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June 6, 2017

Robyn Blair, Chair Board of Health City of Newburyport 60 Pleasant Street Newburyport MA 01950

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

RE: Evergreen Commons LLC ("Applicant") / Soil Testing

Dear Chairmen and Members of the Boards;

Reference is made to the above captioned matter and the condition located at the third bullet on page 10 of the Special Permit issued to the Applicant on March 15, 2017. In that connection, while the Applicant was not required to undertake the soil testing until prior to construction, in order to make the remainder of the permitting process more efficient and informed, the Applicant undertook the soil testing in accordance with the condition noted. The Department of Public Services was notified of the testing and they sent their peer review representative, Joel Meunier, from AECOM to observe and oversee the soil sampling.

I am attaching for your review and information the following:

- 1. Letter dated June 5, 2017 from Jay Billings of Northeast Geoscience, Inc. including the soil sample test results; and
- 2. A report by EnviroRisk Solutions, LLC dated June 1, 2017 along with the underlying sampling and sampling report by Northeast Geoscience, Inc.

You will see from the EnviroRisk Solutions report that there were trace amounts of various approved herbicides, pesticides and fungicides all relative to lawn care maintenance and all allowed under the controlling special permit for the current use that is the golf course. You will also see that EnviroRisk Solutions, LLC found that "The potential health risks associated with exposure to golf course soil containing these low concentrations of herbicides, pesticides/insecticides, and fungicides were found to be negligible......Based on this risk characterization, a condition of No Significant Risk of harm to human health exists for potential exposures to soil that may occur on the golf course."

We look forward to discussing the definitive subdivision filing with you.

Respectfully submitted, Evergreen Commons LLC

by their attorney,

Lisa L. Mead

cc: Anthony Furnari, Director DPS

Joel Meunier, AECOM

Client



Water Supply and Environmental Consulting

June 5, 2017

Mr. Chip Hall Cottage Advisors, LLC 454 Post Road Wells, ME 04080

Re:

Evergreen Commons OSRD

Newburyport, MA

Dear Mr. Hall:

Northeast Geoscience, Inc. (NGI) is writing to provide the results of baseline soil testing conducted at the Evergreen Valley Golf Course in Newburyport, MA. The golf course is located on a 36.4 acre parcel that is currently the site of a proposed 38 lot Open Space Residential Development (OSRD). The site is located approximately 750 feet southwest of the City of Newburyport Well No. 2. Well No. 2 is a 24-inch diameter gravel packed well installed in 1957 to a depth of 52.8 feet below ground surface and is approved to pump at a flow rate of 408 gallons per minute (gpm). During the review of the proposed OSRD by the City of Newburyport Planning Board, concerns have been raised about potential water quality impacts on Well No. 2 from turf management practices at the golf course.

On December 21, 2016 representatives of AECOM collected two groundwater samples from 2 ½-inch diameter test wells B-4 and B-6 located on the City of Newburyport property around Well No. 2. See Figure 1 for well locations. The samples were analyzed by Environmental Micro Analysis, Inc. of Woodward, CA using the following analytical methods (FDA Import GC/MS/MS, FDA Import LC/MS/MS, EBDC Screen and EPA Method 8151A). The lab reported results for 758 compounds that include herbicides, pesticides, insecticides, fungicides and other organic compounds. No compounds were detected in either of the samples collected.

On March 21, 2017 NGI collected surface soil samples at eight locations in accordance with a soil testing plan prepared by AECOM and relayed in an e-mail to the City dated 11/8/2016. Soil sample locations are shown on Figure 1. Mr. Joel Meunier of AECOM was on site to observe the soil sample collection activities. Two sample locations were on fairways, two on tee boxes, two on greens and two samples of sediments from shallow ponds on site were collected. Samples were collected from just below the root zone of the grass at depths of less than 6-inches with a stainless steel spoon and were placed directly into sample containers provided by the laboratory. Sampling equipment was decontaminated in the field between samples.

The soil samples were submitted to Environmental Micro Analysis for analysis using the same list of analytical methods and compounds that AECOM requested for the water samples collected in December. Each sample was analyzed for 758 compounds including herbicides, pesticides, insecticides, fungicides and other organic compounds.

Soil Sample Laboratory Results

The laboratory reported results for 758 compounds for each soil sample submitted and the results are summarized on Table 1. A total of 16 different compounds were detected in at least one of the soil samples. Four of the 16 reported compounds were known to have been purchased by the golf course owners since September 3, 2014 for turf management. Eleven of the twelve remaining compounds are either products or breakdown products of common turf management chemicals and are interpreted to be a result of past golf course maintenance practices. One compound (DDE-p,p') is a breakdown product of DDT which was historically used for mosquito control and agricultural use but was banned in the United States in 1972.

No compounds were detected in the two samples collected from fairways. One compound was detected in one of the two samples collected from tee boxes. One compound was detected in each of the samples of sediment from the ponds on site. The two samples from the greens had eight compounds detected (S-7) and 13 compounds detected (S-3). The distribution of compounds detected indicates higher application rates of turf management chemicals on greens and relatively light turf management chemical use on the rest of the golf course. The total area of the nine greens on the site is approximately 41,133 ft², or 0.94 acres. This represents approximately 2.6% of the 36.4 acre parcel.

Detected Concentrations and Regulatory Standards

The presence of the detected compounds at these locations at the golf course does not constitute a reportable condition under the Massachusetts Contingency Plan (310 CMR 40.0317(8(c))). Many of the compounds included in the laboratory analytical methods selected do not have risk based regulatory standards. The Massachusetts Contingency Plan (310 CMR 40.000) includes S-1 Reportable Concentrations for residential exposure scenarios for three of the 16 compounds detected including DDE-p,p', pentachlorobenzene and chloropyrifos. These standards are presented on Table 1 and although they are not applicable to this situation, they are helpful for reference. Detected concentrations of these compounds are much lower (less than 1%) of the applicable S-1 standards. Detected concentrations of the other 13 compounds are also very low with the highest reported value of 0.21 mg/kg (parts per million).

NGI contracted EnviroRisk Solutions, LLC to evaluate the risk posed by the concentrations of specific compounds detected during the soil testing program. The results of this analysis are presented in a letter dated June 1, 2017. The conclusion of the analysis is as follows: "Based on this risk characterization, a condition of No Significant Risk of harm to human health exists for potential exposures to soil that may occur on the golf course."

Conclusions and Recommendations

NGI concludes that 15 turf management products and a breakdown product of DDT are present in soil on the golf course. Detected concentrations are low and below applicable standards where available. The majority of the compounds detected (13 out of 16) were in samples collected from greens where turf management practices are focused. Greens occupy 2.6% of the area of the golf course suggesting that this is an isolated condition.

Please do not hesitate to contact me with any further questions.

Sincerely:

NORTHEAST GEOSCIENCE, INC.

Jay Billings

Hydrogeologist

Table 1 Evergreen Golf Course Soil Sample Laboratory Results - Newburyport, MA

Sample ID	Compound Reported	Conc. (mg/kg)	Location	RL (mg/kg)	RC.S-1 Standard	CAS Number	Use
S-1	Prodiamine	0.03	Tee	0.03	NCS	29091-21-2	Pre-emergent pesticide for crabgrass control
S-2	No Compounds Detected	ND	Fairway	NA	NA	NA	NA
S-3	DDE-p,p'	0.03	Green	0.01	9	72-55-9	Breakdown product of DDT
	Iprodione	0.12	Green	0.03	NCS	36734-19-7	Fungicide
	Pentachloroaniline	0.21	Green	0.01	NCS	527-20-8	Pesticide
	Pentachlorothioanisole	0.04	Green	0.01	NCS	1825-19-0	Breakdown product of Pentachloronitrobenzene - a fungicide
	Pentachlorobenzene	90.0	Green	0.01	. 20	608-93-5	By product of manufacturing Pentachlornitrobenzene
	Carbendazim	0.01	Green	0.01	NCS	10605-21-7	Fungicide used on golf greens
	Chlorantraniliprole	0.02	Green	0.01	NCS	500008-45-7	Insecticide
	Metalaxyl	0.04	Green	0.01	NCS	57837-19-1	Fungicide
	Myclobutanil	0.05	Green	0.01	NCS	88671-89-0	Fungicide
	Propiconazole	0.04	Green	0.01	NCS	60207-90-1	Fungicide
	Tebuconazole	60.0	Green	0.01	NCS	80443-41-0	Fungicide
	Triadimefon	0.01	Green	0.01	NCS	43121-43-3	Fungicide
	Triadimenol	60.0	Green	0.01	NCS	55219-65-3	Fungicide
	Chloropyrifos	0.03	Green	0.02	10	2921-88-2	Insecticide
S-4	Bensulide	0.02	Sediment	0.01	NCS	741-58-2	Herbicide for crabgrass control
							-
S-5	Carbendazim	0.01	Sediment	0.01	NCS	10605-21-7	Fungicide used on golf greens
			,	:		4	V. 1
9-S	No Compounds Detected	QN	ee	NA	NA	NA	NA NA
5-7	Pentachloraniline	0.07	Green	0.01	NCS	527-20-8	Pesticide
	Pentachlorothioanizole	0.01	Green	0.01	NCS	1825-19-0	Breakdown product of Pentachloronitrobenzene - a fungicide
	Pentachlorobenzene	0.07	Green	0.01	20	608-93-5	By product of manufacturing Pentachlornitrobenzene
	Chlorantraniliprole	0.01	Green	0.01	NCS	500008-45-7	Insecticide
	Imacloprid	0.01	Green	0.01	NCS	138261-41-3	Insecticide
	Propiconazole	0.02	Green	0.01	NCS	60207-90-1	Fungicide
	Tebuconazole	0.03	Green	0.01	NCS	80443-41-0	Fungicide
	Triadimenol	0.03	Green	0.01	NCS	55219-65-3	Fungicide
8-95	No compounds detected	ND	Fairway	NA	NA	NA	NA

Purchased since 9/3/2014
NCS - No concentration Set
NA - Not Applicable
ND - None Detected
RL - Reporting Limit



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June 1, 2017

Marie Rudiman EnviroRisk Solutions, LLC 121 Kirkland Dr. Stow, MA 01775 (978) 793-2798 mguiles@gmail.com

Attn: Mr. Jay Billings Northeast Geoscience, Inc. 97 Walnut Street Clinton, MA 01510 Electronic submittal

Re: Review of Residual Herbicides and Pesticides in Soil

Evergreen Golf Course Newburyport, MA

Dear Mr. Billings:

This letter presents a review of residual herbicides, pesticides, and fungicides detected in soil collected from the Evergreen Golf Course in Newburyport, Massachusetts to Northeast Geoscience, Inc. As indicated below, the detected constituents in soil included herbicides, pesticides/insecticides, and fungicides that are at concentrations consistent with concentrations typically observed with proper application of herbicides, pesticides, and fungicides for lawn maintenance. The detected concentrations of constituents in soil are well below reportable concentrations in soil and were determined to cause No Significant Risk (NSR) to human health to a hypothetical on-Site residential receptor, which is considered the most highly exposed potential receptor. Calculated risks to the residential receptor are protective of other lesser exposed receptors such as employees, visitors to the golf course, trespassers, and construction/utility workers that may potentially be exposed to golf course soil. Therefore, a conditions of NSR to human health exists for these lesser exposed receptors as well. The potential health risks associated with exposure to golf course soil containing these low concentrations of herbicides, pesticides/insecticides, and fungicides was found to be negligible.

Summary of Soil

Soil analytical data representing residual concentrations of detected constituents is presented on Table 1. Table 1 also indicates whether the detected constituent is an herbicide, pesticide/insecticide, fungicide or a breakdown product thereof. The detected concentrations of constituents are consistent with the concentrations of herbicide, pesticide/insecticide, and fungicide that would typically be found in soil with proper current and historic application of these products for lawn maintenance.

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The detected concentrations of constituents were well below available MassDEP Reportable Concentrations (RCs) for soil. The sum of all detected concentrations of constituents from all soil collected from the golf course in total was 1.2 mg/kg, which is a very low concentration of total herbicide/pesticide/fungicide in a lawn. However, since RCs were not available all detected constituents, the herbicides/pesticides/fungicides were further evaluated in a site-specific Risk Characterization.

In a site-specific risk characterization, detected concentrations of constituents are evaluated by determining the potential for a selected receptor to be exposed to constituents in soil and estimating the potential health risks for that receptor using the following basic equation:

Risk = Detected Concentration x Exposure x Toxicity

Exposure Point Concentration

Maximum detected concentrations of each constituent were used to represent the exposure point concentrations (EPCs) for exposure to constituents in soil. As described further below, the maximum detected concentrations of pentachloroaniline and pentachlorothioanisole were summed to represent the EPC for pentachloronitrobenzene which was used as a surrogate compound for pentachloroaniline and pentachlorothioanisole. This was done because there are no toxicity values available for pentachloroaniline or pentachlorothioanisole. The use of pentachloronitrobenzene as a surrogate compound is applicable because all three constituents are similar in structure and pentachloroaniline and pentachlorothioanisole are breakdown products of pentachloronitrobenzene.

Exposure Assessment Summary

To conservatively estimate potential health risks from soil exposure, the most highly exposed receptor was selected. For this evaluation, a resident was assumed to reside on the golf course and be exposed to soil via ingestion and dermal contact.

On-Site residential exposure to soil via dermal contact and incidental ingestion was calculated assuming that residents would encounter soil 5 days per week over a period of 30 weeks per year for 30 years. The exposure assumptions for a resident are equivalent to the MassDEP default values published in MassDEP Short Form worksheets (MassDEP, 2012 with March 2015 updates). The ingestion rate is assumed to be 100 mg/day soil for young children and 50 mg/day soil for older children and adults. Surface area was based on exposure to face, forearms, lower legs, and feet. These exposure assumptions are presented in Table RS-3, RS-4, and RS-5 for potential lifetime, chronic, and subchronic exposure periods, respectively, in Attachment A. These conservative assumptions likely over estimate any actual exposures to soil at the golf course.

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Dose-Response Assessment/Toxicity Values

The purpose of the Dose-Response Assessment was to identify the relationship between the magnitude of constituents to which receptors may be exposed (dose) and the likelihood of an adverse health effect (response). Both noncarcinogenic (i.e., threshold) and carcinogenic (i.e., non-threshold) health effects were considered in the Dose-Response Assessment.

Table RS-6 in Attachment A provides a summary of toxicity values used in this evaluation. Toxicity values were available from USEPA for most of the detected available for pentachloroaniline constituents. There was no toxicity these constituents are breakdown products for pentachlorothioanisole. Since pentachloronitrobenzene, the toxicity data that is available for this compound was used to pentachloroaniline health risks associated with potential pentachlorothioanisole. The maximum detected concentrations of pentachloroaniline and pentachlorothioanisole were summed to represent the EPC for pentachloronitrobenzene as a surrogate compound.

Toxicity values for metalaxyl, triadimefon, and chloropyrifos are Regional Screening Levels (RSLs). These values were derived by regional EPA or state environmental offices and were used if a federal toxicity values were not yet promulgated for that compound. While there are not USEPA or RSL toxicity values available for prodiamine, the available toxicity studies for this constituent were reviewed. It was determined that a conservative value that could be used as the basis for a Reference Dose was a Lowest Observable Adverse Effect Level (LOAEL) from a rat study where rats were exposed to prodiamine orally. Conservative uncertainty factors totaling 1000 were applied to this LOAEL to calculate a toxicity value of 3.7 x 10⁻² mg/kg-day for prodiamine. Through use of available toxicity data, all detected herbicide/pesticide/fungicide were evaluated in this risk characterization.

Risk Calculations

Hypothetical on-Site residents living on-Site are the most highly exposed receptor and were assumed to be exposed to soil from the Site using the maximum detected concentrations as EPCs. The MADEP Shortform (2012 with updates March 2015) for residential exposure to soil was used to evaluate residential exposures to soil via dermal contact and incidential ingestion. The Shortform included standard exposure assumptions promulgated by MADEP. Refer to Attachment A for the risk calculations for the resident receptors. Actual potential exposures to actual receptors (employees of the golf course, visitors to the golf course, trespassers, and construction/utility workers) are expected to be less than the residential exposures assumed.

Calculated Human Health Risks

Potential residential human health risks from exposure to soil were calculated. As shown in the Table below, estimated health risks did not exceed MADEP's target HIs of 1 or ELCR of 1x10⁻⁵ based on residential exposures to soil. In fact, when the estimated health risks are at least an order of magnitude less than MassDEP screening limits, as is the case

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here, the potential health risks are consider negligible. Based on this risk characterization, a condition of No Significant Risk of harm to human health exists for potential exposures to soil that may occur on the golf course.

Estimated Risks for Residential Exposure to Soil

Residential Exposure	Excess Lifetime	Subchronic Hazard	Subchronic Hazard
to Soil	Cancer Risk	Index (HI)	Index (HI)
	(ELCR)		
Maximum Soil Conc.	4E-8	0.001	0.003
MassDEP Screening	1E-5	1	1
Limits			
Exceed Risk Limit?	No	No	No

If there are any questions or concerns regarding the results of this Review, please call me at 978-793-2798 or email at mguiles@gmail.com. I appreciate the opportunity to work with you on this project.

Sincerely,

Marie Rudiman

EnviroRisk Solutions, LLC

Marie Ludiman

President/Senior Risk Assessor/Toxicologist

Attached:

Table 1 Evergreen Golf Course Soil Sample Detections

Attachment A: Risk Tables (includes Tables RS-1 through RS-6)

References:

Fluoride Action Network Pesticide Project (FANPP), Adverse Effects Prodiamine. http://www.fluoridealert.org/wp-content/pesticides/epage.prodiamine.htm. [Accessed 4-26-16]

Kegley, S.E., Hill, B.R., Orme S., Choi A.H., *PAN Pesticide Database*, Pesticide Action Network, North America (Oakland, CA, 2014), http://www.pesticideinfo.org/Detail Chemical.jsp?Rec Id=PC37523

TruGreen, LP, (2007). Pesticide Fact Sheet, Prodiamine. http://www.hanoverschools.org/facilities/pdf/factsheet/Prodiamine.pdf.

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USEPA, (2017). EPA Dashboard, https://comptox.epa.gov/dashboard, May.

Table 1 **Evergreen Golf Course Soil Sample Detections** Newburyport, MA (all concentrations in mg/kg)

Soil Sample ID S-1 (1 compound detected)	Conc. (mg/kg)	Location	RL (mg/kg)	RC S-1 Standard	CAS Number	Use
Prodiamine	0.03	Tee	0.03	NCS	29091-21-2	Pre-emergent pesticide for crabgrass control
S-2						
No Compounds Detected	ND	Fairway	NA	NA	NA	NA
S-3 (15 compounds detected)			•			
DDE-p,p'	0.03	Green	0.01	6	72-55-9	Breakdown product of DDT
DDT-p,p'	0.01	Green	0.03	6	50-29-3	insecticide
Iprodione	0.12	Green	0.03	NCS	36734-19-7	Fungicide
Pentachloroaniline	0.21	Green	0.01	NCS	527-20-8	Pesticide
Pentachlorothioanisole	0.04	Green	0.01	NCS	1825-19-0	Breakdown product of Pentachloronitrobenzene - a fungicide
Pentachlorobenzene	0.06	Green	0.01	50	608-93-5	By product of manufacturing Pentachloronitrobenzene
Carbendazim	0.01	Green	0.01	NCS	10605-21-7	Fungicide used on golf greens
Chlorantraniliprole	0.02	Green	0.01	NCS	500008-45-7	Insecticide
Metalaxyl	0.04	Green	0.01	NCS	57837-19-1	Fungicide
Myclobutanil	0.05	Green	0.01	NCS	88671-89-0	Fungicide
Propiconazole	0.04	Green	0.01	NCS	60207-90-1	Fungicide
Tebuconazole	0.09	Green	0.01	NCS	80443-41-0	Fungicide
Triadimefon	0.01	Green	0.01	NCS	43121-43-3	Fungicide
Triadimenol	0.09	Green	0.01	NCS	55219-65-3	Fungicide
Chloropyrifos	0.03	Green	0.02	NCS	2921-88-2	Insecticide
S-4 (1 Compound Detected) Bensulide S-5 (2 Compounds Detected)	0.02	Sediment	0.01	NCS	741-58-2	Herbicide for crabgrass control
Iprodione	0.02	Sediment	0.03	NCS	36734-19-7	Fungicide
Carbendazim	0.01	Sediment	0.01	NCS	10605-21-7	Fungicide used on golf greens
S-6						
No Compounds Detected	ND	Tee	NA	NA	NA	NA
S-7 (9 Compounds Detected)	-					
Iprodione	0.01	Green	0.03	NCS	36734-19-7	Fungicide
Pentachloraniline	0.07	Green	0.01	NCS	527-20-8	Pesticide
Pentachlorothioanizole	0.01	Green	0.01	NCS	1825-19-0	Breakdown product of Pentachloronitrobenzene - a fungicide
Pentachlorobenzene	0.07	Green	0.01	NCS	608-93-5	By product of manufacturing Pentachlornitrobenzene
Chlorantraniliprole	0.01	Green	0.01	NCS	500008-45-7	Insecticide
Imidacloprid	0.01	Green	0.01	NCS	138261-41-3	Insecticide
Propiconazole	0.02	Green	0.01	NCS	60207-90-1	Fungicide
Tebuconazole	0.03	Green	0.01	NCS	80443-41-0	Fungicide
Triadimenol	0.03	Green	0.01	NCS	55219-65-3	Fungicide
SG-8						
No compounds detected	ND	Fairway	NA	NA	NA	NA
	•					

Purchased since 9/3/2014
NCS - No concentration Set

NA - Not Applicable ND - None Detected

,			

Attachment A

Risk Calculation Spreadsheets, Exposure and Risk Estimates Associated with Exposure,
On-Site Resident

,		

Exposure Point Concentration (EPC) Based on Resident Ages 1-31 (Cancer) Resident - Soil: Table RS-1

Do not insert or delete any rows

4.1E-08

ELCR (all chemicals) =

ELCRtotal

1.7E-09 2.6E-09

1.2E-11

5.0E-09

Click on empty cell below and select OHM using arrow.

Derm & Ing **ELCR**dermal 4.0E-10 6.1E-10 2.8E-12 1.2E-09 3.4E-01 2.4E-03 2.6E-01 Toxicity 4.4E-02 Exposure 8.1E-09 1.0E-08 1.2E-09 3.5E-09 2.3E-09 1.2E-09 1.2E-09 2.3E-09 4.7E-09 5.8E-09 4.7E-09 3.5E-09 1.4E-08 1.0E-08 Dermal ELCRingestion 1.3E-09 3.8E-09 8.9E-12 2.4E-08 2.0E-09 3.4E-01 2.4E-03 2.6E-01 4.4E-02 Toxicity 3.4E-01 Exposure Ingestion 4.5E-08 3.7E-09 7.5E-09 1.5E-08 1.9E-08 1.5E-08 1.1E-08 7.5E-09 1.1E-08 9.4E-08 3.7E-09 2.6E-08 3.4E-08 3.7E-09 3.4E-08 3.7E-09 1.1E-08 (mg/kg) 0.05 0.09 0.09 0.03 0.01 0.12 0.07 0.01 0.02 0.04 0.04 0.01 0.03 0.02 Pentachloronitrobenzene Hazardous Material Pentachlorobenzene Chlorantraniliprole Propiconazole **Tebuconazole** Carbendazim Chloropyrifos Myclobutanil midacloprid Triadimefon Triadimenol Prodiamine Metalaxyl Bensulide prodione DDE-p,p' DDT-p,p'

		•	

Resident - Soil: Table RS-2
Exposure Point Concentration (EPC)
Based on Resident Ages 1-8 (Chronic Noncancer), and 1-2 (Subchronic Noncancer)

Chronic HI (all chemicals) = 1.0E-03 Subchronic HI (all chemicals) = 2.6E-03

Do not insert or delete any rows Click on empty cell below and select OHM using arrow.

Oil or	EPC			Chro	nic			erm & Ing			Subchr	onic	Co. Market Co.		Derm & Ing
Hazardous Material	(mg/kg)	Exposureing	Toxicity	HQing	Exposuredc	Toxicity	HQderm	HQtotal	Exposureing	Toxicity	HQing	Exposuredc	Toxicity	HQderm	HQtotal
Prodiamine	0.03	7.3E-08	3.7E-02	2.0E-06	1.9E-08	3.7E-02	5.0E-07	2.5E-06	2.0E-07	3.7E-02	5.4E-06	3.5E-08	3.7E-02	9.5E-07	6.4E-06
DDE-p,p'	0.03	7.3E-08	5.0E-04	1.5E-04	1.9E-08	5.0E-04	3.7E-05	1.8E-04	2.0E-07	5.0E-04	4.0E-04	3.5E-08	5.0E-04	7.0E-05	4.7E-04
'p',p'	0.01	2.4E-08	5.0E-04	4.8E-05	6.2E-09	5.0E-04	1.2E-05	6.1E-05	6.7E-08	5.0E-04	1.3E-04	1.2E-08	5.0E-04	2.3E-05	1.6E-04
Iprodione	0.12	2.9E-07	2.0E-02	1.5E-05	7.4E-08	2.0E-02	3.7E-06	1.8E-05	8.0E-07	2.0E-02	4.0E-05	1.4E-07	2.0E-02	7.0E-06	4.7E-05
Pentachlorobenzene	0.07	1.7E-07	8.0E-04	2.1E-04	4.3E-08	8.0E-04	5.4E-05	2.7E-04	4.7E-07	8.0E-04	5.8E-04	8.2E-08	8.0E-04	1.0E-04	6.9E-04
Carbendazim	0.01	2.4E-08	2.5E-02	9.7E-07	6.2E-09	2.5E-02	2.5E-07	1.2E-06	6.7E-08	2.5E-02	2.7E-06	1.2E-08	2.5E-02	4.7E-07	3.1E-06
Chlorantraniliprole	0.02	4.8E-08	1.6E+00	3.1E-08	1.2E-08	1.6E+00	7.8E-09	3.9E-08	1.3E-07	1.6E+00	8.4E-08	2.3E-08	1.6E+00	1.5E-08	9.9E-08
Metalaxyl	0.04	9.7E-08	6.0E-02	1.6E-06	2.5E-08	6.0E-02	4.1E-07	2.0E-06	2.7E-07	6.0E-02	4.4E-06	4.7E-08	6.0E-02	7.8E-07	5.2E-06
Myclobutanil	0.05	1.2E-07	2.5E-02	4.8E-06	3.1E-08	2.5E-02	1.2E-06	6.1E-06	3.3E-07	2.5E-02	1.3E-05	5.9E-08	2.5E-02	2.3E-06	1.6E-05
Propiconazole	0.04	9.7E-08	1.3E-02	7.5E-06	2.5E-08	1.3E-02	1.9E-06	9.4E-06	2.7E-07	1.3E-02	2.1E-05	4.7E-08	1.3E-02	3.6E-06	2.4E-05
Tebuconazole	0.00	2.2E-07	2.9E-02	7.5E-06	5.6E-08	2.9E-02	1.9E-06	9.4E-06	6.0E-07	2.9E-02	2.1E-05	1.1E-07	2.9E-02	3.6E-06	2.4E-05
Triadimefon	0.01	2.4E-08	3.0E-02	8.1E-07	6.2E-09	3.0E-02	2.1E-07	1.0E-06	6.7E-08	3.0E-02	2.2E-06	1.2E-08	3.0E-02	3.9E-07	2.6E-06
Triadimenol	60.0	2.2E-07	3.4E-03	6.4E-05	5.6E-08	3.4E-03	1.6E-05	8.1E-05	6.0E-07	3.4E-03	1.8E-04	1.1E-07	3.4E-03	3.1E-05	2.1E-04
Chloropyrifos	0.03	7.3E-08	1.0E-03	7.3E-05	1.9E-08	1.0E-03	1.9E-05	9.1E-05	2.0E-07	1.0E-03	2.0E-04	3.5E-08	1.0E-03	3.5E-05	2.4E-04
Bensulide	0.02	4.8E-08	5.0E-03	9.7E-06	1.2E-08	5.0E-03	2.5E-06	1.2E-05	1.3E-07	5.0E-03	2.7E-05	2.3E-08	5.0E-03	4.7E-06	3.1E-05
Imidacloprid	0.01	2.4E-08	5.7E-02	4.3E-07	6.2E-09	5.7E-02	1.1E-07	5.3E-07	6.7E-08	5.7E-02	1.2E-06	1.2E-08	5.7E-02	2.1E-07	1.4E-06
Pentachloronitrobenzene	0.25	6.1E-07	3.0E-03	2.0E-04	1.5E-07	3.0E-03	5.2E-05	2.5E-04	1.7E-06	3.0E-03	5.6E-04	2.9E-07	3.0E-03	9.8E-05	6.5E-04



Equations to Calculate Cancer Risk for Resident (Age 1-31 years) Resident - Soil: Table RS-3

Cancer Risk Irom Ingestion
ELCR _{ing} = LADD _{ing(1-31)} * CSF
$LADD_{ling (1:31)} = LADD_{ling (1:8)} + LADD_{ling (8:15)} + LADD_{ling (15:31)}$
LADD _{ing (age group x)} =[OHM] _{soil} * IR _x * RAF _{c-lig} * EF _{lig} * ED * EP _x * C

	CSF
Cancer Risk from Ingestion	LADD
ELCR _{ing} = LADD _{ing(1-31)} * CSF	IR ₍₁₋₈₎
$LADD_{lng (1.31)} = LADD_{lng (1.8)} + LADD_{lng (8.15)} + LADD_{lng (15.31)}$	IR ₍₁₆₋₃₁₎
$LADD_lng\ (age\ group\ x) = \frac{IOHMJ_Soll \ ^*\ IR_x \ ^*\ RAF_C.ing \ ^*\ EF_ing \ ^*\ ED \ ^*\ C}{BW_x \ ^*\ APireline}$	RAF c-derm
	EFing, dem
Cancer Risk from Dermal Absorption	(
ELCR _{dem} = LADD _{dem} * CSF	
LADD _{derm (1-31)} = LADD _{derm (1-8)} + LADD _{derm (8-15)} + LADD _{derm (15-31)}	EP ₍₁₆₋₃₁₎
$LADD_{derm(age\ group\ x)} = \frac{[OHM]_{soil} * SA_{x} * RAF_{cderm} * SAF_{x} * EF_{derm} * ED * EP_{x} * C}{BW_{x} * AP_{lifetime}}$	BW ₍₁₋₈₎ BW ₍₈₋₁₅₎

-										7850		1000	e at the t	A STATE OF THE PARTY OF
Units	(mg/kg-day) ⁻¹ mg/kg-day mg/kg	mg/day mg/day	dimensionless	event/day	day/event years years	years kg/mg	D D	kg	years cm²/day	cm ² / day	cm²/day	mg/cm ²	mg/cm ²	mg/cm-
Value	OHM specific age/OHM specific OHM specific	00T 03 PE	OHM specific OHM specific	0.412		16 0.000001	17.0	58.7	70 2431	4427	5653	0.35	0.14	0.13
Parameter	CSF LADD [OHM]soil	IR ₍₁₋₈₎ IR ₍₈₋₁₅₎	RAF _{c-derm}	EFing.dem	ED EP ₍₁₋₈₎ EP ₍₈₋₁₅₎	EP ₍₁₅₋₃₁₎ C	BW ₍₁₋₈₎ BW ₍₈₋₁₅₎	BW ₍₁₅₋₃₁₎	AP (lifetime) SA(1-8)	SA ₍₈₋₁₅₎	SA(15-31)	SAF ₍₁₋₈₎	SAF ₍₈₋₁₅₎	SAF ₍₁₅₋₃₁₎
N. F.	1 -1 -1 -1		× 2 3 3 3					1						

3 of 6

Equations to Calculate Chronic Noncancer Risk for Resident Child (Age 1-8 years) Resident - Soil: Table RS-4

	Chronic Noncancer Risk from ingestion $HQ_{ing} = \frac{ADD_{ing}}{RfD}$ COHMI* IR *RAF* E	ADD _{ing} RfD IOHMI* IR * RAF_C_ing * EF * C
--	--	---

Chronic Noncancer Risk from Dermal Absorption	ADD _{ing.derm} RfD	[OHM] _{soil} * SA * RAF _{nc-derm} * SAF * EF _{derm} * ED * EP * C BW * AP
Chronic Nonc	HQ _{dem} =	ADD _{derm} =

Units	mg/kg-day mg/kg-day mg/kg mg/day	dimensionless	event/day	day/event years	kg/mg kg year	cm² / day mg/cm²	
Value	OHM specific OHM specific OHM specific 100	OHM specific OHM specific	0.412	7	0.000001 17.0 7	2431	
Parameter	RfD ADD [OHM]soil IR	RAF _{nc-ing} RAF _{nc-dem}	EF _{ing,derm}	8 6	c BW AP	SAF	

Resident - Soil: Table RS-5 Equations to Calculate Subchronic Noncancer Risk for Resident Child (Age 1-2 years)

Subchronic Noncancer Risk from Ingestion	HQ _{ing} = ADD _{ing} RfD _{subchronic}	ADD _{ing} = [OHM] _{Soll} * IR * RAF _{nc-ing} * EF _{ing} * ED * EP * C RM * 4 P
Subchr	I	AD

Subchronic Noncancer Risk from Dermal Absorption	HQ _{derm} = ADD _{derm} RfD _{subehronic}	ADD _{dem} = [OHM] _{soil} * SA * RAF _{nc-dem} * SAF * EF _{dem} * ED * EP * C RW * AP
--	--	--

Units	mg/kg-day	mg/kg	mg/day	dimensionless	dimensionless	event/day	day/event	years	kg/mg kg	year	cm² / day mg/cm²	A CONTRACTOR OF THE PERSON OF
Value	OHM specific	OHM specific	100	OHM specific	OHM specific	0.714	-	0.577	0.000001	0.577	1670 0.35	
Parameter	RfD	[OHM]soil	≅	RAF _{nc-ing}	RAF _{nc-dem}	EF ing, dem		£	o M	ΑP	SA	

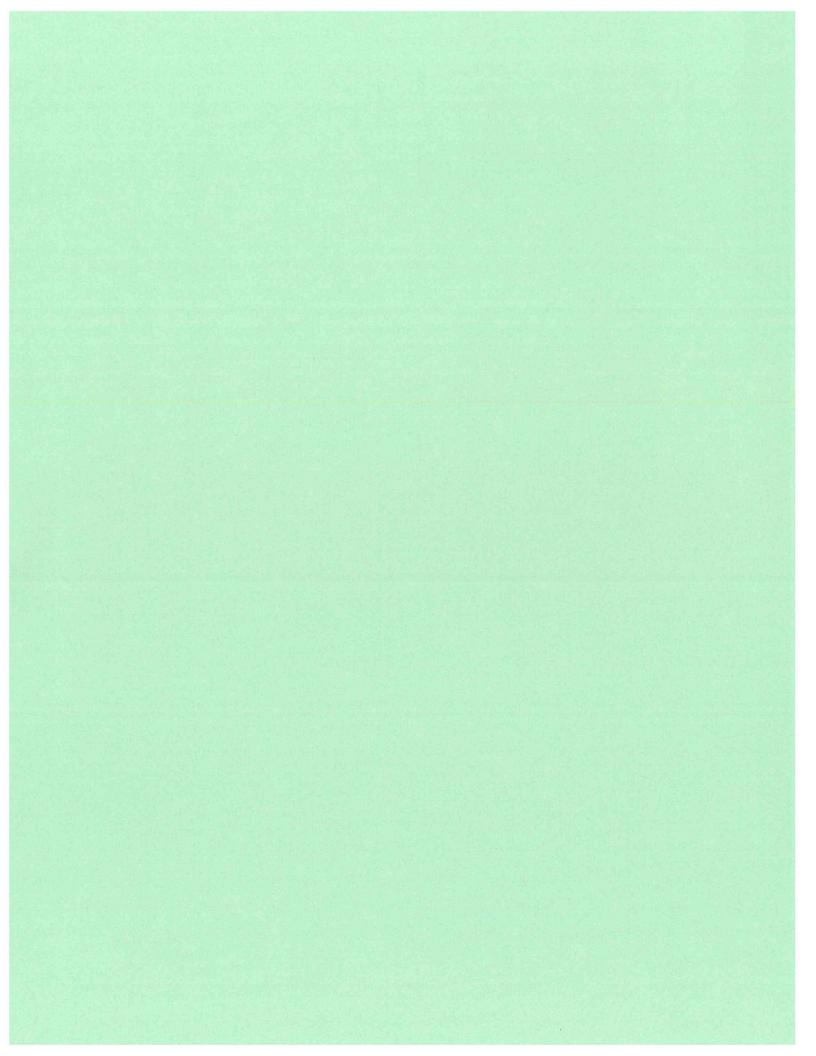
Α		

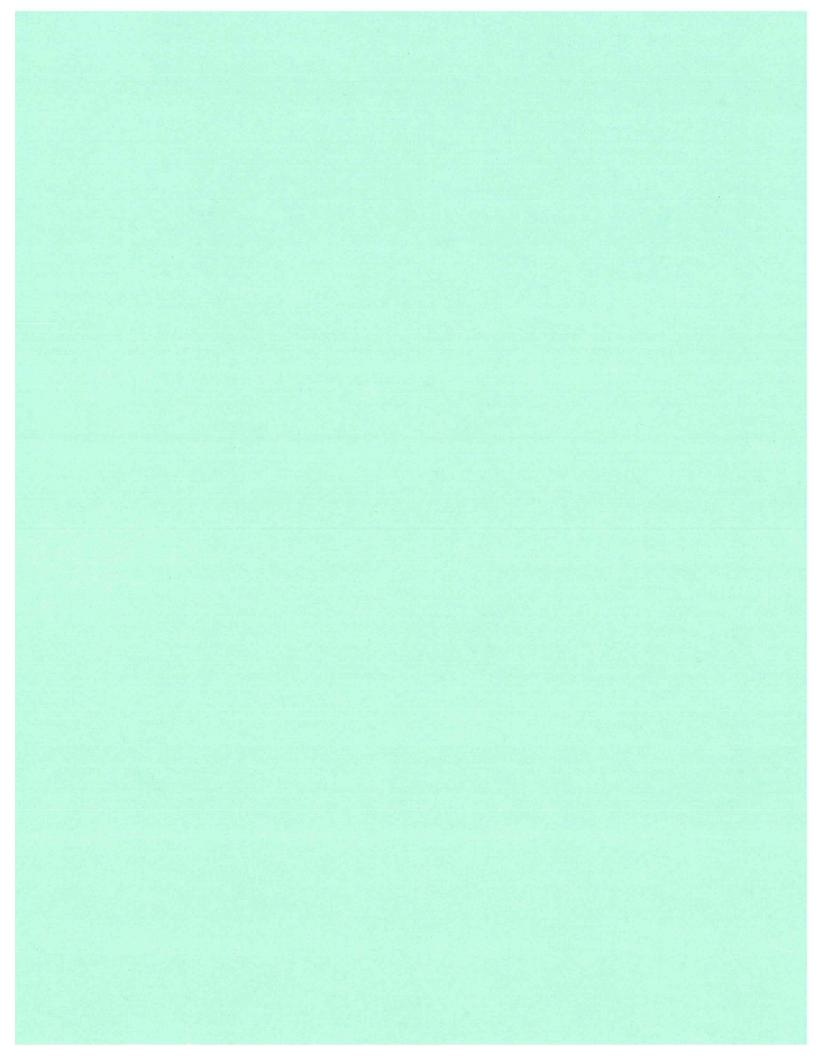
Resident - Soil: Table RS-6 Chemical-Specific Data

Oil or Hazardous Material	CSF (mg/kg-day) ⁻¹	Source	RAFc-ing	RAF _{c-derm}	Chronic RfD mg/kg-day	Source	Subchronic RfD mg/kg-day	Source	Chronic RAF _{nc-ing}	Chronic RAF _{nc-derm}	Subchronic RAF _{nc-ing}	Subchronic RAF _{nc-dem}
Prodiamine			-	0.03	3.7E-02	derived	3.7E-02	derived	-	0.03	1	0.03
DDE-p,p'	3.4E-01	EPA	_	0.03	5.0E-04	EPA	5.0E-04	EPA	-	0.03	-	0.03
'd'd-TOO	3.4E-01	EPA	-	0.03	5.0E-04	EPA	5.0E-04	EPA	Ψ-	0.03	~	0.03
Iprodione	4.4E-02	EPA	-	0.03	2.0E-02	EPA	2.0E-02	EPA	~	0.03	-	0.03
Pentachlorobenzene			-	0.03	8.0E-04	EPA	8.0E-04	EPA	-	0.03	-	0.03
Carbendazim	2.4E-03	EPA	_	0.03	2.5E-02	EPA	2.5E-02	EPA	-	0.03	~	0.03
Chlorantraniliprole			-	0.03	1.6E+00	EPA	1.6E+00	EPA	-	0.03	-	0.03
Metalaxyl			-	0.03	6.0E-02	RSL	6.0E-02	RSL	~	0.03	_	0.03
Myclobutanil			_	0.03	2.5E-02	EPA	2.5E-02	EPA	_	0.03	_	0.03
Propiconazole			_	0.03	1.3E-02	EPA	1.3E-02	EPA	-	0.03	-	0.03
Tebuconazole			_	0.03	2.9E-02	EPA	2.9E-02	EPA	-	0.03	-	0.03
Triadimefon			-	0.03	3.0E-02	RSL	3.0E-02	RSL	-	0.03	_	0.03
Triadimenol			-	0.03	3.4E-03	EPA	3.4E-03	EPA	-	0.03	_	0.03
Chloropyrifos			_	0.03	1.0E-03	RSL	1.0E-03	RSL	-	0.03	-	0.03
Bensulide			τ-	0.03	5.0E-03	EPA	5.0E-03	EPA	-	0.03	-	0.03
Imidacloprid			-	0.03	5.7E-02	EPA	5.7E-02	EPA	-	0.03	-	0.03
Pentachloronitrobenzene	2.6E-01	EPA	-	0.03	3.0E-03	EPA	3.0E-03	EPA		0.03	-	0.03

Source of Toxicology info: EPA Dashboard https://comptox.epa.gov/dashboard. May 2017

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	Analytica April 26, 2017	al Report	Revised	Analyte	Amount ppm	RL ppm
				Acephate	ND	0.030
Client:	Jay Billings			Acetamiprid	ND	0.030
	Northeast Geo	oscience		Acrinathrin	ND	0.010
	97 Walnut Str			Adiisopropylnaphthalene, 2,6- (DIPN,	ND	0.010
	Clinton, MA	774		Alachlor	ND	0.010
				Aldrin	ND	0.010
Phone:	(978) 365-904			Allethrin	ND	0.010
Fax:	(978) 365-937	78		Ametryn	ND	0.010
Email:	jbillings@ngeo.i	net		Aminocarb	ND	0.010
				Atrazine	ND	0.010
				Azinphos-methyl	ND	0.010
				Azoxystrobin	ND	0.010
				Benalaxyl	ND	0.010
				Azoxystrobin	ND	0.010
	Project No:			Bendiocarb	ND	0.010
				Benfluralin	ND	0.010
	PO No:			Benoxacor	ND	0.010
	10110.			BHC-alpha (Benzene	ND	0.010
				The state of the s	ND	0.010
Clic	ent Sample ID:	S-1 (T)		BHC-beta BHC-delta	ND	0.010
Cité	ent Sample ID.	3-1 (1)				0.010
				BHC-gamma (Lindane, gamma HCH)	ND ND	0.010
				Bifenox		
				Bifenthrin	ND	0.010
	Sample Date:	3/21/2017		Bioresmethrin (resmethrin-trans)	ND	0.010
	Sample Date.			Bitertanol I	ND	0.010
EM	IA Sample No:	17032222-01a		Bitertanol II	ND	0.010
-	D	3/22/2017		Boscalid	ND	0.010
L	Date Received:	3/22/2017		Bromacil	ND	0.030
9	Sample Matrix:	Soil		Bromophos-ethyl	ND	0.010
				Bromophos-methyl	ND	0.010
				Bromopropylate	ND	0.010
Δna	lytical Method:	FDA Import GC	/MS/MS A - Cx	Bupirimate	ND	0.010
Alla	iyada memedi			Buprofezin (z-isomer)	ND	0.010
Extra	action Method:	FDA 302		Butachlor	ND	0.010
				Butralin	ND	0.010
Da	ate Extracted:	4/4/2017		Butylate	ND	0.030
				Cadusafos	ND	0.010
Dar	te Completed:	4/5/2017		Captafol	ND	0.010
				Captan	ND	0.030
	Surrogate:			Carbaryl	ND	0.010
				Carbofuran	ND	0.010
Su	ırrogate Level:			Carbophenothion-ethyl	ND	0.010
				Carbophenothion-methyl (methyl	ND	0.010
	Recovery:			Carbosulfan	ND	0.030
				Carboxin	ND	0.010
				Chlorbenzilate	ND	0.010
Comm	ents:			Chlordane-alpha	ND	0.010
				Chlordane-oxy	ND	0.010
				Chlordane-trans (gamma)	ND	0.010
				Chlordimeform	ND	0.010
				Chlorfenapyr	ND	0.010
				Chlorfenvinphos	ND	0.010
				Chlorobenzilate	ND	0.010
				Chloroneb	ND	0.010
				Chlorothalonil	ND	0.030
				Chlorpropham	ND	0.010
				Chlorpyrifos-ethyl	ND	0.010
				Chlorpyrifos-methyl	ND	0.010
R = Reported on	another Screen			Chlorthiophos	ND	0.010
ND = None Deter	cted at the Report	ing Limit (RL)	ital Micro Analysis, Inc. makes	Clomazone	ND	0.010
no claims as to th	ne accuracy of tole	rance numbers.		Coumaphos	ND	0.010
Excess sample a	nd extracts are sto	red for a minimum	of 30 days from the date of	Crotoxyphos	ND	0.010
analytical report. Results relate on Samples are ana	Special storage a ly to items tested. lyzed as received.	rrangements possib	ole.			
	icro Analysis, Inc.	except in full, witho	ut written consent by			
To see the scope		accreditation go to	http://emalab.com/ISO17025.			
pdf						

Date: __04/13/17

Reviewed by:

Joseph a Polario Don Peterson, Laboratory Director

April 26, 2017	-	Analytica	I Report	Revised		Amount	RL
Cilent: Jay Billings	A	pril 26, 2017	-		Analyte	ppm	ppm
Northeast Geoscience Cyanophos ND 0.010 97 Walnut Street Cycloale ND 0.030 0.030 Cycluron MA No 15110 Cycluron ND 0.010 Cyproconazole ND 0.010 Cyproconazole ND 0.010 Cyprocinil					Cyanazine	ND	0.010
97 Walnut Street Cilnton, MA O1510 Cycluron Cycluron Cycluron Cycluron Cycluron Cycluron ND 0.010 Cypermethrin (Total) ND 0.010 Cypermethrin (Total) ND 0.010 Cyprocinal ND 0.010 DDP-0,P' ND 0.030 DDP-0,P' ND 0.030 DDF-0,P' ND 0.030 DDF-0,P' ND 0.030 DDF-0,P' ND 0.030 DDF-0,P' ND 0.030 DEsmethyn ND 0.030 Dialtate I ND 0.030 Dialtat	Client:	Jay Billings			Cyanofenphos	ND	0.010
Clinton MA 01510 Cycluron ND 0.010		Northeast Geo	science		Cyanophos	ND	0.010
Phone: (978) 365-9045		97 Walnut Stre	et		Cycloate	ND	0.030
Phone: (978) 365-9045			27 Table - 1000		Cycluron	ND	0.010
Fax: (978) 365-9378	Dhama	5.			Cyfluthrin (Total)	ND	0.010
Project No:	15.15.1.5.15.15.1				Cyhalothrin (lambda)	ND	0.010
Project No:		Val. 000 0 0 0 00			Cymiazole	ND	0.010
Project No:	Email:	jbillings@ngeo.r	iet		Cypermethrin (Total)	ND	0.010
Project No:					Cyproconazole	0.300	ADVAN MICH
Project No:					Cyprodinil	ND	0.010
Project No:							
Project No:					DDD-o,p'	ND	
PO No: DDE-p,p' ND		Design No.			DDD-p,p'		
PO No:		Project No:			DDE-o,p'	ND	0.010
DDT-p.p' ND 0.030					DDE-p,p'		
Client Sample ID: S-1 (T)		PO No:			DDT-o,p'	ND	0.010
Client Sample ID: S-1 (T)					DDT-p,p'		
Demeton-s-methyl ND 0.030 Desmethyl ND 0.010 Desmethyl ND 0.030 Diallate ND 0.030 Diallate ND 0.010 Diallate ND 0.030 Diallate ND 0.010 Dimethomorph ND 0.010 Dimeth					DEF (Tribufos)		
Desmetryn ND 0.010	Clie	ent Sample ID:	S-1 (T)				
Desmetryn ND 0.010							
Sample Date: 3/21/2017							
Sample Date: 3/21/2017 Diallate II ND 0.010 EMA Sample No: 17032222-01a Diazinon ND 0.010 Date Received: 3/22/2017 Dichlofenthion ND 0.010 Sample Matrix: Soil Dichlofluanid ND 0.030 Analytical Method: FDA Import GC/MS/MS Cy - D Dichloran (Dichloran) ND 0.030 Extraction Method: FDA 302 Dicofol-o,p' ND 0.010 Date Extracted: 4/4/2017 Dicdfol-p,p' (Kelthane) ND 0.010 Date Completed: 4/5/2017 Difenoconazole I ND 0.010 Surrogate: Dimethodicencarb ND 0.010 Surrogate Level: Dimethomorph I ND 0.010 Recovery: Dimethomorph II ND 0.010 Diniconazole ND 0.030 Comments: Dioxactrio ND 0.010 Diphenylamine ND 0.010 Diphenylamine ND 0.010 Diph							
EMA Sample No: 17032222-01a Diazinon ND 0.010		Comple Dates	2/21/2017			Control our	
Diazinon-oxon (diazoxon) ND 0.010		Sample Date:	3/21/2017			1000	
Date Received: 3/22/2017 Dichlofenthion ND 0.010	EM	IA Sample No:	17032222-01a				
Sample Matrix: Soil	_		0/00/0047				6.00
Dichlorobenzonitrile, 2,6- (Dichlobenil) ND 0.030	L	ate Received:	3/22/2017				
Analytical Method: FDA Import GC/MS/MS Cy - D Dichlorvos ND 0.030 Extraction Method: FDA 302 Dichloran (Dichloran) ND 0.010 Date Extracted: 4/4/2017 Dicofol-o,p' (Kelthane) ND 0.010 Date Completed: 4/5/2017 Dieldrin ND 0.010 Surrogate: Dicofol-o,p' (Kelthane) ND 0.010 Surrogate Level: Dimethodencarb ND 0.010 Surrogate Level: Dimethodencarb ND 0.010 Recovery: Dimethodencarb ND 0.010 Dimethodencarb ND 0.010 Dimethoder ND 0.010 Dimethoder ND 0.010 Dimethoder ND 0.010 Dimethomorph I ND 0.010	9	Sample Matrix:	Soil				
Analytical Method: FDA Import GC/MS/MS Cy - D Dichloran (Dichloran) Dicofol-o,p' ND 0.030 0.010 0.010 0.010 Extraction Method: FDA 302 Dicofol-o,p' (Kelthane) Dicorotofos (Dicrotophos) ND 0.010 0.01							
Dicofol-o,p' ND 0.010						115.10.00	
Extraction Method: FDA 302 Dicofol-p,p' (Kelthane) ND 0.010	Ana	Ivtical Method:	FDA Import GO	C/MS/MS Cy - D			
Dicrotofos (Dicrotophos) ND 0.010		,			3A 3 PA 7 PRIN (3 PA 4 PA 7		
Date Extracted: 4/4/2017 Dieldrin ND 0.010	Extra	action Method:	FDA 302				
Diethofencarb ND 0.010			4/4/0047			200	
Date Completed: 4/5/2017 Difenoconazole ND 0.010	D	ate Extracted:	4/4/2017				
Difenoconazole ND	Do	to Completed	A/E/2017			10000000	201 1000000
Surrogate: Dimethachlor Dimethoate ND 0.010 Surrogate Level: Dimethomorph I Dimethomorph I Dimethomorph II ND 0.010 Recovery: Diniconazole ND 0.010 Diniconazole ND 0.030 ND 0.030 Dioxacarb ND 0.030 ND 0.030 Comments: Dioxathion ND 0.010 Diphenamid ND 0.010 ND 0.010 Diphenylamine ND 0.010 ND 0.010 Disulfoton ND 0.010	Da	te completea:	4/5/2017				
Dimethoate ND 0.010		Currente					
Surrogate Level: Dimethomorph I ND 0.010 Dimethomorph II ND 0.010 Recovery: Diniconazole ND 0.010 Dinitramine ND 0.030 Dioxacarb ND 0.030 Comments: Dioxathion ND 0.010 Diphenamid ND 0.010 Diphenylamine ND 0.010 Disulfoton ND 0.010		Surrogate:				000000	
Dimethomorph II	Sı	irrogate I evel:					
Recovery: Diniconazole ND 0.010 Dinitramine ND 0.030 Dioxacarb ND 0.030 Comments: Dioxathion ND 0.010 Diphenamid ND 0.010 Diphenylamine ND 0.010 Disulfoton ND 0.010		oguto Ecvoi.			The state of the s		
Dinitramine		Recovery:			**************************************		
Dioxacarb ND 0.030 Comments: Dioxathion ND 0.010 Diphenamid ND 0.010 Diphenylamine ND 0.010 Disulfoton ND 0.010							
Comments: Dioxathion ND 0.010 Diphenamid ND 0.010 Diphenylamine ND 0.010 Disulfoton ND 0.010						ND	
Diphenamid ND 0.010 Diphenylamine ND 0.010 Disulfoton ND 0.010	Comm	ents:				ND	0.010
Disulfoton ND 0.010	55				Diphenamid	ND	0.010
					Diphenylamine	ND	0.010
Disulfoton Sulfone ND 0.010					Disulfoton	ND	0.010
					Disulfoton Sulfone	ND	0.010

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.
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Woodland, CA 95776

Analytical Report Revised

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

	Analytica	al Report	Revised		Amount	RL
	April 26, 2017			Analyte	ppm	ppm
				Edifenphos	ND	0.010
Client	: Jay Billings			Endosulfan I (alpha Isomer)	ND	0.010
0	Northeast Ge	oscience		Endosulfan II (beta Isomer)	ND	0.010
	97 Walnut Str			Endosulfan Sulfate	ND	0.010
	Clinton, MA			Endrin	ND	0.010
DI.				Endrin Aldehyde	ND	0.030
Phone				EPN	ND	0.010
Fax	W 151 5			Epoxiconazole	ND	0.010
Email	: jbillings@ngeo.	net		Esfenvalerate (Fenvalerate A-alpha)	ND	0.010
				Etaconazole I	ND	0.010
				Ethalfluralin (Sonalan)	ND	0.010
				Ethiofencarb	ND	0.010
				Ethiolate	ND	0.030
	Project No:			Ethion	ND	0.010
	rroject No.			Ethofumesate	ND	0.010
	PO No:			Ethoprophos (Ethoprop)	ND	0.030
	PO NO.			Ethoxyquin	ND	0.030
				Etoxazole	ND	0.010
	lient Sample ID:	S-1 (T)		Etrimfos	ND ND	0.010
	ment sample ib.	0-1(1)		Famoxadone Famphur	ND	0.010
				Fenamidone	ND	0.030
				Fenamiphos (Phenamiphos)	ND	0.010
				Fenamiphos Sulfone	ND	0.010
	Sample Date:	3/21/2017		Fenarimol	ND	0.010
	EMA Comple No.	17032222-01a		Fenazaquin	ND	0.010
	EMA Sample No:	17032222-014	\$	Fenbuconazole	ND	0.010
	Date Received:	3/22/2017		Fenfuram	ND	0.010
	Camala Matrico	Coil		Fenhexamid	ND	0.010
	Sample Matrix:	Soil		Fenitrothion	ND	0.010
				Fenobucarb	ND	0.010
		FDA Import GC	/MS/MS F - H	Fenoxycarb	ND	0.010
Ar	nalytical Method:	1 BA IIIIport Go	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Fenpropathrin	ND	0.010
Ex	traction Method:	FDA 302		Fenpropimorph	ND	0.010
				Fensulfothion	ND	0.010
	Date Extracted:	4/4/2017		Fenthion	ND	0.010
		VIII. CONTRACTOR CONTRACTOR		Fenvalerate II	ND	0.010
	Date Completed:	4/5/2017		Fipronil	ND	0.010
	-			Floricamid	ND	0.010
	Surrogate:			Fluchloralin	ND ND	0.010 0.010
	Currente I evel.			Flucythrinate I Flucythrinate II	ND	0.010
1	Surrogate Level:			Fludioxonil	ND	0.030
	Recovery:			Fluopicolide	ND	0.010
	necovery.			Fluquiniconazole	ND	0.010
				Flurenol-butyl	ND	0.010
Com	ments:			Fluridone	ND	0.010
Com	menes.			Flusilazole	ND	0.010
				Flutolanil	ND	0.010
				Flutriafol	ND	0.010
				Fluvalinate I	ND	0.010
				Folpet	ND	0.010
				Fonofos	ND	0.010
				Fuberidazole	ND	0.030
				Furalaxyl	ND	0.010
				Heptaclor	ND	0.010
				Heptachlor exo-epoxide (Isomer B)	ND	0.010
				Heptenophos	ND	0.010
R = Reported (on another Screen tected at the Report	ing Limit (RL)		Hexachlorobenzene	ND	0.030
Tolerance data	taken from 40 CFR	§ 180. Environmen	ital Micro Analysis, Inc. makes	Hexaconazole	ND	0.010
no claims as to	the accuracy of tole	rance numbers.	ē.	Hexythiazox	ND	0.030
analytical repo	e and extracts are sto rt. Special storage a only to items tested.		of 30 days from the date of ole.			
Samples are a	nalyzed as received.	aveant in full mile-	ut written concert by			
Heports should Environmental	I not be reproduced, Micro Analysis, Inc.	except in full, withou	ut written consent by			
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Joseph a Peterson, Laboratory Director

	Analytica pril 26, 2017	I Report R	levised	Analyte	Amount ppm	RL ppm
				Imazalil	ND	0.030
Client:	Jay Billings			Indoxacarb	ND	0.010
	Northeast Geo	science		Iprobenfos	ND	0.030
	97 Walnut Stre	et		Iprodione	ND	0.030
	Clinton, MA)1510		Isocarbamid (Isocarbamide)	ND	0.010
Phone:	(978) 365-904	5		Isocarbophos	ND ND	0.010 0.010
Fax:	(978) 365-937	8		Isodrin Isofenphos	ND	0.010
Email:	jbillings@ngeo.n			Isoprocarb	ND	0.010
				Isopropalin	ND	0.010
				Isoprothiolane	ND	0.030
				Isoproturon	ND	0.030
				Kresoxim-methyl	ND	0.010
				Lenacil	ND	0.010
	Project No:			Leptophos	ND	0.010
				Linuron	ND	0.010
	PO No:			Malaoxon (metabolite of Malathion)	ND	0.010
				Malathion	ND	0.010
	2 900			Mecarbam	ND	0.010
Clie	nt Sample ID:	S-1 (T)		Mepanipyrim	ND	0.010
				Mepronil	ND	0.010
				Metalaxyl	ND	0.010
				Metaldehyde	ND	0.030
	Sample Date:	3/21/2017		Methidathion	ND	0.010
	Sample Date.	3/21/2011		Methiocarb	ND	0.010
EM.	A Sample No:	17032222-01a		Methoprene	ND	0.030
D	ate Received:	3/22/2017		Methoprotryne	ND	
D	ate Received.	3/22/2017		Methoxychlor, o,p'-	ND ND	0.010 0.010
S	Sample Matrix:	Soil		Methoxychlor, p,p'- Metolachlor	ND	0.010
				Metolcarb	ND	0.030
				Metrafenone	ND	0.010
Anal	ytical Method:	FDA Import GC/M	IS/MS I - Pd	Metribuzin	ND	0.010
		FDA 302		Mevinphos	ND	0.030
Extra	ction Method:	1 DA 302		Mexacarbate	ND	0.010
Da	ate Extracted:	4/4/2017		MGK-264	ND	0.010
				Mirex	ND	0.010
Dat	e Completed:	4/5/2017		Molinate	ND	0.030
	1 0 10 10 10 10 1 0 10 10 10 10 10 10 10 10 10 10 10 10 10			Monocrotophos	ND	0.030
	Surrogate:			Monolinuron	ND	0.010
				Myclobutanil	ND	0.010
Su	rrogate Level:			Naled	ND	0.030
				Naphthaleneacetamide, 1-	ND	0.010
	Recovery:			Napropamide	ND	0.010
				Nicotine	ND ND	1.000 0.010
_				Nitrofen	ND	0.010
Commo	ents:			Nitrothal-isopropyl Nonachlor, cis-	ND	0.010
				Nonachlor, Trans-	ND	0.010
				Nuarimol	ND	0.010
				Omethoate	ND	0.010
				Oxadiazon	ND	0.010
				Oxadixyl	ND	0.010
				Oxyflurofen	ND	0.030
				Paclobutrazole	ND	0.030
				Paraoxon-ethyl	ND	0.010
				Paraoxon-methyl	ND	0.010
				Parathion-ethyl	ND	0.010
	another Screen	ing Limit (DL)		Parathion-methyl	ND	0.010
ance data ta	cted at the Report aken from 40 CFR	§ 180. Environmenta	al Micro Analysis, Inc. makes	3		

R = Reported on another Screen
ND = None Detected at the Reporting Limit (RL)
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Date: __04/13/17

Reviewed by:

Joseph a Peterson, Laboratory Director

	Analytica April 26, 2017	I Report Revised	Analyte	Amount ppm	RL ppm
			Penconazole	ND	0.010
Client:	Jay Billings		Pendimethalin (Penoxaline)	ND	0.010
•	Northeast Geo	science	Pentachloroaniline	ND	0.010
	97 Walnut Str		Pentachloroanisole	ND	0.010
	Clinton, MA		Pentachlorobenzonitrile	ND	0.010
			Pentachlorothioanisole	ND	0.010
Phone:	(978) 365-904		Peopiconazole	ND	0.010
Fax:	(978) 365-937		Permethrin I	ND	0.010
Email:	jbillings@ngeo.r	net	Permethrin II (trans)	ND	0.010
			Phenothrin I	ND	0.010
			Phenothrin II	ND	0.010
			Phenthoate	ND	0.010
			Phenylphenol, 2-	ND	0.010
	Project No:		Phorate	ND	0.010
	Project No.		Phorate sulfone	ND	0.010
	DO No.		Phorate sulfoxide	ND	0.010
	PO No:		Phosalone	ND	0.010
			Phosmet	ND	0.010
Clia	ant Cample ID:	S-1 (T)	Phosmet oxon	ND ND	0.030
CIR	ent Sample ID:	3-1 (1)	Phosphamidon I	ND	0.010
			Phosphamidon II Piperonyl Butoxide	ND	0.010
			Piperonyi Butoxide Pirimicarb	ND	0.010
			Pirimiphos-ethyl	ND	0.010
	Sample Date:	3/21/2017	Pirimiphos-methyl	ND	0.010
EV	AA Comple No.	17032222-01a	Prochloraz	ND	0.010
EN	1A Sample No:	17032222-01a	Procymidone	ND	0.010
[Date Received:	3/22/2017	Prodiamine	0.03	0.030
	Comple Metrica	Soil	Profenofos	ND	0.010
•	Sample Matrix:	3011	Profluralin	ND	0.010
			Promecarb	ND	0.010
Ana	lytical Method:	FDA Import GC/MS/MS Pe	- So Prometon	ND	0.010
Alla	iyticai wetilou.		Prometryn	ND	0.010
Extra	action Method:	FDA 302	Pronamide (Propyzamide)	ND	0.010
_		*****	Propachlor Propanil	ND ND	0.010
D	ate Extracted:	4/4/2017	Propargite	ND	0.010
Do	te Completed:	4/5/2017	Propetamphos	ND	0.010
Da	te completeu.	4/5/2017	Propham	ND	0.030
	Surrogate:		Propiconazole I	ND	0.010
	ourrogate.		Propiconazole II	ND	0.010
Sı	urrogate Level:		Propoxur	ND	0.010
	_		Pyracarbolid	ND	0.010
	Recovery:		Pyraclostrobin	ND	0.030
			Pyrazophos	ND	0.010
			Pyridaben	ND	0.010
Comm	ients:		Pyridaphenthion	ND	0.010
			Pyrifenox I	ND	0.010
			Pyrifenox II	ND ND	0.010
			Pyrimethanil Pyriproxyfen	ND ND	0.010
			Quinalphos	ND	0.010
			Quinoxyfen	ND	0.010
			Quintozyren	ND	0.010
			Resmethrin -cis (cismethrin)	ND	0.010
			Ronnel (Fenchlorphos)	ND	0.010
			Secbumeton	ND	0.010
			Simazine	ND	0.010
			6:	NID	0.040

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Date: __04/13/17

_ Reviewed by: _

ND

0.010

Simetryn

460 N East Street

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

	Analytica pril 26, 2017	l Report	Revised	Analyte	Amount ppm	RL ppm
				Spirodiclofen	ND	0.030
Client:	Jay Billings			Spiromesifen	ND	0.030
	Northeast Geo	science		Spiroxamine I	ND	0.010
	97 Walnut Stre	eet		Spiroxamine II	ND	0.010
	Clinton, MA	01510		Sulfotep	ND	0.010
Phone:	(978) 365-904	15		Sulprofos	ND	0.030
Fax:	(978) 365-937			Tebuconazole	ND	0.010
Email:	ibillings@ngeo.r			Tebufenpyrad	ND	0.010
Linaii.	Juliingsengeo.i	ict		Tebupirimfos	ND	0.010
				Tebutam	ND	0.010
				Tebuthiuron (TONE)	ND	0.010
				Techazene (TCNB)	ND ND	0.010 0.010
				Tefluthrin, cis- Terbacil	ND	0.010
	Project No:			Terbufos	ND	0.010
				Terbuneton	ND	0.030
	PO No:			Terbuthylazine	ND	0.030
	10110.			Tetrachloraniline, 2,3,5,6-	ND	0.010
				Tetrachlorvinphos, e-isomer	ND	0.010
Clie	ent Sample ID:	S-1 (T)		Tetraconazole	ND	0.010
Olic	ine oumpie ib.	(.)		Tetradifon	ND	0.010
				Tetrahydrophthalimide, cis-1,2,3,6-	ND	0.010
				Tetrahydrophthalimide, cis-Delta 4-	ND	0.030
				Tetramethrin I	ND	0.010
	Sample Date:	3/21/2017		Tetramethrin II	ND	0.010
FM	A Sample No:	17032222-01a		Thiabendazole	ND	0.030
	ar completion			Thiamethoxam	ND	0.010
D	ate Received:	3/22/2017		Thionazin	ND	0.030
	Sample Matrix:	Soil		Tolclofos-methyl	ND	0.010
	ballipie Matrix.	COII		Tolylfluanid	ND	0.010
				Triadimefon	ND	0.010
Anal	vtical Method:	FDA Import GO	C/MS/MS Sp - Z	Triadimenol	ND	0.010
Alla	yticai metilou.			Triazophos	ND	0.010
Extra	action Method:	FDA 302		Tricyclazole	ND	0.030
				Trifloxystrobin	ND	0.010
Da	ate Extracted:	4/4/2017		Triflunizole	ND	0.010
_				Trifluralin	ND ND	0.010 0.010
Da	te Completed:	4/5/2017		Trimethacarb, 2,3,5-	ND	0.010
				Trimethacarb, 3,4,5- Trimidal (Nuarimol)	ND	0.010
	Surrogate:			Triticonazole	ND	0.010
Ç.	rrogate Level:			Vernolate	ND	0.010
31	irrogate Level:			Vinclozolin	ND	0.030
				VIII GOZUIII	NU	0.010

Comments:

Recovery:

R = Reported on another Screen
ND = None Detected at the Reporting Limit (RL)
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no claims as to the accuracy of tolerance numbers.
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Analytical	Report	Revised
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	Analytica	al Report Revised	Analyte	Amount	RL
,	April 26, 2017			ppm	ppm
			3-Hydroxycarbofuran	ND	0.010
Client:	Jay Billings	-	Acephate	ND	0.010
	Northeast Geo		Acetamiprid	ND ND	0.010
	97 Walnut Str		Acetochlor Acibenzolar-S-methyl	ND ND	0.010
	Clinton, MA	01510	Alanycarb	ND	0.010
Phone:	(978) 365-904	15	Aldicarb-sulfone	ND	0.010
Fax:	(978) 365-937	78	Aldicarb-sulfoxide	ND	0.010
Email:	jbillings@ngeo.i	net	Ametryn	ND	0.010
			Amicarbazone	ND	0.010
			Aminocarb	ND	0.010
			Aspon	ND	0.010
			Atrazine	ND	0.010
			Avermectin Ba	ND	0.010
	Project No:		Azinphos-methyl	ND	0.010
	1200 100		Azoxystrobin	ND	0.010
	PO No:		Benalaxyl	ND	0.010
			Bendiocarb	ND	0.010
-			Benfuracarb	ND	0.010
Clie	ent Sample ID:	S-1 (T)	Bensulide	ND	0.010
			Benzoximate	ND	0.010
			Bifenazate	ND	0.010
			Bitertanol	ND	0.010
	Sample Date:	3/21/2017	Boscalid Bromuconazole (isomer)	ND ND	0.010
			Bupirimate	ND	0.010
EM	1A Sample No:	17032222-01a	Buprofezin	ND	0.010
Г	Date Received:	3/22/2017	Butafenacil	ND	0.010
			Butocarboxim	ND	0.010
	Sample Matrix:	Soil	Carbaryl	ND	0.010
			Carbendazim	ND	0.010
_		FDA Import LC/MS/MS A-C	Carbetamide	ND	0.010
Ana	lytical Method:	1 DA IMPORTEOMORIO A G	Carbofuran	ND	0.010
Extra	action Method:	FDA 302	Carbosulfan	ND	0.010
-/	aonon momou		Carboxine	ND	0.010
D	ate Extracted:	4/4/2017	Carfentrazone-ethyl	ND	0.010
_			Chlorantraniliprole	ND	0.010
Da	te Completed:	4/5/2017	Chlordimeform	ND	0.010
			Chlorfenvinphos Chlorfluazuron	ND ND	0.010
	Surrogate:		Chloroxuron	ND	0.010
Sı	ırrogate Level:		Chlorpyrifos	ND	0.010
0.0	inogate Level.		Chlorpyrifos-methyl	ND	0.010
	Recovery:		Chlortoluron	ND	0.010
			Clethodim	ND	0.010
			Clofentezine	ND	0.010
Comm	ents:		Clothianidin	ND	0.010
			Coumaphos	ND	0.010
			Cumyluron	ND	0.010
			Cyanazine	ND	0.010
			Cyazofamid	ND	0.010
			Cycluron	ND	0.010
			Cyflufenamid	ND	0.010
			Cyhexatin Cymoxanil	ND ND	0.010
			Cymoxanii Cyproconazole (isomer)	ND	0.010
			Cyprodinil	ND	0.010
			Cyromazine	ND	0.010

R = Reported on another Screen
ND = None Detected at the Reporting Limit (RL)
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no claims as to the accuracy of tolerance numbers.
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Jonald a Pilous Don Peterson, Laboratory Director

ND

0.010

Cyromazine

	Analytica April 26, 2017	l Report	Revised	Analyte	Amount ppm	RL ppm
				Daimuron	ND	0.010
Client:	Jay Billings			Diafenthiuron	ND	0.010
	Northeast Geo	science		Diazinon	ND	0.010
	97 Walnut Stre	eet		Dichlorvos	ND	0.010
	Clinton, MA	01510		Diclobutrazol	ND	0.010
Phone:	(978) 365-904			Dicrotophos	ND	0.010
Fax:	(978) 365-937			Diethofencarb	ND	0.010
Email:	jbillings@ngeo.r			Difenoconazole	ND ND	0.010 0.010
	Jamingoe ngoon			Diflubenzuron Dimethenamide	ND ND	0.010
				Dimethoate	ND	0.010
				Dimethomorph	ND	0.010
				Dimoxystrobin	ND	0.010
				Diniconazole	ND	0.010
	Project No:			Dioxacarb	ND	0.010
				Diuron	ND	0.010
	PO No:			DMST	ND	0.010
				DNOC	ND	0.010
CI	CI- ID-	C 4 (T)		Dodine	ND	0.010
CIIE	ent Sample ID:	S-1 (T)		Doramectin	ND	0.010
				Emamectin Ba	ND ND	0.010 0.010
				Epoxiconazole Eprinomectin	ND ND	0.010
				Esprocarb	ND	0.010
	Sample Date:	3/21/2017		Ethidimuron	ND	0.010
EN	AA Sample No:	17032222-01a		Ethiofencarb	ND	0.010
Liv	nA Sample No.	17002222-014		Ethiofencarb-sulfoxide	ND	0.010
	Date Received:	3/22/2017		Ethion	ND	0.010
	Sample Matrix:	Soil		Ethiprole	ND	0.010
	oumpic matrix.			Ethirimol	ND	0.010
				Ethofumesate	ND	0.010
Ana	lytical Method:	FDA Import LC	C/MS/MS D-F	Ethoprop Etobenzanid	ND ND	0.010 0.010
	-	ED 4 000		Etoxazole	ND	0.010
Extr	action Method:	FDA 302		Famoxadone	ND	0.010
D	ate Extracted:	4/4/2017		Fenamidone	ND	0.010
	ate Extracteu.	7772017		Fenarimol	ND	0.010
Da	te Completed:	4/5/2017		Fenazaquin	ND	0.010
	•			Fenbuconazole	ND	0.010
	Surrogate:			Fenbutatin Oxide	ND	0.010
_				Fenhexamid	ND	0.010
Sı	urrogate Level:			Fenobucarb	ND ND	0.010 0.010
	Pagavanu			Fenoxycarb Fenpropimorph	ND	0.010
	Recovery:			Fenpyroximate	ND	0.010
				Fenuron	ND	0.010
Comm	nents:			Flonicamid	ND	0.010
0011111	1011101			Fluazifop-butyl	ND	0.010
				Flubendiamide	ND	0.010
				Fludioxinil	ND	0.010
				Flufenacet	ND	0.010
				Flufenoxuron	ND	0.010
				Fluometuron	ND ND	0.010 0.010
				Fluopicolide Fluoxastrobin	ND	0.010
				Fluquinconazole	ND	0.010
				Flusilazole	ND	0.010
				Flutolanil	ND	0.010
	another Screen	State I State (B)		Flutriafol	ND	0.010
NU = None Dete	ected at the Report taken from 40 CFR	ung Limit (HL) & 180. Environme	ental Micro Analysis, Inc. makes	Fomesafen	ND	0.010
no claims as to t	the accuracy of tole	erance numbers.		Forchiomenuron	ND	0.010
Excess sample a	and extracts are sto . Special storage a	ored for a minimum	of 30 days from the date of	Formetanate	ND	0.010
Reculte relate or	nly to iteme tested			Fuberidazole Furalaxyl	ND ND	0.010 0.010
Samples are an	alyzed as received	except in full with	out written consent by	i uraianyi	ND	0.010
Environmental N	Aicro Analysis, Inc.					
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45.70						

Analytical Report Revised

April 26, 2017	Analytic	al Report Revised		Amount	RL
Cilient: Jay Billings			Analyte		
Northeast Geoscience Hexazinone ND 0.010 97 Walnut Street Heythiazox ND 0.010 ND 0.010 Hydramethylnon ND 0.010 ND 0.010 Hydramethylnon ND 0.010 ND	2000				
Pote	,				
Clinton, MA 01510					
Phone:					
Phone: (978) 365-9945 Imazapyr			0. 1		
Email: jbillings@ngeo.net	Management Comment Control of Co. Co.				
Imidacloprid ND 0.010 Indoxacarb ND 0.010 Indoxacarb ND 0.010 Indoxacarb ND 0.010 Indoxacarb ND 0.010 Iprovalicarb ND 0.010 Iprovalicarb ND 0.010 Iprovalicarb ND 0.010 Isoprotarbidis ND 0.010			Imazethapyr	ND	0.010
Indoxacarb	Email: jbillings@ngeo	o.net	Imibenconazole		0.010
Project No:			20-0-0-10-0-10-0-10-0-10-0-10-0-10-0-10		
Project No:					
Project No:			· · · · · · · · · · · · · · · · · · ·		
Project No:			N. • 10 Adj. 60 Participation (Co. 1)		
	Project No:				
Soproturon ND 0.010 ND				ND	
Vermectin	PO No:		Isoprothiolane	ND	0.010
Client Sample ID:			Isoproturon	ND	0.010
Lactofen		6 4 fm			
Linuron ND 0.010	Client Sample ID:	S-1 (I)			
Malathion ND 0.010					
Sample Date: 3/21/2017 Mandipropamid ND 0.010					
Sample Date: 3/21/2017 Mefenacet ND 0.010 EMA Sample No: 17032222-01a Mepanipyrim ND 0.010 Date Received: 3/22/2017 Metallumizone ND 0.010 Sample Matrix: Soil Metallawi ND 0.010 Analytical Method: FDA Import LC/MS/MS H-O Methuroxam ND 0.010 Methamidophos ND 0.010 Methuroxam ND 0.010 Methidicarb ND 0.010 Methomyl ND 0.010 Methomyl ND 0.010 Methorylenozide ND 0.010 Methorylenozide ND 0.010 Surrogate: Metobromuron ND 0.010 Surrogate Level: Metowaron ND 0.010 Metralenone ND 0.010 Mescarbate ND 0.010 Mescarbate ND 0.010 Mexacarbate ND 0.010 Monolinuron					
Method M	Sample Date:	3/21/2017	A 1	ND	
Date Received: 3/22/2017 Meptonilizone ND 0.010	EMA Sample No:	17032222-01a	Mepanipyrim	ND	0.010
Sample Matrix: Soil Metalaxyl Metconazole Methodiconazole Methomidophos ND 0.010 Methamidophos ND 0.010 Methamidophos ND 0.010 Methigophos ND 0.010 Methogrotyne ND 0.010 Methoprotyne ND 0.010 Methogromuron ND 0.010 Mexacarbate ND 0.01			Court A. Court Cou		
Metronazole ND 0.010 Methamidophos ND 0.010 Methamidophos ND 0.010 Methamidophos ND 0.010 Methamidophos ND 0.010 Methidathion ND 0.010 Methidathion ND 0.010 Methidathion ND 0.010 Methopolity ND 0.010 Methopolity ND 0.010 Methoxylenozide ND 0.010 Metoxylenozide ND 0.010 Mexacarbate ND 0.010 Mexacarbate ND 0.010 Mexacarbate ND 0.010 Moxylectin ND 0.010 Moxylectin ND 0.010 Moxylectin ND 0.010 Neburon ND 0.010 Novaluron	Date Received	3/22/2017			
Methamidophos ND 0.010 Methfuroxam ND 0.010 Methfuroxam ND 0.010 Methfuroxam ND 0.010 Methidoxam ND 0.010 Methidoxylenozide ND 0.010 Methoxylenozide ND 0.010 Methoxylenozide ND 0.010 Methoxylenozide ND 0.010 Metolachlor ND 0.010 Metolachlor ND 0.010 Metridenone ND 0.010 Metridenone ND 0.010 Metridenone ND 0.010 Metridenone ND 0.010 Metsulfuron-methyl ND 0.010 Mexacarbate ND 0.010 Mexacarbate ND 0.010 Mexacarbate ND 0.010 Monocrotophos ND 0.010 Monocrotophos ND 0.010 Moxidectin ND 0.010 Moxidectin ND 0.010 Moxidectin ND 0.010 Noxidectin ND 0.010 Neburon ND 0.010 Novaluron ND 0.010 ND 0.010 ND 0.010 ND 0.010 ND 0.0	Sample Matrix	: Soil	333A33484031940 3		
Analytical Method: FDA Import LC/MS/MS H-O Methfuroxam Methiod: Methiod: MD 0.010 0.01					
Methidathion ND 0.010		EDA Immont I CARCARC II O	A CONTRACTOR OF THE PARTY OF TH		
Methomyl ND 0.010	Analytical Method	: FDA Import LC/MS/MS H-O	Methidathion	ND	0.010
Methomyl ND 0.010	Extraction Method	. FDA 302			
Methoxyfenozide ND 0.010				2.00	
Date Completed: 4/5/2017 Metobromuron Metolachlor ND 0.010 Surrogate: Metoxuron Metrafenone ND 0.010 Surrogate Level: Metribuzin Metsulfuron-methyl ND 0.010 Recovery: Mevinphos Mexacarbate ND 0.010 Mexacarbate ND 0.010 Monocrotophos ND 0.010 Monocrotophos ND 0.010 Moxidectin ND 0.010 Moxidectin ND 0.010 Napropamide ND 0.010 Neburon ND 0.010 Neburon ND 0.010 Neburon ND 0.010 Novaluron ND 0.010 Omethoate ND 0.010 Omethoate ND 0.010 Oxamyl ND 0.010	Date Extracted:	4/4/2017			
Metolachlor ND 0.010 Surrogate:	Data Campleted	4/5/2017	The state of the s		
Surrogate: Metoxuron Metrafenone ND 0.010 Surrogate Level: Metrifuzin Metrifuzin ND 0.010 Recovery: Mevinphos Mexacarbate ND 0.010 Molinate ND 0.010 Monocrotophos ND 0.010 Monolinuron ND 0.010 Moxidectin ND 0.010 Myclobutanil ND 0.010 Napropamide ND 0.010 Neburon ND 0.010 Neburon ND 0.010 Neburon ND 0.010 Novaluron ND 0.010 Owenthoate ND 0.010 Omethoate ND 0.010 Omethoate ND 0.010	Date Completed	4/5/2017			
Metrafenone ND 0.010 Surrogate Level: Metribuzin ND 0.010 Metsulfuron-methyl ND 0.010 Mexacarbate ND 0.010 Mexacarbate ND 0.010 Molinate ND 0.010 Monocrotophos ND 0.010 Monocrotophos ND 0.010 Moxidectin ND 0.010 Myclobutanil ND 0.010 Myclobutanil ND 0.010 Napropamide ND 0.010 Napropamide ND 0.010 Neburon ND 0.010 Nitenpyram ND 0.010 Novaluron ND 0.010 Omethoate ND 0.010 Omethoate ND 0.010 Omethoate ND 0.010 Oxamyl ND 0.010 Oxamyl ND 0.010 Oxamyl ND 0.010 Onto Oxamyl ND 0.010 Oxamyl	Surrogate			ND	
Metsulfuron-methyl ND 0.010	oun.oguio		Metrafenone	ND	0.010
Recovery: Mevinphos ND 0.010 Mexacarbate ND 0.010 Molinate ND 0.010 Monocrotophos ND 0.010 Monolinuron ND 0.010 Moxidectin ND 0.010 Myclobutanil ND 0.010 Napropamide ND 0.010 Neburon ND 0.010 Nitenpyram ND 0.010 Novaluron ND 0.010 Omethoate ND 0.010 Oxamyl ND 0.010	Surrogate Level				
Mexacarbate ND 0.010			•		
Molinate ND 0.010	Hecovery	•			
Comments: Monocrotophos ND 0.010 Monolinuron ND 0.010 Moxidectin ND 0.010 Myclobutanil ND 0.010 Napropamide ND 0.010 Neburon ND 0.010 Nitenpyram ND 0.010 Novaluron ND 0.010 Omethoate ND 0.010 Oxamyl ND 0.010					
Monolinuron ND 0.010	Comments:			100	
Myclobutanil ND 0.010 Napropamide ND 0.010 Neburon ND 0.010 Nitenpyram ND 0.010 Novaluron ND 0.010 Omethoate ND 0.010 Oxamyl ND 0.010	Johnnon LJ.			ND	0.010
Napropamide ND 0.010 Neburon ND 0.010 Nitenpyram ND 0.010 Novaluron ND 0.010 Omethoate ND 0.010 Oxamyl ND 0.010					
Neburon ND 0.010 Nitenpyram ND 0.010 Novaluron ND 0.010 Omethoate ND 0.010 Oxamyl ND 0.010					
Nitenpyram ND 0.010 Novaluron ND 0.010 Omethoate ND 0.010 Oxamyl ND 0.010			27 10-0-400 PM 000-00 PM 509		
Novaluron ND 0.010 Omethoate ND 0.010 Oxamyl ND 0.010					
Omethoate ND 0.010 Oxamyl ND 0.010					
Oxadixyl ND 0.010					
			Oxadixyl	ND	0.010

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Date: __04/13/17 _____ Reviewed by: __

Joseph a Peterson, Laboratory Director

Environmental Micro Analysis, Inc. ISO 17025 accreditation 460 N East Street Woodland, CA 95776

Analytica April 26, 2017	Report Revised	Analyte	Amount ppm	RL ppm
		Pencycuron	ND	0.010
Client: Jay Billings		Pendimethalin	ND	0.010
Northeast Geo	science	Phorate	ND	0.010
97 Walnut Stre	et	Phosmet	ND	0.010
Clinton, MA	1510	Phoxim	ND	0.010
Phone: (978) 365-904	5	Picoxystrobin	ND	0.010
Fax: (978) 365-937		Piperonyl butoxide	ND ND	0.010 0.010
Email: jbillings@ngeo.n		Pirimicarb Pirimiphos-methyl	ND	0.010
,		Prochloraz	ND	0.010
		Promecarb	ND	0.010
		Prometon	ND	0.010
		Prometryn	ND	0.010
D		Propachlor	ND	0.010
Project No:		Propamocarb	ND	0.010
		Propargite	ND	0.010
PO No:		Propazine	ND	0.010
		Propham	ND	0.010
Client Sample ID:	S-1 (T)	Propiconazole	ND ND	0.010 0.010
Client Sample ID.	5-1(1)	Propoxur Propyzamide	ND	0.010
		Pymetrozin	ND	0.010
		Pyracarbolid	ND	0.010
		Pyraclostrobin	ND	0.010
Sample Date:	3/21/2017	Pyridaben	ND	0.010
EMA Sample No:	17032222-01a	Pyridaphenthion	ND	0.010
STREET, OR THERE IN THE STREET		Pyrimethanil	ND	0.010
Date Received:	3/22/2017	Pyriproxyfen	ND	0.010
Sample Matrix:	Soil	Quinoxyfen	ND	0.010
		Sebuthylazine Seebumoton	ND ND	0.010 0.010
		Secbumeton Sethoxydim	ND	0.010
Analytical Method:	FDA Import LC/MS/MS P-Trid	Siduron	ND	0.010
	FDA 302	Simazine	ND	0.010
Extraction Method:	1 DA 302	Simetryn	ND	0.010
Date Extracted:	4/4/2017	Spinetoram-J +L	ND	0.010
		Spinosad	ND	0.010
Date Completed:	4/5/2017	Spirodiclofen	ND	0.010
		Spiromecifen	ND	0.010
Surrogate:		Spirotetramat	ND ND	0.010 0.010
Surrogate Level:		Spiroxamine Sulfentrazone	ND	0.010
Surrogate Level.		Tebuconazole	ND	0.010
Recovery:		Tebufenozide	ND	0.010
		Tebufenpyrad	ND	0.010
		Tebuthiuron	ND	0.010
Comments:		Temephos	ND	0.010
		Tepraloxydim	ND	0.010
		Terbureton Terbureton	ND ND	0.010
		Terbutryn Tetraconazole	ND ND	0.010 0.010
		Thiabendazole	ND	0.010
		Thiacloprid	ND	0.010
		Thiamethoxam	ND	0.010
		Thidiazuron	ND	0.010
		Thiobencarb	ND	0.010
		Thiophopata methyl (Carbondarim)	ND	0.010
R = Reported on another Screen		Thiophanate-methyl (Carbendazim) Triadimefon	ND ND	0.010 0.010
ND - None Detected at the Bened	ing Limit (RL)	Extra del de la company de	ND	0.010
Tolerance data taken from 40 CFR	§ 180. Environmental Micro Analysis, Inc. makes rance numbers.	Triazophos	ND	0.010
Excess sample and extracts are sto	ored for a minimum of 30 days from the date of	Tricyclazole	ND	0.010
analytical report. Special storage a Results relate only to items tested.	rrangements possible.	Tridemorph	ND	0.010
Samples are analyzed as received.	except in full, without written consent by			
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ELAP Certificate #2819

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

Analytical Report Revised

Client: Jay Billings Northeast Geoscience 97 Walnut Street Clinton, MA 01510

Phone: (978) 365-9045 (978) 365-9378 Fax: Email: jbillings@ngeo.net

April 26, 2017

Analyte	Amount ppm	RL ppm
Trifloxystrobin	ND	0.010
Triflumizole	ND	0.010
Triflumuron	ND	0.010
Triflusulfuron-methyl	ND	0.010
Triphenyl Phosphate	ND	0.010
Triticonazole	ND	0.010
Uniconazole	ND	0.010
Vamidothion	ND	0.010
Zoxamide	ND	0.010

Project No:

PO No:

Client Sample ID: S-1 (T)

Sample Date: 3/21/2017 EMA Sample No: 17032222-01a Date Received: 3/22/2017

Sample Matrix: Soil

Analytical Method: FDA Import LC/MS/MS Trif-Z

Extraction Method: FDA 302

Date Extracted: 4/4/2017

Date Completed: 4/5/2017

Surrogate:

Surrogate Level:

Recovery:

Comments:

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ND = None Detected at the Reporting Limit (RL)
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no claims as to the accuracy of tolerance numbers.
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Date: __04/13/17

Sonald a. Peters

Analytical Report Revised

April 26, 2017

Client: Jay Billings

Northeast Geoscience 97 Walnut Street Clinton, MA 01510

(978) 365-9045 Phone: (978) 365-9378 Fax: jbillings@ngeo.net Email:

Analyte	Amount ppm	RL ppm
Ferbam	ND	0.030
Maneb (Dithane M-22)	ND	0.030
Mancozeb	ND	0.030
Metiram	ND	0.030
Nabam	ND	0.030
Thiram	ND	0.030
Zineb	ND	0.030
Ziram	ND	0.030

Project No:

PO No:

Client Sample ID: S-1 (T)

Sample Date: 3/21/2017

EMA Sample No: 17032222-01a

Date Received: 3/22/2017

Sample Matrix: Soil

Analytical Method:

EBDC Screen

Extraction Method:

CDFA Date Extracted: 3/31/2017

Date Completed: 3/31/2017

Surrogate Level:

Recovery:

Surrogate:

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
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04/13/17

Reviewed by:

Donald a Peterso

Don Peterson, Laboratory Director

Page: 12 of 136

Analytical Report Revised

Revised	Analyte	Amount ppm	RL ppm
	2, 4 - D	ND	0.250
	2, 4 -DB	ND	0.250
	2, 4, 5 - T	ND	0.130
	2, 4, 5 -TP	ND	0.130
	Dicamba	ND	0.130
	Dichloroprop	ND	0.130
	Bentazon	ND	0.250
	MCPA	ND	0.250
	MCPP	ND	0.250
	Triclopyr	ND	0.250
	Revised	Analyte 2, 4 - D 2, 4 - DB 2, 4, 5 - T 2, 4, 5 - TP Dicamba Dichloroprop Bentazon MCPA MCPP	Analyte ppm 2, 4 - D ND 2, 4 - DB ND 2, 4, 5 - T ND 2, 4, 5 - TP ND Dicamba ND Dichloroprop ND Bentazon ND MCPA ND MCPP ND

Project No:

PO No:

Client Sample ID: S-1 (T)

Sample Date: 3/21/2017

EMA Sample No:

17032222-01a

Date Received: 3/22/2017

Sample Matrix: Soil

EPA 8151A (s)

Analytical Method:

Extraction Method: EPA 8151A

Date Extracted: 4/4/2017

Date Completed: 4/10/2017

Surrogate: DCAA

Surrogate Level: 0.2 mg/Kg

Recovery: 101

Comments:

R = Reported on another Screen
ND = None Detected at the Reporting Limit (RL)
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no claims as to the accuracy of tolerance numbers.
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Date: _04/13/17

Reviewed by:

Sonald a. Peterso

	Analytica pril 26, 2017	l Report	Revised	Analyte	Amount ppm	RL ppm
				a, b, d-BHC	ND	0.010
Client:	Jay Billings			Alachlor	ND	0.020
	Northeast Geo	ecioneo		Aldrin	ND	0.010
				Benfluralin	ND	0.020
	97 Walnut Stre			Bifenox	ND	0.050
	Clinton, MA	J151U		Boscalid	ND	0.020
Phone:	(978) 365-904	5		Bromacil	ND	0.020
Fax:	(978) 365-937	8			ND	0.040
Email:	jbillings@ngeo.n			Captafol	ND	
2	Jonningoengoon			Captan		0.020
				Chlordane (sum of Isomers)	ND	0.020
				Chlorfenapyr	ND	0.040
				Chlorobenzilate	ND	0.040
				Chlorothalonil	ND	0.010
	Designat No.			Cyanazine	ND	0.100
	Project No:			Dacthal	ND	0.020
				DDD	ND	0.020
	PO No:			DDE	ND	0.020
				DDT	ND	0.020
				Dichlobenil	ND	0.030
Clie	ent Sample ID:	S-1 (T)		Dichlone	ND	0.050
		, ,		Dicloran	ND	0.020
				Dicofol	ND	0.050
				Dieldrin	ND	0.010
				Endosulfan alpha	ND	0.010
	Sample Date:	3/21/2017		Endosulfan beta	ND	0.010
	The second secon				ND	0.010
EM	IA Sample No:	17032222-01a		Endosulfan sulfate		
	Nata Dagaired	3/22/2017		Endosulfans (Total)	ND	0.010
L	Date Received:	3/22/2017		Endrin	ND	0.010
5	Sample Matrix:	Soil		Ethafluralin	ND	0.030
_				Fenhexamid	ND	0.030
				Folpet	ND	0.050
Anal	lytical Method:	OC Screen		Heptachlor	ND	0.010
Allai	iyilcai Metilou.			Heptachlor epoxide	ND	0.020
Extra	action Method:	CDFA		Hexachlorobenzene	ND	0.010
Extre	aonon memea.			Indoxacarb	ND	0.030
Da	ate Extracted:	4/4/2017		Iprodione	ND	0.050
				Lindane (gamma-BHC)	ND	0.010
Dat	te Completed:	4/5/2017		Linuron	ND	0.150
	The state of the s			Methoxychlor	ND	0.050
	Surrogate:	Dibutylchlorde	nate	Metribuzin	ND	0.020
	ourroguto.	Dibatylomorac		Mirex	ND	0.020
Su	rrogate Level:	0.013 ppm		Myclobutanil	ND	0.050
-	-3	blam		Oxadiazon	ND	0.050
	Recovery:	103		Oxyfluorfen	ND	0.040
	nooc vo. y.	100		Pendimethalin	ND	0.050
				Pentachloronitrobenzene (PCNB)	ND	0.020
C	onte:			Pentachloroanaline (PCA)	ND	0.010
Comm	GILS.			Perthane	ND	0.100
				Polychlorinated Biphenyls	ND	0.250
				Procymidone	ND	0.020
				Profluralin	ND	0.020
				Pronamide	ND	0.050
				Propanil	ND	0.050
				Tetradifon	ND	0.020
				Toxaphene	ND	0.250
				Triadimefon	ND	0.020
				Trifloxystrobin	ND	0.030
				Triflumazole	ND	0.050
R = Reported on	another Screen	ing Limit /DL\		Trifluralin	ND	0.020
	cted at the Report		ntal Micro Analysis, Inc. makes	Vegadex (Diethyldithiocarbamic Acid)	ND	0.050
no claims as to the	he accuracy of tole	rance numbers.		Vinclozolin	ND	0.020
Excess sample a	and extracts are sto	ored for a minimum	of 30 days from the date of	Dithiopyr	ND	0.020
analytical report.	Special storage a	rrangements possi	ble.	Norflurazon	ND	0.020
Samples are ana Reports should n		except in full, without	out written consent by			
Environmental M	licro Analysis, Inc.	accreditation as to	http://emalab.com/ISO17025.			
pdf	5 01 0ul 130 17023	accidentation you	/ mmp.//emaiab.com//301/1025.			
esti.						

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ELAP Certificate #2819

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Analytical Report Revised

April 26, 2017

Client: Jay Billings

Northeast Geoscience 97 Walnut Street Clinton, MA 01510

(978) 365-9045 Phone: (978) 365-9378 Fax:

Email: jbillings@ngeo.net

Analyte	Amount ppm	RL ppm
Bifenthrin	ND	0.020
Cyfluthrin	ND	0.040
Cypermethrin	ND	0.040
Deltamethrin	ND	0.020
Esfenvalerate	ND	0.030
Fenpropathrin	ND	0.010
Fluvalinate	ND	0.040
lambda Cyhalothrin	ND	0.010
Permethrin	ND	0.100
Tralomethrin	ND	0.020
Pyrethrins (Total)	ND	0.050

Project No:

PO No:

Client Sample ID: S-1 (T)

Sample Date: 3/21/2017 EMA Sample No: 17032222-01a Date Received: 3/22/2017

Sample Matrix: Soil

Analytical Method: Pyrethroid Screen

Extraction Method:

4/4/2017 Date Extracted:

Date Completed: 4/5/2017

Surrogate: Dibutylchlordenate

Surrogate Level: 0.013 ppm

Recovery: 103

Comments:

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ND = None Detected at the Reporting Limit (RL)
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Date: 04/13/17 Reviewed by: _ Joseph a Pologo Don Peterson, Laboratory Director

ND

0.030 0.030

0.050

0.050

0.040

0.050

0.050

0.030

0.020

0.050 0.020

0.020 0.030

0.020

0.020

Analytica April 26, 2017	I Report Revised	Analyte	Amount ppm	RL ppm
Client: Jay Billings Northeast Get 97 Walnut Str Clinton , MA Phone: (978) 365-904 Fax: (978) 365-93 Email: jbillings@ngeo.	eet 01510 45 78	Acephate Azinphos-methyl Bolstar Bensulide Carbofenothion Chlorfenvinphos Chlorpyrifos Chlorpyrifos-methyl Ciodrin Coumaphos DEF Demeton (Systox) O/S Analogues Diazinon	ND N	0.020 0.050 0.030 0.050 0.020 0.030 0.020 0.030 0.050 0.050 0.050 0.040
Project No:		Dibrom Dichlorvos	ND ND ND	0.050 0.030 0.020
PO No: Client Sample ID:	S-1 (T)	Dicrotophos Dimethoate Disulfoton EPN Ethion Ethoprop Fenamiphos Fenitrothion	ND ND ND ND ND ND	0.020 0.020 0.020 0.030 0.050 0.020 0.030
Sample Date: EMA Sample No: Date Received:	3/21/2017 17032222-01b 3/22/2017	Fenthion Fonofos Isofenphos Malathion Metasystox-R	ND ND ND ND ND	0.020 0.040 0.030 0.020 0.050
Sample Matrix	Soil	Methamidophos	ND	0.030

Methidathion

Mevinphos

O-methoate

Parathion

Phosalone

Profenofos

Ronnel

Thionazin

Phosphamidon

Propetamphos

Pyrimiphos-methyl

Tetrachlorvinphos

Phosmet

Phorate

Methyl Parathion

Comments:

Sample Matrix: Soil

Extraction Method: CDFA

Analytical Method: OP Screen

Date Extracted: 4/4/2017

Date Completed: 4/5/2017

Surrogate Level: 0.067 ppm

Recovery: 110

Surrogate: Triphenylphosphate

R = Reported on another Screen
ND = None Detected at the Reporting Limit (RL)
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no claims as to the accuracy of tolerance numbers.
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April 26, 2017

Email:

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

RI

Amount

Analytical Report Revised

Client: Jay Billings **Northeast Geoscience** 97 Walnut Street Clinton, MA 01510 (978) 365-9045 Phone: (978) 365-9378 Fax:

jbillings@ngeo.net

Project No:

PO No:

Client Sample ID: S-1 (T)

Sample Date: 3/21/2017 17032222-01b **EMA Sample No:** Date Received: 3/22/2017 Sample Matrix: Soil

ON Screen **Analytical Method:**

Extraction Method: CDFA

Date Extracted: 4/4/2017

Date Completed: 4/5/2017

Surrogate: Triphenylphosphate

Surrogate Level: 0.067 ppm

Recovery: 110

Comments:

Analyte	ppm	ppm
Acetamipride	ND	0.050
Atrazine	ND	0.030
Azoxystrobin	ND	0.030
Benthiocarb	ND	0.050
Cyanazine	ND	0.050
Cyromazine	ND	0.050
Cyprodinil	ND	0.050
Dimethomorph	ND	0.050
Diphenyl Amine	ND	0.050
Fenamidone	ND	0.050
Fenbuconazole	ND	0.050
Fipronil	ND	0.050
Fludioxinil	ND	0.050
Hexazinone	ND	0.050
Imazalil	ND	0.050
Kresoxim Methyl	ND	0.050
Metalaxyl	ND	0.050
Metolachlor	ND	0.050
Metribuzin	ND	0.050
Molinate	ND	0.050
Myclobutanil	ND	0.050
Prometon	ND	0.050
Prometryne	ND	0.050
Propamocarb	ND	0.050
Propiconazole	ND	0.050
Pymetrozine	ND	0.050
Pyraclostrobin	ND	0.050
Pyriproxifen	ND	0.050
Sethoxydim	ND	0.050
Simazine	ND	0.050
Tebuconazole	ND	0.050
Terbacil	ND	0.050
Thiabendazole	ND	0.050
Desethyl Atrazine	ND	0.050

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.
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04/13/17

Reviewed by:

Donald a Peterso

Don Peterson, Laboratory Director

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	Analytica April 26, 2017	l Report	Revised	Analyte	Amount ppm	RL ppm
				Acephate	ND	0.030
Client:	Jay Billings			Acetamiprid	ND	0.030
	Northeast Geo	necianca		Acrinathrin	ND	0.010
	97 Walnut Stre			Adiisopropylnaphthalene, 2,6- (DIPN,	ND	0.010
	Committee of the Commit	Control of the Contro		Alachior	ND	0.010
	Clinton, MA	01510		Aldrin	ND	0.010
Phone:	(978) 365-904	15		Allethrin	ND	0.010
Fax:	(978) 365-937	78		Ametryn	ND	0.010
Email:	jbillings@ngeo.i	net		Aminocarb	ND	0.010
	,3					
				Atrazine	ND	0.010
				Azinphos-methyl	ND	0.010
				Azoxystrobin	ND	
				Benalaxyl	ND	0.010
	Project No:			Azoxystrobin	ND	0.010
	rioject No.			Bendiocarb	ND	0.010
	DO 11			Benfluralin	ND	0.010
	PO No:			Benoxacor	ND	0.010
				BHC-alpha (Benzene	ND	0.010
				BHC-beta	ND	0.010
Clie	ent Sample ID:	S-2 (F)		BHC-delta	ND	0.010
				BHC-gamma (Lindane, gamma HCH)	ND	0.010
				Bifenox	ND	0.010
				Bifenthrin	ND	0.010
				Bioresmethrin (resmethrin-trans)	ND	0.010
	Sample Date:	3/21/2017		Bitertanol I	ND	0.010
FM	AA Sample No:	17032222-02a		Bitertanol II	ND	0.010
Liv	an Sample No.	TOOLLE OLG		Boscalid	ND	0.010
	Date Received:	3/22/2017		Bromacil	ND	0.030
		0-11		Bromophos-ethyl	ND	0.010
-	Sample Matrix:	Soil		Bromophos-methyl	ND	0.010
				Bromopropylate	ND	0.010
		EDA 1	200000 4 0-	Bupirimate	ND	0.010
Ana	lytical Method:	FDA Import GO	C/MS/MS A - Cx	Buprofezin (z-isomer)	ND	0.010
		FDA 302		Butachlor	ND	0.010
Extra	action Method:	FDA 302		Butralin	ND	0.010
D	ate Extracted:	4/4/2017		Butylate	ND	0.030
U	ate Extracteu.	4/4/2017		Cadusafos	ND	0.010
Da	te Completed:	4/5/2017		Captafol	ND	0.010
Da	ite completeu.	4/3/2017		Captan	ND	0.030
	0			Carbaryl	ND	0.010
	Surrogate:			Carbofuran	ND	0.010
Sı.	urrogate Level:			Carbophenothion-ethyl	ND	0.010
31	urrogate Level.			Carbophenothion-methyl (methyl	ND	0.010
	Pocovorus			Carbosulfan	ND	0.030
	Recovery:				ND	0.030
				Carboxin Chlorbenzilate	ND ND	0.010
	2			District of the second		
Comm	ients:			Chlordane alpha	ND ND	0.010 0.010
				Chlordane-trans (gamma)	ND	0.010
				Chlordimeterm		
				Chlordimeform	ND	0.010 0.010
				Chlorfenapyr	ND	
				Chlorfenvinphos	ND	0.010
				Chlorobenzilate	ND	0.010
				Chloroneb	ND	0.010
				Chlorothalonil	ND	0.030
				Chlorpropham	ND	0.010
				Chlorpyrifos-ethyl	ND	0.010
D D				Chlorpyrifos-methyl	ND	0.010
R = Reported on	another Screen	ting Limit (DL)		Chlorthiophos	ND	0.010
Tolerance data to	aken from 40 CFR	§ 180. Environme	ntal Micro Analysis, Inc. makes	Clomazone	ND	0.010
no claims as to t	he accuracy of tole	erance numbers.		Coulliapilos	ND	0.010
Excess sample a	and extracts are st	ored for a minimum	of 30 days from the date of	Crotoxyphos	ND	0.010
Results relate or Samples are and Reports should r	nly to items tested. alyzed as received	arrangements poss except in full, with	out written consent by			
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pdf			(5)			

	Analytica	I Report Revised		Amount	RL
	pril 26, 2017	- 5	Analyte	ppm	ppm
			Cyanazine	ND	0.010
Client:	Jay Billings		Cyanofenphos	ND	0.010
	Northeast Geo	science	Cyanophos	ND	0.010
	97 Walnut Stre	eet	Cycloate	ND	0.030
	Clinton, MA		Cycluron	ND	0.010
DL	(978) 365-904		Cyfluthrin (Total)	ND	0.010
Phone:			Cyhalothrin (lambda)	ND	0.010
Fax:	(978) 365-937		Cymiazole	ND	0.010
Email:	jbillings@ngeo.r	iet	Cypermethrin (Total)	ND	0.010
			Cyproconazole	ND	0.010
			Cyprodinil	ND	0.010
			DCPA (dacthal, Chlorthal-dimethyl)	ND	0.010
			DDD-o,p'	ND	0.030
	Desires No.		DDD-p,p'	ND	0.010
	Project No:		DDE-o,p'	ND	0.010
			DDE-p,p'	ND	0.010
	PO No:		DDT-o,p'	ND	0.010
			DDT-p,p'	ND	0.030
			DEF (Tribufos)	ND	0.010
Clie	ent Sample ID:	S-2 (F)	Deltamethrin	ND	0.010
			Demeton-s-methyl	ND	0.030
			Desmedipham	ND	0.010
			Desmetryn	ND	0.010
			Diallate I	ND	0.030
	Sample Date:	3/21/2017	Diallate II	ND	0.010
FM	IA Sample No:	17032222-02a	Diazinon	ND	0.010
		BOARD POLICE CONTRACTOR CONTRACTO	Diazinon-oxon (diazoxon)	ND	0.010
	ate Received:	3/22/2017	Dichlofenthion	ND	0.010
	Sample Matrix:	Soil	Dichlofluanid	ND	0.030
,	bampie Matrix.	0011	Dichlorobenzonitrile, 2,6- (Dichlobenil)	ND	0.030
			Dichlorvos	ND	0.030
Anol	ytical Method:	FDA Import GC/MS/MS Cy - D	Dichloran (Dichloran)	ND	0.030
Alla	lytical Metriou.		Dicofol-o,p'	ND	0.010
Extra	action Method:	FDA 302	Dicofol-p,p' (Kelthane)	ND	0.010
LAU	ionon momou.		Dicrotofos (Dicrotophos)	ND	0.010
Da	ate Extracted:	4/4/2017	Dieldrin	ND	0.010
			Diethofencarb	ND	0.010
Da	te Completed:	4/5/2017	Difenoconazole I	ND	0.010
			Difenoconazole II	ND	0.010
	Surrogate:		Dimethachlor	ND	0.010
			Dimethoate	ND	0.010
Su	rrogate Level:		Dimethomorph I	ND	0.010
			Dimethomorph II	ND	0.010
	Recovery:		Diniconazole	ND	0.010
			Dinitramine	ND	0.030
			Dioxacarb	ND	0.030
Comm	ents:		Dioxathion	ND	0.010
			Diphenamid	ND	0.010 0.010
			Diphenylamine	ND	0.010
			Disulfoton	ND ND	0.010
			Disulfoton Sulfone	ND	0.010

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ND = None Detected at the Reporting Limit (RL)
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	Analytica April 26, 2017	l Report	Revised	Analyte	Amount ppm	RL ppm
				Edifenphos	ND	0.010
Client:	Jay Billings			Endosulfan I (alpha Isomer)	ND	0.010
	Northeast Geo	ecience		Endosulfan II (beta Isomer)	ND	0.010
	97 Walnut Stre			Endosulfan Sulfate	ND	0.010
				Endrin	ND	0.010
	Clinton, MA	01510		Endrin Aldehyde	ND	0.030
Phone:	(978) 365-904	15				
Fax:	(978) 365-937	78		EPN	ND	0.010
Email:	jbillings@ngeo.r			Epoxiconazole	ND	0.010
2.110.11	Jonningse rigeon	101		Esfenvalerate (Fenvalerate A-alpha)	ND	0.010
				Etaconazole I	ND	0.010
				Ethalfluralin (Sonalan)	ND	0.010
				Ethiofencarb	ND	0.010
				Ethiolate	ND	0.030
	Desired N			Ethion	ND	0.010
	Project No:			Ethofumesate	ND	0.010
				Ethoprophos (Ethoprop)	ND	0.030
	PO No:			Ethoxyquin	ND	0.030
				Etoxazole	ND	0.010
				Etrimfos	ND	0.010
Clie	ent Sample ID:	S-2 (F)				
Circ	ant Sample ID.	02(1)		Famoxadone	ND	0.010
				Famphur	ND	0.010
				Fenamidone	ND	0.030
				Fenamiphos (Phenamiphos)	ND	0.010
	Camula Data	2/21/2017		Fenamiphos Sulfone	ND	0.010
	Sample Date:	3/21/2017		Fenarimol	ND	0.010
EM	IA Sample No:	17032222-02a		Fenazaquin	ND	0.010
	campio i toi			Fenbuconazole	ND	0.010
D	Date Received:	3/22/2017		Fenfuram	ND	0.010
		0.0		Fenhexamid	ND	0.010
:	Sample Matrix:	Soil		Fenitrothion	ND	0.010
				Fenobucarb	ND	0.010
				Fenoxycarb	ND	0.010
Anal	lytical Method:	FDA Import GC	:/MS/MS E - H			
	The state of the s			Fenpropathrin	ND	0.010
Extra	action Method:	FDA 302		Fenpropimorph	ND	0.010
33.		5020020000		Fensulfothion	ND	0.010
Da	ate Extracted:	4/4/2017		Fenthion	ND	0.010
				Fenvalerate II	ND	0.010
Dat	te Completed:	4/5/2017		Fipronil	ND	0.010
				Flonicamid	ND	0.010
	Surrogate:			Fluchloralin	ND	0.010
				Flucythrinate I	ND	0.010
Su	rrogate Level:			Flucythrinate II	ND	0.010
				Fludioxonil	ND	0.030
	Recovery:			Fluopicolide	ND	0.010
				Fluquiniconazole	ND	0.010
				Flurenol-butyl	ND	0.010
Comm	anta.			Fluridone	ND	0.010
Comm	CIILS.			Flusilazole		0.010
					ND	
				Flutiofol	ND	0.010
				Flutriafol	ND	0.010
				Fluvalinate I	ND	0.010
				Folpet	ND	0.010
				Fonofos	ND	0.010
				Fuberidazole	ND	0.030
				Furalaxyl	ND	0.010
				Heptaclor	ND	0.010
				Heptachlor exo-epoxide (Isomer B)	ND	0.010
				Heptenophos	ND	0.010
R = Reported on	another Screen			Hexachlorobenzene	ND	0.030
ND = None Detect	cted at the Report	ing Limit (RL)		Hexaconazole	ND	0.010
no claime as to the	aken from 40 CFR	§ 180. Environmer	ntal Micro Analysis, Inc. makes	Hexythiazox	ND	0.030
Fxcess sample a	ne accuracy of tole	rance numbers.	of 30 days from the date of	yılıuzun	ND	0.000
analytical report	Special storage a	rrangements nossil	nle .			
Results relate on	ly to items tested.					
Samples are ana	llyzed as received.	overet in full sulti-	ut written consent by			
Environmental M	icro Analysis, Inc.	except in full, witho	ut writteri consent by			
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Woodland, CA 95776

Analyte

RL

Amount

Analy	vtical	Report	Revised
Allal	LIGAI	ILCPOIL	INCAIRCA

April 26, 2017 Client: Jay Billings Northeast Geoscience 97 Walnut Street Clinton, MA 01510 (978) 365-9045 Phone: (978) 365-9378 Fax: Email: jbillings@ngeo.net

Project No:

PO No:

Client Sample ID: S-2 (F)

Sample Date: 3/21/2017 17032222-02a EMA Sample No: Date Received: 3/22/2017 Sample Matrix: Soil

Analytical Method: FDA Import GC/MS/MS I - Pd

Extraction Method: FDA 302

Date Extracted: 4/4/2017

Date Completed: 4/5/2017

Surrogate:

Surrogate Level:

Recovery:

Comments:

Analyte	ppm	ppm
Imazalil	ND	0.030
Indoxacarb	ND	0.010
Iprobenfos	ND	0.030
Iprodione	ND	0.030
Isocarbamid (Isocarbamide)	ND	0.010
Isocarbophos	ND	0.010
Isodrin	ND	0.010
Isofenphos	ND	0.010
Isoprocarb	ND	0.010
Isopropalin	ND	0.010
Isoprothiolane	ND	0.030
Isoproturon	ND	0.030
Kresoxim-methyl	ND	0.010
Lenacil	ND	0.010
Leptophos	ND	0.010
Linuron	ND	0.010
Malaoxon (metabolite of Malathion)	ND	0.010
Malathion	ND	0.010
Mecarbam	ND	0.010
Mepanipyrim	ND	0.010
Mepronil	ND	0.010
Metalaxyl	ND	0.010
Metaldehyde	ND	0.030
Methidathion	ND	0.010
Methiocarb	ND	0.010
Methoprene	ND	0.030
Methoprotryne	ND	0.010
Methoxychlor, o,p'-	ND	0.010
Methoxychlor, p,p'-	ND	0.010
Metolachlor	ND	0.010
Metolcarb	ND	0.030
Metrafenone	ND	0.010
Metribuzin	ND	0.010
Mevinphos	ND	0.030
Mexacarbate	ND	0.010
MGK-264	ND	0.010
Mirex	ND	0.010
Molinate	ND	0.030
Monocrotophos	ND	0.030
Monolinuron	ND	0.010
Myclobutanil	ND	0.010
Naled	ND	0.030
Naphthaleneacetamide, 1-	ND	0.010
Napropamide	ND	0.010
Nicotine	ND	1.000
Nitrofen	ND	0.010
Nitrothal-isopropyl	ND	0.010
Nonachlor, cis-	ND	0.010
Nonachlor, Trans-	ND	0.010
Nuarimol	ND	0.010
Omethoate	ND	0.010
Oxadiazon	ND	0.010
Oxadixyl	ND	0.010
Oxyflurofen	ND	0.030
Paclobutrazole	ND	0.030
Paraoxon-ethyl	ND	0.010
Paraoxon-methyl	ND	0.010
Parathion-ethyl	ND	0.010
Parathion-methyl	ND	0.010

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

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_ Reviewed by:

Sonald a Peters

Don Peterson, Laboratory Director

F	Analytica	Report Revised		Amount	RL
	pril 26, 2017	0	Analyte	ppm	ppm
			Penconazole	ND	0.010
Client:	Jay Billings		Pendimethalin (Penoxaline)	ND	0.010
	Northeast Geo	science	Pentachloroaniline	ND	0.010
	97 Walnut Stre		Pentachloroanisole	ND ND	0.010
	Clinton, MA	01510	Pentachlorobenzonitrile Pentachlorothioanisole	ND	0.010 0.010
Phone:	(978) 365-904	5	Peopiconazole	ND	0.010
Fax:	(978) 365-937	78	Permethrin I	ND	0.010
Email:	jbillings@ngeo.r	net	Permethrin II (trans)	ND	0.010
			Phenothrin I	ND	0.010
			Phenothrin II	ND	0.010
			Phenthoate	ND	0.010
			Phenylphenol, 2-	ND	0.010
	Project No:		Phorate	ND	0.010
	Froject No.		Phorate sulfone	ND	0.010
	DO No.		Phorate sulfoxide	ND	0.010
	PO No:		Phosalone	ND	0.010
			Phosmet	ND	0.010
Clio	ent Sample ID:	S-2 (F)	Phosmet oxon	ND ND	0.030
Cile	ant Sample ID.	0-2(1)	Phosphamidon I Phosphamidon II	ND	0.010
			Piperonyl Butoxide	ND	0.010
			Pirimicarb	ND	0.010
			Pirimiphos-ethyl	ND	0.010
	Sample Date:	3/21/2017	Pirimiphos-methyl	ND	0.010
FM	A Sample No:	17032222-02a	Prochloraz	ND	0.010
	a contamonation of the second		Procymidone	ND	0.010
D	ate Received:	3/22/2017	Prodiamine	ND	0.030
9	Sample Matrix:	Soil	Profenofos	ND	0.010
	oumpio indenia		Profluralin	ND	0.010
			Promecarb	ND	0.010
Anal	ytical Method:	FDA Import GC/MS/MS Pe - So	Prometon	ND ND	0.010
	-	FD 4 000	Prometryn Pronamide (Propyzamide)	ND	0.010
Extra	ction Method:	FDA 302	Propachlor	ND	0.010
Da	ate Extracted:	4/4/2017	Propanil	ND	0.010
			Propargite	ND	0.010
Dat	te Completed:	4/5/2017	Propetamphos	ND	0.010
	-		Propham	ND	0.030
	Surrogate:		Propiconazole I Propiconazole II	ND ND	0.010
Su	rrogate Level:		Propoxur	ND	0.010
Ou	irrogate Level.		Pyracarbolid	ND	0.010
	Recovery:		Pyraclostrobin	ND	0.030
	•		Pyrazophos	ND	0.010
			Pyridaben	ND	0.010
Comm	ents:		Pyridaphenthion	ND	0.010
			Pyrifenox I	ND	0.010
			Pyrifenox II	ND	0.010
			Pyrimethanil	ND	0.010
			Pyriproxyfen Quinalphos	ND ND	0.010 0.010
			Quinaipnos Quinoxyfen	ND	0.010
			Quintoxylen	ND	0.010
			Resmethrin -cis (cismethrin)	ND	0.010
			Ronnel (Fenchlorphos)	ND	0.010
			Secbumeton	ND	0.010
			Simazine	ND	0.010
	another Screen cted at the Report	ing Limit (RL)	Simetryn	ND	0.010

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Analytica	al Report	Revised
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Analytica April 26, 2017	al Report Revised	Analyte	Amount ppm	RL ppm
		Spirodiclofen	ND	0.030
Client: Jay Billings		Spiromesifen	ND	0.030
Northeast Ge	oscience	Spiroxamine I	ND	0.010
97 Walnut Str		Spiroxamine II	ND	0.010
Clinton, MA	7.7.7	Sulfotep	ND	0.010
		Sulprofos	ND	0.030
Phone: (978) 365-90		Tebuconazole	ND	0.010
Fax: (978) 365-93		Tebufenpyrad	ND	0.010
Email: jbillings@ngeo.	net	Tebupirimfos	ND	0.010
		Tebutam	ND	0.010
		Tebuthiuron	ND	0.010
		Tecnazene (TCNB)	ND	0.010
		Tefluthrin, cis-	ND	0.010
		Terbacil	ND	0.010
Project No:		Terbufos	ND	0.010
		Terbumeton	ND	0.030
PO No:		Terbuthylazine	ND	0.030
		Tetrachloraniline, 2,3,5,6-	ND	0.010
		Tetrachlorvinphos, e-isomer	ND	0.010
Client Sample ID:	S-2 (F)	Tetraconazole	ND	0.010
		Tetradifon	ND	0.010
		Tetrahydrophthalimide, cis-1,2,3,6-	ND	0.010
		Tetrahydrophthalimide, cis-Delta 4-	ND	0.030
	- 10- 100-	Tetramethrin I	ND	0.010
Sample Date:	3/21/2017	Tetramethrin II	ND	0.010
EMA Sample No:	17032222-02a	Thiabendazole	ND	0.030
		Thiamethoxam	ND	0.010
Date Received:	3/22/2017	Thionazin	ND	0.030
Sample Matrix:	Soil	Tolclofos-methyl	ND	0.010
Sample Matrix.		Tolylfluanid	ND	0.010
		Triadimefon	ND	0.010
Analytical Method:	FDA Import GC/MS/MS Sp - Z	Triadimenol	ND	0.010
Analytical Method.		Triazophos	ND	0.010
Extraction Method:	FDA 302	Tricyclazole	ND	0.030
		Trifloxystrobin	ND	0.010
Date Extracted:	4/4/2017	Triflunizole	ND	0.010
		Trifluralin	ND	0.010
Date Completed:	4/5/2017	Trimethacarb, 2,3,5-	ND	0.010
		Trimethacarb, 3,4,5-	ND	0.010
Surrogate:		Trimidal (Nuarimol)	ND ND	0.010
		Triticonazole		

Triticonazole

Vernolate

Vinclozolin

Comments:

Surrogate Level:

Recovery:

R = Reported on another Screen
ND = None Detected at the Reporting Limit (RL)
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Date: __04/13/17

Reviewed by: _

Jonald a. Peterso

ND

ND

ND

0.010

0.030

0.010

A	Analytica	Report Revised	Accelora	Amount	RL
Α	pril 26, 2017		Analyte	ppm	ppm
			3-Hydroxycarbofuran	ND	0.010
Client:	Jay Billings		Acephate	ND	0.010
	Northeast Geo	science	Acetamiprid	ND	0.010
	97 Walnut Stre		Acetochlor	ND ND	0.010 0.010
	Clinton, MA	01510	Acibenzolar-S-methyl Alanycarb	ND	0.010
Phone:	(978) 365-904	5	Aldicarb-sulfone	ND	0.010
Fax:	(978) 365-937	8	Aldicarb-sulfoxide	ND	0.010
Email:	jbillings@ngeo.n	net	Ametryn	ND	0.010
			Amicarbazone	ND	0.010
			Aminocarb	ND	0.010
			Aspon	ND	0.010
			Atrazine	ND	0.010
	Project No:		Avermectin Ba	ND	0.010
	i ioject ivo.		Azinphos-methyl	ND	0.010
	PO No:		Azoxystrobin	ND	0.010
	FO NO.		Benalaxyl Bendiocarb	ND ND	0.010 0.010
			Bendiocarb Benfuracarb	ND	0.010
Clie	ent Sample ID:	S-2 (F)	Bensulide	ND	0.010
00	are completion		Benzoximate	ND	0.010
			Bifenazate	ND	0.010
			Bitertanol	ND	0.010
		0/04/0047	Boscalid	ND	0.010
	Sample Date:	3/21/2017	Bromuconazole (isomer)	ND	0.010
EM	A Sample No:	17032222-02a	Bupirimate	ND	0.010
-	·	2/00/0047	Buprofezin	ND	0.010
D	ate Received:	3/22/2017	Butafenacil	ND	0.010
5	Sample Matrix:	Soil	Butocarboxim	ND ND	0.010 0.010
			Carbaryl Carbendazim	ND	0.010
			Carbetamide	ND	0.010
Anal	ytical Method:	FDA Import LC/MS/MS A-C	Carbofuran	ND	0.010
F		FDA 302	Carbosulfan	ND	0.010
Extra	action Method:	1 54 002	Carboxine	ND	0.010
Da	ate Extracted:	4/4/2017	Carfentrazone-ethyl	ND	0.010
			Chlorantraniliprole	ND	0.010
Dat	te Completed:	4/5/2017	Chlordimeform	ND	0.010
			Chlorfenvinphos	ND	0.010
	Surrogate:		Chlorfluazuron	ND	0.010
C.			Chloroxuron	ND ND	0.010 0.010
50	irrogate Level:		Chlorpyrifos Chlorpyrifos-methyl	ND	0.010
	Recovery:		Chlortoluron	ND	0.010
	necovery.		Clethodim	ND	0.010
			Clofentezine	ND	0.010
Comm	ents:		Clothianidin	ND	0.010
			Coumaphos	ND	0.010
			Cumyluron	ND	0.010
			Cyanazine	ND	0.010
			Cyazofamid	ND	0.010
			Cycluron Cyflufenamid	ND ND	0.010 0.010
			Cyhexatin	ND	0.010
			Cymoxanil	ND	0.010
			Cyproconazole (isomer)	ND	0.010
			Cyprodinil	ND	0.010
			Cyromazine	ND	0.010
Panortad on	another Screen				

R = Reported on another Screen
ND = None Detected at the Reporting Limit (RL)
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> RL ppm 0.010

	Analytica pril 26, 2017	l Report	Revised	Analyte	Amount ppm
				Daimuron	ND
Client:	Jay Billings			Diafenthiuron	ND
	Northeast Geo	science		Diazinon	ND
	97 Walnut Stre			Dichlorvos	ND
	Clinton, MA			Diclobutrazol	ND
				Dicrotophos	ND
Phone:	(978) 365-904			Diethofencarb	ND
Fax:	(978) 365-937	' 8		Difenoconazole	ND
Email:	jbillings@ngeo.r	net		Diflubenzuron	ND
				Dimethenamide	ND
				Dimethoate	ND
				Dimethomorph	ND
				Dimoxystrobin	ND
				Diniconazole	ND
	Project No:			Dioxacarb	ND
				Diuron	ND
	PO No:			DMST	ND
				DNOC	ND
				Dodine	ND
Clie	nt Sample ID:	S-2 (F)		Doramectin	ND
Cilc	int Sample ID.	0 = (.)		Emamectin Ba	ND
				Epoxiconazole	ND
				Eprinomectin	ND
				Esprocarb	ND
	Sample Date:	3/21/2017		Ethidimuron	ND
				Ethiofencarb	ND
EM	A Sample No:	17032222-02a		Ethiofencarb-sulfoxide	ND
D	ate Received:	3/22/2017		Chi di A	ND ND
D	ate Received.	3/2/2017		Ethion	ND
5	Sample Matrix:	Soil		Ethiprole	ND
	CONTRACTOR DOCUMENT OF THE PROPERTY OF THE PRO			Ethirimol	
				Ethofumesate	ND ND
Anal	ytical Method:	FDA Import LC	MS/MS D-F	Ethoprop	ND
	•			Etobenzanid	ND ND
Extra	ction Method:	FDA 302		Etoxazole	ND ND
_				Famoxadone	ND
Da	ate Extracted:	4/4/2017		Fenamidone	
-				Fenarimol	ND
Dat	e Completed:	4/5/2017		Fenazaquin	ND
	50			Fenbuconazole	ND
	Surrogate:			Fenbutatin Oxide	ND
2				Fenhexamid	ND
Su	rrogate Level:			Fenobucarb	ND
	_			Fenoxycarb	ND
	Recovery:			Fenpropimorph	ND
				Fenpyroximate	ND
				Fenuron	ND
Commo	ents:			Flonicamid	ND
				Fluazifop-butyl	ND
				Flubendiamide	ND
				Fludioxinil	ND
				Flufenacet	ND
				Flufenoxuron	ND
				Fluometuron	ND
				Fluopicolide	ND
				Fluoxastrobin	ND
				Fluquinconazole	ND
				Flusilazole	ND
8				Flutolanil	ND
R = Reported on	another Screen	ing Limit (DL)		Flutriafol	ND
Tolerance data ta	ken from 40 CFR	ng Limit (HL) 8 180. Environmen	tal Micro Analysis, Inc. makes	Fomesafen	ND
no claims as to th	e accuracy of tole	rance numbers.		Forchlorfenuron	ND
Excess sample at	nd extracts are sto	red for a minimum (of 30 days from the date of	Formetanate	ND
analytical report. Results relate onl	opecial storage a	rrangements possib	ile.	Fuberidazole	ND
Samples are anal	vzed as received.			Furalaxyl	ND
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pdf	2. 0000 17020				
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Date: 04/13/17 Reviewed by: ___

Joseph a Polario Don Peterson, Laboratory Director

0.010 0.010 0.010 0.010 0.010 0.010

	Analytica	Report Revised		Amount	RL
	April 26, 2017		Analyte	ppm	ppm
5.2			Halofenozide	ND	0.010
Client:	Jay Billings		Hexaflumuron	ND	0.010
	Northeast Geo		Hexazinone	ND ND	0.010 0.010
	97 Walnut Stre		Hexythiazox Hydramethylnon	ND	0.010
	Clinton, MA		Imazalil	ND	0.010
Phone:	(978) 365-904		Imazapyr	ND	0.010
Fax:	(978) 365-937		Imazethapyr	ND	0.010
Email:	jbillings@ngeo.r	net	Imibenconazole	ND	0.010
			Imidacloprid	ND	0.010
			Indoxacarb	ND	0.010
			Ipconazole	ND	0.010
			Iprovalicarb Isocarbamid	ND ND	0.010 0.010
	Project No:		Isofenphos	ND	0.010
	. In the second of the second		Isoprocarb	ND	0.010
	PO No:		Isoprothiolane	ND	0.010
			Isoproturon	ND	0.010
			Ivermectin	ND	0.010
Clie	ent Sample ID:	S-2 (F)	Kresoxim-methyl	ND	0.010
			Lactofen	ND	0.010
			Linuron	ND	0.010
			Malathion	ND	0.010
	Sample Date:	3/21/2017	Mandipropamid	ND ND	0.010 0.010
			Mefenacet Mepanipyrim	ND	0.010
EM	AA Sample No:	17032222-02a	Mepronil	ND	0.010
[Date Received:	3/22/2017	Metaflumizone	ND	0.010
	CI- M-4 :	C-II	Metalaxyl	ND	0.010
	Sample Matrix:	Soil	Metconazole	ND	0.010
			Methamidophos	ND	0.010
Λna	lytical Method:	FDA Import LC/MS/MS H-O	Methfuroxam	ND	0.010
Allu	iyilcai Mctiloa.	•	Methidathion	ND	0.010
Extr	action Method:	FDA 302	Methiocarb	ND ND	0.010 0.010
		4/4/0017	Methomyl Methoprotryne	ND	0.010
U	ate Extracted:	4/4/2017	Methoxyfenozide	ND	0.010
Da	te Completed:	4/5/2017	Metobromuron	ND	0.010
	te completed.	70/2017	Metolachlor	ND	0.010
	Surrogate:		Metoxuron	ND	0.010
	_		Metrafenone	ND	0.010
Sı	urrogate Level:		Metribuzin	ND	0.010
			Metsulfuron-methyl	ND ND	0.010
	Recovery:		Mevinphos Mexacarbate	ND	0.010 0.010
			Molinate	ND	0.010
Comm	onte:		Monocrotophos	ND	0.010
Comm	ionio.		Monolinuron	ND	0.010
			Moxidectin	ND	0.010
			Myclobutanil	ND	0.010
			Napropamide	ND	0.010
			Neburon	ND	0.010
			Nitenpyram	ND ND	0.010 0.010
			Novaluron Omethoate	ND	0.010
			Oxamyl	ND	0.010
			Oxadixyl	ND	0.010
			Aparticular of the second of t		

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ND = None Detected at the Reporting Limit (RL)
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	Analytica	al Report	Revised		Amount	RL
A	April 26, 2017	-		Analyte	ppm	ppm
				Pencycuron	ND	0.010
Client:	Jay Billings			Pendimethalin	ND	0.010
	Northeast Ged	oscience		Phorate	ND	0.010
	97 Walnut Str	Declaration of the second control of the sec		Phosmet Phoxim	ND ND	0.010 0.010
	Clinton, MA			Picoxystrobin	ND	0.010
Phone:	(978) 365-904			Piperonyl butoxide	ND	0.010
Fax:	(978) 365-937			Pirimicarb	ND	0.010
Email:	jbillings@ngeo.i	net		Pirimiphos-methyl	ND	0.010
				Prochloraz	ND	0.010
				Promecarb Prometon	ND ND	0.010 0.010
				Prometryn	ND	0.010
				Propachlor	ND	0.010
	Project No:			Propamocarb	ND	0.010
	DO N			Propargite	ND	0.010
	PO No:			Propazine	ND	0.010
				Propham Propiconazole	ND ND	0.010 0.010
Clie	ent Sample ID:	S-2 (F)		Propoxur	ND	0.010
00	in campions:			Propyzamide	ND	0.010
				Pymetrozin	ND	0.010
				Pyracarbolid	ND	0.010
	Sample Date:	3/21/2017		Pyraclostrobin	ND	0.010
				Pyridaben	ND ND	0.010 0.010
EM	IA Sample No:	17032222-02a		Pyridaphenthion Pyrimethanil	ND	0.010
D	ate Received:	3/22/2017		Pyriproxyfen	ND	0.010
	Sample Matrixe	Soil		Quinoxyfen	ND	0.010
	Sample Matrix:	3011		Sebuthylazine	ND	0.010
				Secbumeton	ND	0.010
Anal	lytical Method:	FDA Import LC	/MS/MS P-Trid	Sethoxydim Siduron	ND ND	0.010
		FDA 302		Simazine	ND	0.010
Extra	action Method:	FDA 302		Simetryn	ND	0.010
Da	ate Extracted:	4/4/2017		Spinetoram-J +L	ND	0.010
				Spinosad	ND	0.010
Dat	te Completed:	4/5/2017		Spirodiclofen Spiromecifen	ND ND	0.010 0.010
	Currogata			Spirottetramat	ND	0.010
	Surrogate:			Spiroxamine	ND	0.010
Su	rrogate Level:			Sulfentrazone	ND	0.010
				Tebuconazole	ND	0.010
	Recovery:			Tebufenozide	ND ND	0.010 0.010
				Tebufenpyrad Tebuthiuron	ND	0.010
Comm	ontc•			Temephos	ND	0.010
Commi	ciits.			Tepraloxydim	ND	0.010
				Terbumeton	ND	0.010
				Terbutryn	ND	0.010
				Tetraconazole Thiabendazole	ND ND	0.010
				Thiacloprid	ND	0.010
				Thiamethoxam	ND	0.010
				Thidiazuron	ND	0.010
				Thiobencarb	ND	0.010
				Thiofanox	ND	0.010
R = Reported on	another Screen			Thiophanate-methyl (Carbendazim) Triadimefon	ND ND	0.010 0.010
ND = None Detect	cted at the Report	ing Limit (RL)	1.000 F 1.7 F	Triadimenol	ND	0.010
Tolerance data ta	aken from 40 CFR ne accuracy of tole	§ 180. Environmer rance numbers.	ntal Micro Analysis, Inc. makes	Triazophos	ND	0.010
Excess sample a	nd extracts are sto	red for a minimum	of 30 days from the date of	Tricyclazole	ND	0.010
Results relate on	ly to items tested.	rrangements possit	ole.	Tridemorph	ND	0.010
Samples are ana	lyzed as received.		ut written consent by			
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Date: __04/13/17

_ Reviewed by: _

Joseph a Pelocop Don Peterson, Laboratory Director

RL

Amount

Analytical Report Revised

Analyte April 26, 2017 ppm ppm Trifloxystrobin ND 0.010 Client: Jay Billings 0.010 Triflumizole ND Triflumuron ND 0.010 **Northeast Geoscience** 97 Walnut Street Triflusulfuron-methyl ND 0.010 Clinton, MA 01510 Triphenyl Phosphate ND 0.010 Triticonazole ND 0.010 (978) 365-9045 Phone: Uniconazole ND 0.010 (978) 365-9378 Fax: Vamidothion ND 0.010 jbillings@ngeo.net Email: Zoxamide ND 0.010

Project No:

PO No:

Client Sample ID: S-2 (F)

Sample Date: 3/21/2017

EMA Sample No: 17032222-02a

Date Received: 3/22/2017

Sample Matrix: Soil

Analytical Method: FDA Import LC/MS/MS Trif-Z

Extraction Method: FDA 302

Date Extracted: 4/4/2017

Date Completed: 4/5/2017

Surrogate:

Surrogate Level:

Recovery:

Comments:

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ND = None Detected at the Reporting Limit (RL)
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no claims as to the accuracy of tolerance numbers.
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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 Revised

April 26, 2017

Client: Jay Billings

Northeast Geoscience 97 Walnut Street Clinton, MA 01510

(978) 365-9045 Phone: (978) 365-9378 Fax: Email: jbillings@ngeo.net

Analyte	Amount ppm	RL ppm
Ferbam	ND	0.030
Maneb (Dithane M-22)	ND	0.030
Mancozeb	ND	0.030
Metiram	ND	0.030
Nabam	ND	0.030
Thiram	ND	0.030
Zineb	ND	0.030
Ziram	ND	0.030

Project No:

PO No:

Client Sample ID: S-2 (F)

Sample Date: 3/21/2017 EMA Sample No: 17032222-02a Date Received: 3/22/2017 Sample Matrix: Soil

Analytical Method: EBDC Screen

Extraction Method: CDFA

Date Extracted: 3/31/2017

Date Completed: 3/31/2017

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. 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

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_ Don Peterson, Laboratory Director

Page: 29 of 136

Amount RL

Analytical Report Revised

Α	pril 26, 2017	Analyte	ppm	ppm
		2, 4 - D	ND	0.250
Client:	Jay Billings	2, 4 -DB	ND	0.250
	Northeast Geoscience	2, 4, 5 - T	ND	0.130
	97 Walnut Street	2, 4, 5 -TP	ND	0.130
	Clinton, MA 01510	Dicamba	ND	0.130
Dhanas	(978) 365-9045	Dichloroprop	ND	0.130
Phone:	Account of a series and a series of the seri	Bentazon	ND	0.250
Fax:	(978) 365-9378	MCPA	ND	0.250
Email:	jbillings@ngeo.net	MCPP	ND	0.250
		Triclopyr	ND	0.250

Project No:

PO No:

Client Sample ID: S-2 (F)

Sample Date: 3/21/2017
EMA Sample No: 17032222-02a
Date Received: 3/22/2017
Sample Matrix: Soil

Analytical Method: EPA 8151A (s)
Extraction Method: EPA 8151A

Date Extracted: 4/4/2017

Date Completed: 4/10/2017

Surrogate: DCAA

Surrogate Level: 0.2 mg/Kg

Recovery: 95.7

Comments:

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ND = None Detected at the Reporting Limit (RL)
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Analytica April 26, 2017	al Report Revised	Analyte	Amount ppm	RL ppm
		a, b, d-BHC	ND	0.010
Client: Jay Billings		Alachlor	ND	0.020
Northeast Ge	oscience	Aldrin	ND	0.010
97 Walnut Str	E. E. C.	Benfluralin	ND	0.020
Clinton, MA		Bifenox	ND	0.050
		Boscalid	ND	0.020
Phone: (978) 365-904		Bromacil	ND	0.040
Fax: (978) 365-93		Captafol	ND	0.040
Email: jbillings@ngeo.	net	Captan	ND	0.020
		Chlordane (sum of Isomers)	ND	0.020
		Chlorfenapyr	ND	0.040
		Chlorobenzilate	ND	0.040
		Chlorothalonil	ND	0.010
		Cyanazine	ND	0.100
Project No:		Dacthal	ND	0.020
		DDD	ND	0.020
PO No:		DDE	ND	0.020
		DDT	ND	0.020
		Dichlobenil	ND	0.030
Client Sample ID:	S-2 (F)	Dichlone	ND	0.050
		Dicloran	ND	0.020
		Dicofol	ND	0.050
		Dieldrin	ND	0.010
		Endosulfan alpha	ND	0.010
Sample Date:	3/21/2017	Endosulfan beta	ND	0.010
EMA Sample No:	17032222-02a	Endosulfan sulfate	ND	0.010
EMA Sample No.	17032222-028	Endosulfans (Total)	ND	0.010
Date Received:	3/22/2017	Endrin	ND	0.010
	• "	Ethafluralin	ND	0.030
Sample Matrix:	Soil	Fenhexamid	ND	0.030
		Folpet	ND	0.050
	OC Screen	Heptachlor	ND	0.010
Analytical Method:	OC Screen	Heptachlor epoxide	ND	0.020
	CDFA	Hexachlorobenzene	ND	0.010
Extraction Method:	obi A	Indoxacarb	ND	0.030
Date Extracted:	4/4/2017	Iprodione	ND	0.050
Date Extracted.		Lindane (gamma-BHC)	ND	0.010
Date Completed:	4/5/2017	Linuron	ND	0.150
Date completion		Methoxychlor	ND	0.050
Surrogate:	Dibutylchlordenate	Metribuzin	ND	0.020
currogute.	Dibatylomorachate	Mirex	ND	0.020
Surrogate Level:	0.013 ppm	Myclobutanil	ND	0.050
	, ,	Oxadiazon	ND	0.050
Recovery:	83.6	Oxyfluorfen	ND	0.040
		Pendimethalin	ND	0.050
		Pentachloronitrobenzene (PCNB)	ND	0.020
Comments:		Pentachloroanaline (PCA)	ND	0.010
oonmionto.		Perthane	ND	0.100
		Polychlorinated Biphenyls	ND	0.250
		Procymidone	ND	0.020
		Profluralin	ND	0.020
		Pronamide	ND	0.050
		Propanil	ND	0.050
		Tetradifon	ND	0.020
		Toxaphene	ND	0.250
		Triadimefon	ND	0.020
		Trifloxystrobin	ND	0.030
		Triflumazole	ND	0.050
R = Reported on another Screen	the Minds (DL)	Trifluralin	ND	0.020
ND = None Detected at the Report	ing Limit (RL) § 180. Environmental Micro Analysis, Inc. makes	Vegadex (Diethyldithiocarbamic Acid)	ND	0.050
no claims as to the accuracy of tole	rance numbers.	Vinclozolin	ND	0.020
Excess sample and extracts are sto	ored for a minimum of 30 days from the date of	Dithiopyr	ND	0.020
analytical report. Special storage a Results relate only to items tested.	rrangements possible.	Norflurazon	ND	0.020
Samples are analyzed as received. Reports should not be reproduced, Environmental Micro Analysis, Inc.	except in full, without written consent by			
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Jonald a Pataro Don Peterson, Laboratory Director

Analytical Report Revised

April 26, 2017

Client: Jay Billings

Northeast Geoscience 97 Walnut Street Clinton , MA 01510

Phone: (978) 365-9045 Fax: (978) 365-9378 Email: jbillings@ngeo.net

Analyte	Amount ppm	RL ppm
Bifenthrin	ND	0.020
Cyfluthrin	ND	0.040
Cypermethrin	ND	0.040
Deltamethrin	ND	0.020
Esfenvalerate	ND	0.030
Fenpropathrin	ND	0.010
Fluvalinate	ND	0.040
lambda Cyhalothrin	ND	0.010
Permethrin	ND	0.100
Tralomethrin	ND	0.020
Pyrethrins (Total)	ND	0.050

Project No:

PO No:

Client Sample ID: S-2 (F)

 Sample Date:
 3/21/2017

 EMA Sample No:
 17032222-02a

 Date Received:
 3/22/2017

Sample Matrix: Soil

Analytical Method: Pyrethroid Screen

Extraction Method: CDFA

Date Extracted: 4/4/2017

Date Completed: 4/5/2017

Surrogate: Dibutylchlordenate

Surrogate Level: 0.013 ppm

Recovery: 83.6

Comments:

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Analytical	Report	Revised
April 26 2017		

April 20, 2017	
Jay Billings Northeast Geoscience	
Clinton, MA 01510	
(978) 365-9045	
(978) 365-9378	
jbillings@ngeo.net	
	Jay Billings Northeast Geoscience 97 Walnut Street Clinton , MA 01510 (978) 365-9045 (978) 365-9378

Project No:				
PO No:				
Client Sample ID:	S-2 (F)			

Sample Date:	3/21/2017
EMA Sample No:	17032222-02b
Date Received:	3/22/2017
Sample Matrix:	Soil

Analytical Method:	OP Screen
Extraction Method:	CDFA
Date Extracted:	4/4/2017
Date Completed:	4/5/2017

Surrogate:	Triphenylphosphate
Surrogate Level:	0.067 ppm

Recovery: 10

Analyte	Amount ppm	RL ppm
Acephate	ND	0.020
Azinphos-methyl	ND	0.050
Bolstar	ND	0.030
Bensulide	ND	0.050
Carbofenothion	ND	0.020
Chlorfenvinphos	ND	0.030
Chlorpyrifos	ND	0.020
Chlorpyrifos-methyl	ND	0.030
Ciodrin	ND	0.050
Coumaphos	ND	0.050
DEF	ND	0.050
Demeton (Systox) O/S Analogues	ND	0.040
Diazinon	ND	0.030
Dibrom	ND	0.050
Dichlorvos	ND	0.030
Dicrotophos	ND	0.020
Dimethoate	ND	0.020
Disulfoton	ND	0.020
EPN	ND	0.020
Ethion	ND	0.030
Ethoprop	ND	0.050
Fenamiphos	ND	0.020
Fenitrothion	ND	0.030
Fenthion	ND	0.020
Fonofos	ND	0.040
Isofenphos	ND	0.030
Malathion	ND	0.020
Metasystox-R	ND	0.050
Methamidophos	ND	0.030
Methidathion	ND	0.030
Methyl Parathion	ND	0.030
Mevinphos	ND	0.050
O-methoate	ND	0.050
Parathion	ND	0.040
Phorate	ND	0.050
Phosalone	ND	0.050
Phosmet	ND	0.030
Phosphamidon	ND	0.020
Pyrimiphos-methyl	ND	0.050
Profenofos	ND	0.020
Propetamphos	ND	0.020
Ronnel	ND	0.030
Tetrachlorvinphos	ND	0.020
Thionazin	ND	0.020

Comments:

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ND = None Detected at the Reporting Limit (RL)
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Analytical Report Revised April 26, 2017

,	April 26, 2017	
Client:	Jay Billings	
	Northeast Geoscience	
	97 Walnut Street	
	Clinton, MA 01510	
Phone:	(978) 365-9045	
Fax:	(978) 365-9378	
Email:	jbillings@ngeo.net	

Project	No
---------	----

PO No:

Client Sample ID: S-2 (F)

Sample Date:	3/21/2017
EMA Sample No:	17032222-02b
Date Received:	3/22/2017
Sample Matrix:	Soil

Analytical Method: ON Screen

Extraction Method: CDFA

Date Extracted: 4/4/2017

Date Completed: 4/5/2017

Surrogate: Triphenylphosphate

Surrogate Level: 0.067 ppm

Recovery: 104

Comments:

Analyte	Amount ppm	RL ppm
Acetamipride	ND	0.050
Atrazine	ND	0.030
Azoxystrobin	ND	0.030
Benthiocarb	ND	0.050
Cyanazine	ND	0.050
Cyromazine	ND	0.050
Cyprodinil	ND	0.050
Dimethomorph	ND	0.050
Diphenyl Amine	ND	0.050
Fenamidone	ND	0.050
Fenbuconazole	ND	0.050
Fipronil	ND	0.050
Fludioxinil	ND	0.050
Hexazinone	ND	0.050
Imazalil	ND	0.050
Kresoxim Methyl	ND	0.050
Metalaxyl	ND	0.050
Metolachlor	ND	0.050
Metribuzin	ND	0.050
Molinate	ND	0.050
Myclobutanil	ND	0.050
Prometon	ND	0.050
Prometryne	ND	0.050
Propamocarb	ND	0.050
Propiconazole	ND	0.050
Pymetrozine	ND	0.050
Pyraclostrobin	ND	0.050
Pyriproxifen	ND	0.050
Sethoxydim	ND	0.050
Simazine	ND	0.050
Tebuconazole	ND	0.050
Terbacil	ND	0.050
Thiabendazole	ND	0.050
Desethyl Atrazine	ND	0.050

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

	Analytica pril 26, 2017	l Report	Revised	Analyte	Amount ppm	RL ppm
				Acephate	ND	0.030
Client:	Jay Billings			Acetamiprid	ND	0.030
	Northeast Geo	science		Acrinathrin	ND	0.010
	97 Walnut Stre			Adiisopropylnaphthalene, 2,6- (DIPN,	ND	0.010
	Clinton, MA			Alachlor	ND	0.010
Dhana	(978) 365-904			Aldrin	ND	0.010
Phone:				Allethrin	ND	0.010
Fax:	(978) 365-937			Ametryn	ND	0.010
Email:	jbillings@ngeo.r	iet		Aminocarb	ND	0.010
				Atrazine	ND	0.010
				Azinphos-methyl	ND	0.010
				Azoxystrobin	ND	0.010
				Benalaxyl	ND	0.010
	Project No:			Azoxystrobin	ND	0.010
	i roject ivo.			Bendiocarb	ND	0.010
	DO No.			Benfluralin	ND	0.010
	PO No:			Benoxacor	ND	0.010
				BHC-alpha (Benzene	ND	0.010
Clies	at Cample ID:	S-3 (G)		BHC-beta	ND	0.010
Cilei	nt Sample ID:	3-3 (d)		BHC delta	ND ND	0.010 0.010
				BHC-gamma (Lindane, gamma HCH) Bifenox	ND	0.010
				Bifenthrin	ND	0.010
				Bioresmethrin (resmethrin-trans)	ND	0.010
9	Sample Date:	3/21/2017		Bitertanol I	ND	0.010
		47000000 00-		Bitertanol II	ND	0.010
EM/	A Sample No:	17032222-03a		Boscalid	ND	0.010
D:	ate Received:	3/22/2017		Bromacil	ND	0.030
-				Bromophos-ethyl	ND	0.010
S	ample Matrix:	Soil		Bromophos-methyl	ND	0.010
				Bromopropylate	ND	0.010
		EDA Import GC	MEMEA CY	Bupirimate	ND	0.010
Analy	tical Method:	FDA Import GC	/WIS/WIS A - CX	Buprofezin (z-isomer)	ND	0.010
Evtra	ction Method:	FDA 302		Butachlor	ND	0.010
EXIIA	ction Method.	1		Butralin	ND	0.010
Da	te Extracted:	4/4/2017		Butylate	ND	0.030
				Cadusafos	ND	0.010
Date	e Completed:	4/5/2017		Captafol	ND	0.010
				Captan	ND	0.030
	Surrogate:			Carbaryl	ND	0.010
				Carbofuran	ND	0.010
Sur	rrogate Level:			Carbophenothion-ethyl Carbophenothion-methyl (methyl	ND	0.010
	Decemen			Carbosulfan	ND	0.010
	Recovery:			Carboxin	ND ND	0.030
				Chlorbenzilate	ND	0.010
C				Chlordane-alpha	ND	0.010
Comme	ents:			Chlordane-oxy	ND	0.010
				Chlordane-trans (gamma)	ND	0.010
				Chlordimeform	ND	0.010
				Chlorfenapyr	ND	0.010
				Chlorfenvinphos	ND	0.010
				Chlorobenzilate	ND	0.010
				Chloroneb	ND	0.010
				Chlorothalonil	ND	0.030
				Chlorpropham	ND	0.010
				Chlorpyrifos-ethyl	OP	0.010
				Chlorpyrifos-methyl	ND	0.010
R = Reported on a ND = None Detect	nother Screen	na Limit (RL)		Chlorthiophos	ND	0.010
Tolerance data tak	ken from 40 CFR	§ 180. Environment	tal Micro Analysis, Inc. makes	Clomazone	ND	0.010
no claims as to the	e accuracy of toler	rance numbers.	of 30 days from the date of	Coumaphos	ND ND	0.010
analytical report. S Results relate only Samples are analy Reports should no Environmental Mic	Special storage and to items tested. yzed as received. to be reproduced, or	rrangements possib except in full, withou	le. ut written consent by	Crotoxyphos	ND	0.010
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Date: __04/13/17

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Joseph a Pitorio Don Peterson, Laboratory Director

	Analytica April 26, 2017	l Report	Revised	Analyte	Amount ppm	RL ppm
				Cyanazine	ND	0.010
Client:	Jay Billings			Cyanofenphos	ND	0.010
	Northeast Geo	science		Cyanophos	ND	0.010
	97 Walnut Stre			Cycloate	ND	0.030
	Clinton, MA			Cycluron	ND	0.010
				Cyfluthrin (Total)	ND	0.010
Phone:	(978) 365-904			Cyhalothrin (lambda)	ND	0.010
Fax:	(978) 365-937			Cymiazole	ND	0.010
Email:	jbillings@ngeo.r	et		Cypermethrin (Total)	ND	0.010
				Cyproconazole	ND	0.010
				Cyprodinil	ND	0.010
				DCPA (dacthal, Chlorthal-dimethyl)	ND	0.010
				DDD-o,p'	ND	0.030
				DDD-p,p'	ND	0.010
	Project No:			DDE-o,p'	ND	0.010
				DDE-p,p'	0.03	0.010
	PO No:			DDT-o,p'	ND	0.010
				DDT-p,p'	ND	0.030
				DEF (Tribufos)	ND	0.010
Clie	ent Sample ID:	S-3 (G)		Deltamethrin	ND	0.010
	,	500 St. 100 P		Demeton-s-methyl	ND	0.030
				Desmedipham	ND	0.010
				Desmetryn	ND	0.010
				Diallate I	ND	0.030
	Sample Date:	3/21/2017		Diallate II	ND	0.010
EN	AA Sample No:	17032222-03a		Diazinon	ND	0.010
LI	in Sample No.	17002222-030		Diazinon-oxon (diazoxon)	ND	0.010
[Date Received:	3/22/2017		Dichlofenthion	ND	0.010
		0-11		Dichlofluanid	ND	0.030
	Sample Matrix:	Soil		Dichlorobenzonitrile, 2,6- (Dichlobenil)	ND	0.030
				Dichlorvos	ND	0.030
		EDA Import CO	C/MS/MS Cy - D	Dichloran (Dichloran)	ND	0.030
Ana	lytical Method:	FDA IIIIport GC	JINISINIS Cy - D	Dicofol-o,p'	ND	0.010
E.d.	action Method:	FDA 302		Dicofol-p,p' (Kelthane)	ND	0.010
EXU	action Methou:			Dicrotofos (Dicrotophos)	ND	0.010
D	ate Extracted:	4/4/2017		Dieldrin	ND	0.010
				Diethofencarb	ND	0.010
Da	te Completed:	4/5/2017		Difenoconazole I	ND	0.010
				Difenoconazole II	ND	0.010
	Surrogate:			Dimethachlor	ND	0.010
				Dimethoate	ND	0.010
Sı	urrogate Level:			Dimethomorph I	ND	0.010
				Dimethomorph II	ND	0.010
	Recovery:			Diniconazole	ND	0.010
				Dinitramine	ND	0.030
				Dioxacarb	ND	0.030
Comm	nents:			Dioxathion	ND	0.010
				Diphenamid	ND	0.010
				Diphenylamine	ND	0.010
				Disulfoton	ND	0.010
				Disulfoton Sulfone	ND	0.010

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Josell a. Peters

> RL ppm

	Analytical Report April 26, 2017	Revised A	Analyte	Amount ppm
Client: Phone: Fax: Email:	Jay Billings Northeast Geoscience 97 Walnut Street Clinton, MA 01510 (978) 365-9045 (978) 365-9378 jbillings@ngeo.net		Edifenphos Endosulfan I (alpha Isomer) Endosulfan II (beta Isomer) Endosulfan Sulfate Endrin Endrin Aldehyde EPN Epoxiconazole Esfenvalerate (Fenvalerate A-alpha) Etaconazole I Ethalfluralin (Sonalan) Ethiofencarb Ethiofencarb	ND N
	Project No:		Ethion Ethofumesate	ND ND
	PO No:		Ethoprophos (Ethoprop) Ethoxyquin	ND ND

Client Sample ID: S-3 (G)

Sample Date: 3/21/2017 EMA Sample No: 17032222-03a Date Received: 3/22/2017 Sample Matrix: Soil

Analytical Method: FDA Import GC/MS/MS E - H

Extraction Method: FDA 302

Date Extracted: 4/4/2017

Date Completed: 4/5/2017

Surrogate:

Surrogate Level:

Recovery:

Comments:

	■P# ■ 2558 V.C.	#10 #19509503
Edifenphos	ND	0.010
Endosulfan I (alpha Isomer)	ND	0.010
Endosulfan II (beta Isomer)	ND	0.010
Endosulfan Sulfate	ND	0.010
Endrin	ND	0.010
Endrin Aldehyde	ND	0.030
EPN	ND	0.010
Epoxiconazole	ND	0.010
Esfenvalerate (Fenvalerate A-alpha)	ND	0.010
Etaconazole I	ND	0.010
Ethalfluralin (Sonalan)	ND	0.010
Ethiofencarb	ND	0.010
Ethiolate	ND	0.030
Ethion	ND	0.010
Ethofumesate	ND	0.010
Ethoprophos (Ethoprop)	ND	0.030
Ethoxyquin	ND	0.030
Etoxazole	ND	0.010
Etrimfos	ND	0.010
Famoxadone	ND	0.010
	ND	
Famphur	ND	0.010
Fenamidone Fenamiphos (Phenamiphos)	ND	
	ND	0.010 0.010
Fenamiphos Sulfone		0.010
Fenarimol	ND	
Fenazaquin	ND	0.010
Fenbuconazole	ND	0.010
Fenfuram	ND	0.010
Fenhexamid	ND	0.010
Fenitrothion	ND	0.010
Fenobucarb	ND	0.010
Fenoxycarb	ND	0.010
Fenpropathrin	ND	0.010
Fenpropimorph	ND	0.010
Fensulfothion	ND	0.010
Fenthion	ND	0.010
Fenvalerate II	ND	0.010
Fipronil	ND	0.010
Flonicamid	ND	0.010
Fluchloralin	ND	0.010
Flucythrinate I	ND	0.010
Flucythrinate II	ND	0.010
Fludioxonil	ND	0.030
Fluopicolide	ND	0.010
Fluquiniconazole	ND	0.010
Flurenol-butyl	ND	0.010
Fluridone	ND	0.010
Flusilazole	ND	0.010
Flutolanil	ND	0.010
Flutriafol	ND	0.010
Fluvalinate I	ND	0.010
Folpet	ND	0.010
Fonofos	ND	0.010
Fuberidazole	ND	0.030
Furalaxyl	ND	0.010
Heptaclor	ND	0.010
Heptachlor exo-epoxide (Isomer B)	ND	0.010
Heptenophos	ND	0.010
Hexachlorobenzene	ND	0.030
Hexaconazole	ND	0.010
Hexythiazox	ND	0.030

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	Analytica pril 26, 2017	Report Revised	Analyte	Amount ppm	RL ppm
			Imazalil	ND	0.030
Client:	Jay Billings		Indoxacarb	ND	0.010
	Northeast Geo	science	Iprobenfos	ND	0.030
	97 Walnut Stre		Iprodione	0.12	0.030
	Clinton, MA		Isocarbamid (Isocarbamide)	ND	0.010
	20 20		Isocarbophos	ND	0.010
Phone:	(978) 365-904		Isodrin	ND	0.010
Fax:	(978) 365-937		Isofenphos	ND	0.010
Email:	jbillings@ngeo.n	et	Isoprocarb	ND	0.010
			Isopropalin	ND	0.010
			Isoprothiolane	ND	0.030
			Isoproturon	ND	0.030
			Kresoxim-methyl	ND	0.010
	Destruct Man		Lenacil	ND	0.010
	Project No:		Leptophos	ND	0.010
			Linuron	ND	0.010
	PO No:		Malaoxon (metabolite of Malathion)	ND	0.010
			Malathion	ND	0.010
			Mecarbam	ND	0.010
Clie	ent Sample ID:	S-3 (G)	Mepanipyrim	ND	0.010
			Mepronil	ND	0.010
			Metalaxyl	LC/MS	0.010
			Metaldehyde	ND	0.030
			Methidathion	ND	0.010
	Sample Date:	3/21/2017	Methiocarb	ND	0.010
EM	IA Sample No:	17032222-03a	Methoprene	ND	0.030
	•	THE CONTROL OF THE CO	Methoprotryne	ND	0.010
D	ate Received:	3/22/2017	Methoxychlor, o,p'-	ND	0.010
	Sample Matrix:	Soil	Methoxychlor, p,p'-	ND	0.010
	sample matrix.	3011	Metolachlor	ND	0.010
			Metolcarb	ND	0.030
Anal	lytical Method:	FDA Import GC/MS/MS I - Pd	Metrafenone	ND	0.010
Alla	iyiicai weiiiou.	· · · · · · · · · · · · · · · · · · ·	Metribuzin	ND	0.010
Extra	action Method:	FDA 302	Mevinphos	ND	0.030
			Mexacarbate	ND	0.010
Da	ate Extracted:	4/4/2017	MGK-264	ND	0.010
			Mirex	ND	0.010
Dat	te Completed:	4/5/2017	Molinate	ND	0.030
			Monocrotophos	ND	0.030
	Surrogate:		Monolinuron	ND	0.010
-			Myclobutanil	LC/MS	0.010
Su	ırrogate Level:		Naled	ND	0.030
	_		Naphthaleneacetamide, 1-	ND	0.010
	Recovery:		Napropamide	ND	0.010
			Nicotine	ND	1.000
_			Nitrofen	ND	0.010 0.010
Comm	ents:		Nitrothal-isopropyl	ND	
			Nonachlor, cis-	ND ND	0.010 0.010
			Nonachlor, Trans-	ND	0.010
			Nuarimol Omethoate	ND	0.010
			Oxadiazon	ND	0.010
			Oxadiazon	ND	0.010
			Oxadixyi Oxyflurofen	ND	0.010
			Paclobutrazole	ND	0.030
			Paraoxon-ethyl	ND	0.030
			Paraoxon-rethyl	ND	0.010
			Parathion-ethyl	ND	0.010
Renorted on	another Screen		Parathion-methyl	ND	0.010
= None Dete	cted at the Report	ting Limit (RL)	i dramon monyi		5.510

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Reviewed by:

Soull a Peters

Woodland, CA 95776

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Amount RI

Ana	lytical	Report	Revised
120 220	50.00		

	Analytica April 26, 2017	II REPORT REVISED	Analyte	Amount ppm	RL ppm
	April 26, 2017		-		357.5
o			Penconazole	ND	0.010
Client:	Jay Billings		Pendimethalin (Penoxaline) Pentachloroaniline	ND 0.21	0.010 0.010
	Northeast Geo		Pentachloroanisole	ND	0.010
	97 Walnut Stre		Pentachlorobenzonitrile	ND	0.010
	Clinton, MA		Pentachlorothioanisole	0.04	0.010
Phone:	(978) 365-904		Peopiconazole	ND	0.010
Fax:	(978) 365-937		Permethrin I	ND	0.010
Email:	jbillings@ngeo.r	net	Permethrin II (trans)	ND	0.010
			Phenothrin I	ND	0.010
			Phenothrin II	ND	0.010
			Phenthoate	ND	0.010
			Phenylphenol, 2-	ND	0.010
	Project No:		Phorate	ND	0.010
	rioject No.		Phorate sulfone	ND	0.010
	PO No:		Phorate sulfoxide	ND	0.010
	PO NO.		Phosalone	ND ND	0.010 0.010
			Phosmet	ND	0.030
Cli	ent Sample ID:	S-3 (G)	Phosmet oxon Phosphamidon I	ND	0.030
Cii	ent Sample ID.	5 5 (a)	Phosphamidon II	ND	0.010
			Piperonyl Butoxide	ND	0.010
			Pirimicarb	ND	0.010
			Pirimiphos-ethyl	ND	0.010
	Sample Date:	3/21/2017	Pirimiphos-methyl	ND	0.010
FI	MA Sample No:	17032222-03a	Prochloraz	ND	0.010
	-ii (campic reci		Procymidone	ND	0.010
	Date Received:	3/22/2017	Prodiamine	ND	0.030
	Sample Matrix:	Soil	Profenofos	ND	0.010
	Sample Matrix.		Profluralin	ND	0.010
			Promecarb	ND	0.010
Ana	lytical Method:	FDA Import GC/MS/MS Pe - So	Prometon	ND	0.010
	.,		Prometryn Pronamide (Propyzamide)	ND ND	0.010 0.010
Extr	action Method:	FDA 302	Propachlor	ND	0.010
-	ata Futunatadi	4/4/2017	Propanil	ND	0.010
L	ate Extracted:	4/4/2017	Propargite	ND	0.010
Da	te Completed:	4/5/2017	Propetamphos	ND	0.010
	ite dompietedi		Propham	ND	0.030
	Surrogate:		Propiconazole I	LC/MS	0.010
			Propiconazole II	ND	0.010
S	urrogate Level:		Propoxur	ND	0.010
			Pyracarbolid	ND	0.010
	Recovery:		Pyraclostrobin	ND	0.030
			Pyrazophos	ND ND	0.010 0.010
_			Pyridaben Pyridaphenthion	ND	0.010
Comn	nents:		Pyrifenox I	ND	0.010
			Pyrifenox II	ND	0.010
			Pyrimethanil	ND	0.010
			Pyriproxyfen	ND	0.010
			Quinalphos	ND	0.010
			Quinoxyfen	ND	0.010
			Quintozene	ND	0.010
			Resmethrin -cis (cismethrin)	ND	0.010
			Ronnel (Fenchlorphos)	ND	0.010
			Secbumeton	ND	0.010
			Simazine	ND	0.010
one Dete	another Screen ected at the Report	ing Limit (RL)	Simetryn	ND 0.06	0.010
on data t	akon from 40 CEP	& 190 Environmental Micro Analysis Inc. makes	Pentachlorobenzene	0.06	0.010

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.
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Date: __04/13/17

_ Reviewed by: _

Jonald a Polous Don Peterson, Laboratory Director

Analytica April 26, 2017	I Report	Revised	Analyte	Amount ppm	RL ppm
			Spirodiclofen	ND	0.030
Client: Jay Billings			Spiromesifen	ND	0.030
Northeast Geo	science		Spiroxamine I	ND	0.010
97 Walnut Stre	eet		Spiroxamine II	ND	0.010
Clinton, MA			Sulfotep	ND	0.010
Phone: (978) 365-904			Sulprofos	ND	0.030
Comment & S			Tebuconazole	LC/MS	0.010
Fax: (978) 365-937			Tebufenpyrad	ND	0.010
Email: jbillings@ngeo.r	iet		Tebupirimfos	ND	0.010
			Tebutam	ND	0.010
			Tebuthiuron	ND	0.010
			Tecnazene (TCNB)	ND	0.010
			Tefluthrin, cis-	ND	0.010
Project No:			Terbacil	ND	0.010
Project No.			Terbufos	ND	0.010
			Terbumeton	ND	0.030
PO No:			Terbuthylazine	ND	0.030
			Tetrachloraniline, 2,3,5,6-	ND	0.010
	E = /=.		Tetrachlorvinphos, e-isomer	ND	0.010
Client Sample ID:	S-3 (G)		Tetraconazole	ND	0.010
			Tetradifon	ND	0.010
			Tetrahydrophthalimide, cis-1,2,3,6-	ND	0.010
			Tetrahydrophthalimide, cis-Delta 4-	ND	0.030
Comple Dates	3/21/2017		Tetramethrin I	ND	0.010
Sample Date:	3/21/2017		Tetramethrin II	ND	0.010
EMA Sample No:	17032222-03a		Thiabendazole	ND	0.030
D	0/00/0047		Thiamethoxam	ND	0.010
Date Received:	3/22/2017		Thionazin	ND	0.030
Sample Matrix:	Soil		Tolclofos-methyl	ND	0.010
ounipio i iuti iii			Tolylfluanid	ND	0.010
			Triadimefon	LC/MS	0.010
Analytical Method:	FDA Import GC/N	MS/MS Sp - Z	Triadimenol	LC/MS	0.010
, many mount mountour			Triazophos	ND	0.010
Extraction Method:	FDA 302		Tricyclazole	ND	0.030
			Trifloxystrobin	ND	0.010
Date Extracted:	4/4/2017		Triflunizole	ND	0.010
D	4/2/00 47		Trifluralin	ND	0.010
Date Completed:	4/5/2017		Trimethacarb, 2,3,5-	ND	0.010
			Trimethacarb, 3,4,5-	ND	0.010
Surrogate:			Trimidal (Nuarimol)	ND ND	0.010 0.010
Currente I aval-			Triticonazole Vernolate	ND ND	0.010
Surrogate Level:			Vernolate	ND	0.030

Vinclozolin

Comments:

Recovery:

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ND

0.010

Analytical Report Revised

	Analytica	II Report Revised		Amount	RL
	April 26, 2017	-	Analyte	ppm	ppm
			3-Hydroxycarbofuran	ND	0.010
Client:	Jay Billings		Acephate	ND	0.010
	Northeast Geo	science	Acetamiprid	ND	0.010
	97 Walnut Stre		Acetochlor	ND	0.010
	Clinton, MA		Acibenzolar-S-methyl	ND	0.010
-			Alanycarb	ND	0.010
Phone:	(978) 365-904		Aldicarb-sulfone	ND	0.010
Fax:	(978) 365-937		Aldicarb-sulfoxide	ND	0.010
Email:	jbillings@ngeo.i	net	Ametryn	ND	0.010
			Amicarbazone	ND	0.010
			Aminocarb	ND	0.010
			Aspon	ND	0.010
			Atrazine	ND	0.010
	Drainet No.		Avermectin Ba	ND	0.010
	Project No:		Azinphos-methyl	ND	0.010
			Azoxystrobin	ND	0.010
	PO No:		Benalaxyl	ND	0.010
			Bendiocarb	ND	0.010
			Benfuracarb	ND	0.010
Clie	ent Sample ID:	S-3 (G)	Bensulide	ND	0.010
			Benzoximate	ND	0.010
			Bifenazate	ND	0.010
			Bitertanol	ND	0.010
	Sample Date:	3/21/2017	Boscalid	ND	0.010
	#555** - 554. * 554. * 55		Bromuconazole (isomer)	ND	0.010
EM	IA Sample No:	17032222-03a	Bupirimate	ND ND	0.010
	Sata Danairiada	3/22/2017	Buprofezin	ND ND	0.010
L	Date Received:	3/2/2017	Butafenacil	ND ND	0.010 0.010
	Sample Matrix:	Soil	Butocarboxim	ND ND	0.010
			Carbaryl Carbendazim	0.01	0.010
			Carbetamide	ND	0.010
Anal	lytical Method:	FDA Import LC/MS/MS A-C	Carbofuran	ND	0.010
		EDA 200	Carbosulfan	ND	0.010
Extra	action Method:	FDA 302	Carbosine	ND	0.010
D	ate Extracted:	4/4/2017	Carfentrazone-ethyl	ND	0.010
Di	ate Extracted.	4/4/2017	Chlorantraniliprole	0.02	0.010
Dat	te Completed:	4/5/2017	Chlordimeform	ND	0.010
Du	te completeu.	70/2011	Chlorfenvinphos	ND	0.010
	Surrogate:		Chlorfluazuron	ND	0.010
	ourrogute.		Chloroxuron	ND	0.010
Su	rrogate Level:		Chlorpyrifos	OP	0.010
			Chlorpyrifos-methyl	ND	0.010
	Recovery:		Chlortoluron	ND	0.010
			Clethodim	ND	0.010
			Clofentezine	ND	0.010
Comm	ents:		Clothianidin	ND	0.010
			Coumaphos	ND	0.010
			Cumyluron	ND	0.010
			Cyanazine	ND	0.010
			Cyazofamid	ND	0.010
			Cycluron	ND	0.010
			Cyflufenamid	ND	0.010

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Date: __04/13/17

_ Reviewed by: _

Jonald a Patous Don Peterson, Laboratory Director

ND

ND

ND

ND

ND

0.010

0.010

0.010

0.010

0.010

Cyhexatin

Cymoxanil

Cyprodinil

Cyromazine

Cyproconazole (isomer)

	Analytica April 26, 2017	I Report Revised	Analyte	Amount ppm	RL ppm
			Daimuron	ND	0.010
Client:	Jay Billings		Diafenthiuron	ND	0.010
	Northeast Geo	occiones	Diazinon	ND	0.010
			Dichloryos	ND	0.010
	97 Walnut Stre	The second secon	Diclobutrazol	ND	0.010
	Clinton, MA	U151U	Dicrotophos	ND	0.010
Phone:	(978) 365-904	ł5	Diethofencarb	ND	0.010
Fax:	(978) 365-937	78	Difenoconazole	ND	0.010
Email:	jbillings@ngeo.n	net ·	Diflubenzuron	ND	0.010
	,		Dimethenamide	ND ND	0.010
			Dimethoate	ND	0.010
			Dimethomorph	ND	0.010
			Dimoxystrobin	ND	0.010
	Project No:		Diniconazole	ND	0.010
	Froject No.		Dioxacarb	ND	0.010
	2012 Action		Diuron	ND	0.010
	PO No:		DMST	ND	0.010
			DNOC	ND	0.010
			Dodine	ND	0.010
Clie	ent Sample ID:	S-3 (G)	Doramectin	ND	0.010
			Emamectin Ba	ND	0.010
			Epoxiconazole	ND	0.010
			Eprinomectin	ND	0.010
			Esprocarb	ND	0.010
	Sample Date:	3/21/2017	Ethidimuron	ND	0.010
EN.	AA Camala Nas	17032222-03a	Ethiofencarb	ND	0.010
EM	1A Sample No:	17032222-03a	Ethiofencarb-sulfoxide	ND	0.010
Г	Date Received:	3/22/2017	Ethion	ND	0.010
-	oute necesseu.		Ethiprole	ND	0.010
	Sample Matrix:	Soil	Ethirimol	ND	0.010
			Ethofumesate	ND	0.010
				ND	0.010
Ana	lytical Method:	FDA Import LC/MS/MS D-F	Ethoprop	ND	0.010
			Etobenzanid Etoxazole	ND ND	0.010
Extra	action Method:	FDA 302			
14400			Famoxadone	ND	0.010
D	ate Extracted:	4/4/2017	Fenamidone	ND	0.010
	155 5 5		Fenarimol	ND	0.010
Da	te Completed:	4/5/2017	Fenazaquin	ND	0.010
			Fenbuconazole	ND	0.010
	Surrogate:		Fenbutatin Oxide	ND	0.010
			Fenhexamid	ND	0.010
Su	irrogate Level:		Fenobucarb	ND	0.010
			Fenoxycarb	ND	0.010
	Recovery:		Fenpropimorph	ND	0.010
			Fenpyroximate	ND	0.010
			Fenuron	ND	0.010
Comm	ents:		Flonicamid	ND	0.010
			Fluazifop-butyl	ND	0.010
			Flubendiamide	ND	0.010
			Fludioxinil	ND	0.010
			Flufenacet	ND	0.010
			Flufenoxuron	ND	0.010
			Fluometuron	ND	0.010
			Fluopicolide	ND	0.010
			Fluoxastrobin	ND	0.010
			Fluquinconazole	ND	0.010
			Flusilazole	ND	0.010
			Flutolanil	ND	0.010
R = Reported on	another Screen		Flutriafol	ND	0.010
ND = None Dete	cted at the Report	ting Limit (RL)	Famountes	ND	0.010
Tolerance data to	aken from 40 CFR	§ 180. Environmental Micro Analysis, Inc. makes erance numbers. ored for a minimum of 30 days from the date of	Forchlorfenuron	ND	0.010
no claims as to the	ne accuracy of tole	erance numbers.	Formetanate	ND	0.010
analytical report.	Special storage a	arrangements possible.	Fuberidazole	ND	0.010
Results relate on	nly to items tested.			ND ND	0.010
Samples are and	alyzed as received.	overant in full without written assess by	Furalaxyl	ND	0.010
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Analytical Report Revised

Analytic	al Report Revised		Amount	RL
April 26, 2017		Analyte	ppm	ppm
		Halofenozide	ND	0.010
Client: Jay Billings		Hexaflumuron	ND	0.010
Northeast Ge	eoscience	Hexazinone	ND	0.010
97 Walnut St		Hexythiazox	ND	0.010
Clinton , MA	01510	Hydramethylnon	ND	0.010
Phone: (978) 365-90	45	Imazalil	ND ND	0.010 0.010
Fax: (978) 365-93	78	Imazapyr	ND	0.010
Email: jbillings@ngeo		Imazethapyr Imibenconazole	ND	0.010
		Imidacloprid	ND	0.010
		Indoxacarb	ND	0.010
		Ipconazole	ND	0.010
		Iprovalicarb	ND	0.010
		Isocarbamid	ND	0.010
Project No:		Isofenphos	ND	0.010
		Isoprocarb	ND	0.010
PO No:		Isoprothiolane	ND	0.010
		Isoproturon	ND	0.010
		Ivermectin	ND	0.010
Client Sample ID:	S-3 (G)	Kresoxim-methyl	ND	0.010
		Lactofen	ND	0.010
		Linuron	ND	0.010
		Malathion	ND	0.010
Sample Date:	3/21/2017	Mandipropamid	ND	0.010
		Mefenacet	ND	0.010
EMA Sample No:	17032222-03a	Mepanipyrim	ND	0.010
Date Received:	3/22/2017	Mepronil Metaflumizone	ND ND	0.010 0.010
Date Neceiveu.	GLD LOTT	Metalaxyl	0.04	0.010
Sample Matrix:	Soil	Metconazole	ND	0.010
		Methamidophos	ND	0.010
	EDA Import I CAICAIC II O	Methfuroxam	ND	0.010
Analytical Method:	FDA Import LC/MS/MS H-O	Methidathion	ND	0.010
Extraction Method:	FDA 302	Methiocarb	ND	0.010
Extraction Metricu.		Methomyl	ND	0.010
Date Extracted:	4/4/2017	Methoprotryne	ND	0.010
		Methoxyfenozide	ND	0.010
Date Completed:	4/5/2017	Metobromuron	ND	0.010
		Metolachlor	ND	0.010
Surrogate:		Metoxuron	ND	0.010
Company to Lavel		Metrafenone Metribuzin	ND ND	0.010 0.010
Surrogate Level:		Metsulfuron-methyl	ND	0.010
Recovery:		Mevinphos	ND	0.010
necovery.		Mexacarbate	ND	0.010
		Molinate	ND	0.010
Comments:		Monocrotophos	ND	0.010
Johnnones.		Monolinuron	ND	0.010
		Moxidectin	ND	0.010
		Myclobutanil	0.05	0.010
		Napropamide	ND	0.010
		Neburon	ND	0.010
		Nitenpyram	ND	0.010
		Novaluron	ND	0.010
		Omethoate	ND	0.010
		Oxamyl	ND ND	0.010 0.010
		Oxadixyl	ND	0.010

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Date: _04/13/17

_ Reviewed by: _

Soull a Peleus Don Peterson, Laboratory Director

460 N East Street Woodland, CA 95776 Phone: (530) 666-6890 Fax: (530) 666-2987 e-mail: emalab@emalab.com website: www.emalab.com

	Analytica April 26, 2017	l Report	Revised	Analyte	Amount ppm	RL ppm
				Pencycuron	ND	0.010
Client:	Jay Billings			Pendimethalin	ND	0.010
	Northeast Geo	science		Phorate	ND	0.010
	97 Walnut Stre			Phosmet	ND	0.010
	Clinton, MA			Phoxim	ND	0.010
ъ.				Picoxystrobin	ND	0.010
Phone:	(978) 365-904			Piperonyl butoxide	ND	0.010
Fax:	(978) 365-937			Pirimicarb	ND	0.010
Email:	jbillings@ngeo.r	net		Pirimiphos-methyl	ND	0.010
				Prochloraz	ND	0.010
				Promecarb	ND	0.010
				Prometon	ND	0.010
				Prometryn	ND	0.010
				Propachlor	ND	0.010
	Project No:			Propamocarb	ND	0.010
				Propargite	ND	0.010
	PO No:			Propazine	ND	0.010
				Propham	ND	0.010
				Propiconazole	0.04	0.010
Clie	ent Sample ID:	S-3 (G)		Propoxur	ND	0.010
				Propyzamide	ND	0.010
				Pymetrozin	ND	0.010
				Pyracarbolid	ND	0.010
				Pyraclostrobin	ND	0.010
	Sample Date:	3/21/2017		Pyridaben	ND	0.010
Th.	AA Commis No.	17022222 020		Pyridaphenthion	ND	0.010
EM	1A Sample No:	17032222-03a		Pyrimethanil	ND	0.010
r	Date Received:	3/22/2017		Pyriproxyfen	ND	0.010
				Quinoxyfen	ND	0.010
:	Sample Matrix:	Soil		Sebuthylazine	ND	0.010
				Secbumeton	ND	0.010
				Sethoxydim	ND	0.010
Ana	lytical Method:	FDA Import LC	C/MS/MS P-Trid	Siduron	ND	0.010
		ED4 000		Simazine	ND	0.010
Extra	action Method:	FDA 302		Simetryn	ND	0.010
		4/4/0047		Spinetryn Spinetoram-J +L	ND	0.010
D	ate Extracted:	4/4/2017		Spinosad	ND	0.010
D-	4 - C l-4 - d-	4/5/0047		Spirodiclofen	ND	0.010
Da	te Completed:	4/5/2017			ND	0.010
				Spiromecifen	ND	0.010
	Surrogate:			Spirotetramat	ND	0.010
C.	anata I awali			Spiroxamine	ND	0.010
51	ırrogate Level:			Sulfentrazone	0.09	0.010
	D			Tebuconazole	ND	0.010
	Recovery:			Tebufenozide	ND	0.010
				Tebufenpyrad		
-	130 mag			Tebuthiuron Temephos	ND ND	0.010 0.010
Comm	ients:			Tepraloxydim	ND	0.010
				Terbumeton	ND ND	0.010
					ND	0.010
				Terbutryn Tetraconazole	ND	0.010
				Thiabendazole	ND	0.010
				Thiacloprid	ND	0.010
				•		0.010
				Thiamethoxam Thidiazuron	ND ND	0.010
					ND	0.010
				Thiofanox	ND	0.010
				Thiophanato methyl (Carbendazim)		0.010
R - Panerted	another Serson			Thiophanate-methyl (Carbendazim)	ND 0.01	0.010
R = Reported on ND = None Dete	cted at the Report	ting Limit (RL)		Triadimenol	0.01 0.09	0.010
Tolerance data t	aken from 40 CFR	§ 180. Environme	ental Micro Analysis, Inc. makes	Triadimenol		
no claims as to t	he accuracy of tole	erance numbers.		Triazophos	ND	0.010
	and extracts are sto Special storage a		of 30 days from the date of ible.	Tricyclazole	ND	0.010
Results relate or	nly to items tested.		ibio.	Tridemorph	ND	0.010
Samples are and Reports should r	alyzed as received.	except in full, with	out written consent by			
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ELAP Certificate #2819

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Analytical Report Revised

April 26, 2017

Client: Jay Billings

Northeast Geoscience 97 Walnut Street Clinton, MA 01510

(978) 365-9045 Phone: (978) 365-9378 Fax: jbillings@ngeo.net Email:

Analyte	Amount ppm	RL ppm
Trifloxystrobin	ND	0.010
Triflumizole	ND	0.010
Triflumuron	ND	0.010
Triflusulfuron-methyl	ND	0.010
Triphenyl Phosphate	ND	0.010
Triticonazole	ND	0.010
Uniconazole	ND	0.010
Vamidothion	ND	0.010
Zoxamide	ND	0.010

Project No:

PO No:

Client Sample ID: S-3 (G)

Sample Date: 3/21/2017 EMA Sample No: 17032222-03a Date Received: 3/22/2017

Sample Matrix: Soil

Analytical Method: FDA Import LC/MS/MS Trif-Z

FDA 302 **Extraction Method:** Date Extracted: 4/4/2017

Date Completed: 4/5/2017

Surrogate:

Surrogate Level:

Recovery:

Comments:

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ND = None Detected at the Reporting Limit (RL)
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Date: __04/13/17

Reviewed by:

Sonald a. Peterso

Environmental Micro Analysis, Inc. ISO 17025 accreditation 460 N East Street ELAP Certificate #2819 Woodland, CA 95776

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

Analytical Report Revised

Amount RL Analyte April 26, 2017 ppm ppm Ferbam 0.030 Maneb (Dithane M-22) 0.030 Client: Jay Billings ND Mancozeb ND 0.030 **Northeast Geoscience** 0.030 97 Walnut Street Metiram ND 0.030 Clinton, MA 01510 Nabam ND Thiram ND 0.030 (978) 365-9045 Phone: Zineb ND 0.030 (978) 365-9378 Fax: Ziram ND 0.030 Email: jbillings@ngeo.net

Project No:

PO No:

Client Sample ID: S-3 (G)

Sample Date: 3/21/2017 EMA Sample No: 17032222-03a Date Received: 3/22/2017 Sample Matrix: Soil

Analytical Method: EBDC Screen

Extraction Method:

Date Extracted: 3/31/2017

Date Completed: 3/31/2017

Surrogate:

Surrogate Level:

Recovery:

Comments:

RI

Amount

Analytical Report Revised

	April 26, 2017	Analyte	ppm	ppm
		2, 4 - D	ND	0.250
Client:	Jay Billings	2, 4 -DB	ND	0.250
	Northeast Geoscience	2, 4, 5 - T	ND	0.130
	97 Walnut Street	2, 4, 5 -TP	ND	0.050
	Clinton MA 01510	Dicamba	ND	0.130
DI	(978) 365-9045	Dichloroprop	ND	0.130
Phone:	Provide the second record records	Bentazon	ND	0.250
Fax:	(978) 365-9378	MCPA	ND	0.250
Email:	jbillings@ngeo.net	MCPP	ND	0.250
		Triclopyr	ND	0.250

Project No:

PO No:

Client Sample ID: S-3 (G)

Sample Date: 3/21/2017 17032222-03a EMA Sample No: Date Received: 3/22/2017 Sample Matrix: Soil

Analytical Method: EPA 8151A (s) Extraction Method: EPA 8151A

Date Extracted: 4/4/2017 Date Completed: 4/10/2017

Surrogate: DCAA

Surrogate Level: 0.2 mg/Kg

Recovery: 46.8

Comments:

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ND = None Detected at the Reporting Limit (RL)
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Date: __04/13/17

Reviewed by:

Joursel a. Peterson, Laboratory Director

	nalytica	l Report	Revised	Analyte	Amount ppm	RL ppm
				a, b, d-BHC	ND	0.010
Client: ,	Jay Billings			Alachlor	ND	0.020
	Northeast Geo	science		Aldrin	ND	0.010
	97 Walnut Stre			Benfluralin	ND	0.020
	Clinton, MA			Bifenox	ND	0.050
				Boscalid	ND	0.020
	(978) 365-904			Bromacil	ND	0.040
	(978) 365-937			Captafol	ND	0.040
Email:	jbillings@ngeo.n	et		Captan	ND	0.020
				Chlordane (sum of Isomers)	ND	0.020
				Chlorfenapyr	ND	0.040
				Chlorobenzilate	ND	0.040
				Chlorothalonil	ND	0.010
				Cyanazine	ND	0.100
	Project No:			Dacthal	ND	0.020
				DDD	ND	0.020
	PO No:			DDE	GC/MS	0.020
				DDT	ND	0.020
				Dichlobenil	ND	0.030
Clien	t Sample ID:	S-3 (G)		Dichlone	ND	0.050
5.1.5.1				Dicloran	ND	0.020
				Dicofol	ND	0.050
				Dieldrin	ND	0.010
				Endosulfan alpha	ND	0.010
S	ample Date:	3/21/2017		Endosulfan beta	ND	0.010
EMA	Comple No.	17022222 020		Endosulfan sulfate	ND	0.010
EMA	Sample No:	17032222-03a		Endosulfans (Total)	ND	0.010
Da	te Received:	3/22/2017		Endrin	ND	0.010
				Ethafluralin	ND	0.030
Sa	ample Matrix:	Soil		Fenhexamid	ND	0.030
				Folpet	ND	0.050
		000		Heptachlor	ND	0.010
Analy	tical Method:	OC Screen		Heptachlor epoxide	ND	0.020
_		CDFA		Hexachlorobenzene	ND	0.010
Extrac	tion Method:	CDIA		Indoxacarb	ND	0.030
Dat	e Extracted:	4/4/2017		Iprodione	GC/MS	0.050
Dat	e Extracteu.	4442011		Lindane (gamma-BHC)	ND	0.010
Date	Completed:	4/5/2017		Linuron	ND	0.150
Dutt	completed.	4002017		Methoxychlor	ND	0.050
	Surrogate:	Dibutylchlorde	nato	Metribuzin	ND	0.020
	Surrogate.	Dibutyiciliorde	ilate	Mirex	ND	0.020
Sur	rogate Level:	0.013 ppm		Myclobutanil	LC/MS	0.050
-	. oguto Lotton	ото то ррии		Oxadiazon	ND	0.050
	Recovery:	157		Oxyfluorfen	ND	0.040
				Pendimethalin	ND	0.050
				Pentachloronitrobenzene (PCNB)	ND	0.020
Comme	nts.			Pentachloroanaline (PCA)	ND	0.010
Commic	111.3.			Perthane	ND	0.100
				Polychlorinated Biphenyls	ND	0.250
				Procymidone	ND	0.020
				Profluralin	ND	0.020
				Pronamide	ND	0.050
				Propanil	ND	0.050
				Tetradifon	ND	0.020
				Toxaphene	ND	0.250
				Triadimefon	ND	0.020
				Trifloxystrobin	ND	0.030
				Triflumazole	ND	0.050
R = Reported on a	nother Screen			Trifluralin	ND	0.020
ND = None Detect	ed at the Report	ing Limit (RL)	and Mine Analysis Inc. of the	Vegadex (Diethyldithiocarbamic Acid)	ND	0.050
Tolerance data tak no claims as to the	ten from 40 CFR	9 180. Environme	ntal Micro Analysis, Inc. makes	Vinclozolin	ND	0.020
Excess sample an	d extracts are sto	ored for a minimum	of 30 days from the date of	Dithiopyr	ND	0.020
analytical report.	Special storage a	rrangements possi	ble.	Norflurazon	ND	0.020
Samples are analy Reports should no Environmental Mic	zed as received. t be reproduced, cro Analysis, Inc.	except in full, without	out written consent by			
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Phone: (530) 666-6890 Fax: (530) 666-2987 e-mail: emalab@emalab.com website: www.emalab.com

Analytical Report Revised

April 26, 2017

Client: Jay Billings

Northeast Geoscience 97 Walnut Street Clinton, MA 01510

(978) 365-9045 (978) 365-9378 Fax:

Email: jbillings@ngeo.net

Analyte	Amount ppm	RL ppm
Bifenthrin	ND	0.020
Cyfluthrin	ND	0.040
Cypermethrin	ND	0.040
Deltamethrin	ND	0.020
Esfenvalerate	ND	0.030
Fenpropathrin	ND	0.010
Fluvalinate	ND	0.040
lambda Cyhalothrin	ND	0.010
Permethrin	ND	0.100
Tralomethrin	ND	0.020
Pyrethrins (Total)	ND	0.050

Project No:

PO No:

Client Sample ID: S-3 (G)

Sample Date: 3/21/2017 EMA Sample No: 17032222-03a Date Received: 3/22/2017

Sample Matrix: Soil

Analytical Method: Pyrethroid Screen

Extraction Method: CDFA

Date Extracted: 4/4/2017

Date Completed: 4/5/2017

Surrogate: Dibutylchlordenate

Surrogate Level: 0.013 ppm

Recovery: 157

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. Reports should not be reproduced, except in full, without written consent by Environmental Micro Analysis, Inc.
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Joseph a Peterson, Laboratory Director

0.050

0.030 0.020

0.050

0.020

0.020

0.030

0.020

0.020

ND

ND

ND

ND

ND

ND

ND

ND

ND

Analytical	Report	Revised
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	Analytica April 26, 2017	I Report R	evised Analyte	Amount ppm	RL ppm
			Acephate	ND	0.020
Client:	Jay Billings		Azinphos-methyl	ND	0.050
	Northeast Geoscience		Bolstar	ND	0.030
	97 Walnut Stre	eet	Bensulide	ND	0.050
	Clinton , MA 01510		Carbofenothion	ND	0.020
Phone:	(978) 365-9045		Chlorfenvinphos	ND	0.030
			Chlorpyrifos	0.03	0.020
Fax:	(978) 365-937		Chlorpyrifos-methyl	ND	0.030
Email:	jbillings@ngeo.r	iet	Ciodrin	ND	0.050
			Coumaphos	ND	0.050
			DEF	ND	0.050
			Demeton (Systox) O/S Analogues	ND	0.040
			Diazinon	ND	0.030
	Droinet No.		Dibrom	ND	0.050
Project No:			Dichlorvos	ND	0.030
			Dicrotophos	ND	0.020
	PO No:		Dimethoate	ND	0.020
			Disulfoton	ND	0.020
		w	EPN	ND	0.020
Clie	ent Sample ID:	S-3 (G)	Ethion	ND	0.030
			Ethoprop	ND	0.050
			Fenamiphos	ND	0.020
			Fenitrothion	ND	0.030
	Camala Datas	2/21/2017	Fenthion	ND	0.020
	Sample Date:	3/21/2017	Fonofos	ND	0.040
EM	IA Sample No:	17032222-03b	Isofenphos	ND	0.030
		-1	Malathion	ND	0.020
	Date Received:	3/22/2017	Metasystox-R	ND	0.050
	Sample Matrix:	Soil	Methamidophos	ND	0.030
•	bampic Matrix.	-	Methidathion	ND	0.030
			Methyl Parathion	ND	0.030
Ana	lytical Method:	OP Screen	Mevinphos	ND	0.050
Alla	iyucai weuibu:	1010	O-methoate	ND	0.050
Extra	action Method:	CDFA	Parathion	ND	0.040
			Phorate	ND	0.050

Phosalone

Profenofos Propetamphos

Ronnel

Thionazin

Phosphamidon

Pyrimiphos-methyl

Tetrachlorvinphos

Phosmet

Comments:

Date Extracted: 4/4/2017

Date Completed: 4/5/2017

Surrogate Level: 0.067 ppm

Recovery: 117

Surrogate: Triphenylphosphate

Analytical Report Revised

April 26, 2017

Client: Jay Billings **Northeast Geoscience**

97 Walnut Street Clinton, MA 01510

(978) 365-9045 Phone: (978) 365-9378 Fax: Email: jbillings@ngeo.net

Project No:

PO No:

Client Sample ID: S-3 (G)

Sample Date: 3/21/2017 17032222-03b **EMA Sample No:**

Date Received: 3/22/2017 Sample Matrix: Soil

ON Screen **Analytical Method:**

CDFA **Extraction Method:**

Date Extracted: 4/4/2017

Date Completed: 4/5/2017

Surrogate: Triphenylphosphate

Surrogate Level: 0.067 ppm

Recovery: 117

Comments:

Analyte	Amount ppm	RL ppm
Acetamipride	ND	0.050
Atrazine	ND	0.030
Azoxystrobin	ND	0.030
Benthiocarb	ND	0.050
Cyanazine	ND	0.050
Cyromazine	ND	0.050
Cyprodinil	ND	0.050
Dimethomorph	ND	0.050
Diphenyl Amine	ND	0.050
Fenamidone	ND	0.050
Fenbuconazole	ND	0.050
Fipronil	ND	0.050
Fludioxinil	ND	0.050
Hexazinone	ND	0.050
Imazalil	ND	0.050
Kresoxim Methyl	ND	0.050
Metalaxyl	LC/MS	0.050
Metolachlor	ND	0.050
Metribuzin	ND	0.050
Molinate	ND	0.050
Myclobutanil	LC/MS	0.050
Prometon	ND	0.050
Prometryne	ND	0.050
Propamocarb	ND	0.050
Propiconazole	LC/MS	0.050
Pymetrozine	ND	0.050
Pyraclostrobin	ND	0.050
Pyriproxifen	ND	0.050
Sethoxydim	ND	0.050
Simazine	ND	0.050
Tebuconazole	LC/MS	0.050
Terbacil	ND	0.050
Thiabendazole	ND	0.050
Desethyl Atrazine	ND	0.050

	Analytica pril 26, 2017	l Report	Revised	Analyte	Amount ppm	RL ppm
				Acephate	ND	0.030
Client:	Jay Billings			Acetamiprid	ND	0.030
	Northeast Geo	science		Acrinathrin	ND	0.010
	97 Walnut Stre			Adiisopropylnaphthalene, 2,6- (DIPN,	ND	0.010
	Clinton, MA			Alachlor	ND	0.010
	-			Aldrin	ND	0.010
Phone:	(978) 365-904			Allethrin	ND	0.010
Fax:	(978) 365-937			Ametryn	ND	0.010
Email:	jbillings@ngeo.r	et		Aminocarb	ND	0.010
				Atrazine	ND	0.010
				Azinphos-methyl	ND	0.010
				Azoxystrobin	ND	0.010
				Benalaxyl	ND	0.010
				Azoxystrobin	ND	0.010
	Project No:			Bendiocarb	ND	0.010
				Benfluralin	ND	0.010
	PO No:			Benoxacor	ND	0.010
				BHC-alpha (Benzene	ND	0.010
				BHC-beta	ND	0.010
Clie	ent Sample ID:	S-4 (S)		BHC-delta	ND	0.010
		. ,		BHC-gamma (Lindane, gamma HCH)	ND	0.010
				Bifenox	ND	0.010
				Bifenthrin	ND	0.010
				Bioresmethrin (resmethrin-trans)	ND	0.010
	Sample Date:	3/21/2017		Bitertanol I	ND	0.010
EM	IA Comple No.	17032222-04a		Bitertanol II	ND	0.010
EM	IA Sample No:	17032222-048		Boscalid	ND	0.010
D	ate Received:	3/22/2017		Bromacil	ND	0.030
				Bromophos-ethyl	ND	0.010
5	Sample Matrix:	Soil		Bromophos-methyl	ND	0.010
				Bromopropylate	ND	0.010
		EDA Immed OC	740740 A O.	Bupirimate	ND	0.010
Anal	ytical Method:	FDA Import GC	C/MS/MS A - Cx	Buprofezin (z-isomer)	ND	0.010
		FDA 302		Butachlor	ND	0.010
Extra	action Method:	1 DA 302		Butralin	ND	0.010
D:	ate Extracted:	4/4/2017		Butylate	ND	0.030
D.	ate Extracted.			Cadusafos	ND	0.010
Dat	te Completed:	4/5/2017		Captafol	ND	0.010
	to completed.	11012011		Captan	ND	0.030
	Surrogate:			Carbaryl	ND	0.010
	ourroguio.			Carbofuran	ND	0.010
Su	rrogate Level:			Carbophenothion-ethyl	ND	0.010
				Carbophenothion-methyl (methyl	ND	0.010
	Recovery:			Carbosulfan	ND	0.030
				Carboxin	ND	0.010
				Chlorbenzilate	ND	0.010
Comm	ents:			Chlordane-alpha	ND	0.010
				Chlordane-oxy	ND	0.010
				Chlordane-trans (gamma)	ND	0.010
				Chlordimeform	ND	0.010
				Chlorfenapyr	ND	0.010
				Chlorfenvinphos	ND	0.010
				Chlorobenzilate	ND	0.010
				Chloroneb	ND	0.010
				Chlorothalonil	ND	0.030
				Chlorpropham	ND	0.010
				Chlorpyrifos-ethyl	ND	0.010
				Chlorpyrifos-methyl	ND	0.010
R = Reported on	another Screen			Chlorthiophos	ND	0.010
ND = None Deter	cted at the Report	ing Limit (RL)	ntal Micro Analysis, Inc. makes	Clomazone	ND	0.010
no claims as to th	ne accuracy of tole	g 100. ⊏nvironme rance numbers.	mai wicro Analysis, inc. makes	Coumaphos	ND	0.010
Excess sample a	nd extracts are sto	red for a minimum	of 30 days from the date of	Crotoxyphos	ND	0.010
Results relate on Samples are ana Reports should n	ly to items tested. lyzed as received.	rrangements possi except in full, witho	ble. out written consent by			
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	Analytica April 26, 2017	I Report	Revised	Analyte	Amount	RL ppm
•	April 20, 2017			0	ND	0.010
o				Cyanazine	ND ND	0.010
Client:	Jay Billings			Cyanofenphos	ND	0.010
	Northeast Geo			Cyanophos	ND	0.010
	97 Walnut Stre			Cycloate	ND	0.030
	Clinton, MA	01510		Cycluron	ND	0.010
Phone:	(978) 365-904	15		Cyfluthrin (Total) Cyhalothrin (lambda)	ND	0.010
Fax:	(978) 365-937	' 8		Cymiazole	ND	0.010
Email:	jbillings@ngeo.r			Cypermethrin (Total)	ND	0.010
21110111	Jannings e ngoon				ND	0.010
				Cyproconazole Cyprodinil	ND	0.010
				DCPA (dacthal, Chlorthal-dimethyl)	ND	0.010
				DDD-o,p'	ND	0.030
				00000000000000000000000000000000000000	ND	0.010
	Project No:			DDD-p,p' DDE-o,p'	ND	0.010
	,			DDE-p,p'	ND	0.010
	PO No:			DDT-o,p'	ND	0.010
	FO NO.			DDT-p,p'	ND	0.030
				DEF (Tribufos)	ND	0.030
Clia	ent Sample ID:	S-4 (S)		Deltamethrin	ND	0.010
CIR	ent Sample ID.	3-4 (3)		Dematiniiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii	ND	0.030
				Desmelon-s-metriyi Desmedipham	ND	0.030
				Desmetryn	ND	0.010
				Diallate I	ND	0.030
	Sample Date:	3/21/2017		Diallate II	ND	0.010
-	A STATE OF THE PARTY OF THE PAR			Diazinon	ND	0.010
EM	1A Sample No:	17032222-04a		Diazinon Diazinon-oxon (diazoxon)	ND	0.010
Г	Date Received:	3/22/2017		Dichlofenthion	ND	0.010
	vate neceived.	G		Dichlofluanid	ND	0.030
	Sample Matrix:	Soil		Dichlorobenzonitrile, 2,6- (Dichlobenil)	ND	0.030
				Dichlorvos	ND	0.030
				Dichloran (Dichloran)	ND	0.030
Ana	lytical Method:	FDA Import GC	/MS/MS Cy - D	Dicofol-o,p'	ND	0.010
1000		FDA 302		Dicofol-p,p' (Kelthane)	ND	0.010
Extra	action Method:	FDA 302		Dicrotofos (Dicrotophos)	ND	0.010
D	ate Extracted:	4/4/2017		Dieldrin	ND	0.010
D	ate Extracted.	4/4/2011		Diethofencarb	ND	0.010
Da	te Completed:	4/5/2017		Difenoconazole I	ND	0.010
Da	te completed.	4072011		Difenoconazole II	ND	0.010
	Surrogate:			Dimethachlor	ND	0.010
	Surrogate.			Dimethoate	ND	0.010
Sı	irrogate Level:			Dimethomorph I	ND	0.010
-	J			Dimethomorph II	ND	0.010
	Recovery:			Diniconazole	ND	0.010
				Dinitramine	ND	0.030
				Dioxacarb	ND	0.030
Comm	ents:			Dioxathion	ND	0.010
50				Diphenamid	ND	0.010
				Diphenylamine	ND	0.010
				Disulfoton	ND	0.010
				Disulfaton Culfano	NID	0.010

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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Disulfoton Sulfone

ND

0.010

	Analytica April 26, 2017	l Report	Revised	Analyte	Amount ppm	RL ppm
				Edifenphos	ND	0.010
Client:	Jay Billings			Endosulfan I (alpha Isomer)	ND	0.010
	Northeast Geo	science		Endosulfan II (beta Isomer)	ND	0.010
	97 Walnut Stre			Endosulfan Sulfate	ND	0.010
	Clinton, MA			Endrin	ND	0.010
-				Endrin Aldehyde	ND	0.030
Phone:	(978) 365-904			EPN	ND	0.010
Fax:	(978) 365-937			Epoxiconazole	ND	0.010
Email:	jbillings@ngeo.r	iet		Esfenvalerate (Fenvalerate A-alpha)	ND	0.010
				Etaconazole I	ND	0.010
				Ethalfluralin (Sonalan)	ND	0.010
				Ethiofencarb	ND	0.010
				Ethiolate	ND	0.030
	D			Ethion	ND	0.010
	Project No:	*		Ethofumesate	ND	0.010
				Ethoprophos (Ethoprop)	ND	0.030
	PO No:			Ethoxyquin	ND	0.030
				Etoxazole	ND	0.010
				Etrimfos	ND	0.010
Clie	ent Sample ID:	S-4 (S)		Famoxadone	ND	0.010
				Famphur	ND	0.010
				Fenamidone	ND	0.030
				Fenamiphos (Phenamiphos)	ND	0.010
		2 /24 /2247		Fenamiphos Sulfone	ND	0.010
	Sample Date:	3/21/2017		Fenarimol	ND	0.010
EM	A Sample No:	17032222-04a		Fenazaquin	ND	0.010
				Fenbuconazole	ND	0.010
	Date Received:	3/22/2017		Fenfuram	ND	0.010
	Sample Matrix:	Soil		Fenhexamid	ND	0.010
•	sample Matrix.	0011		Fenitrothion	ND	0.010
				Fenobucarb	ND	0.010
Ana	lytical Method:	FDA Import GC/N	MS/MS E - H	Fenoxycarb	ND	0.010
Alla	iyucai weulou.	,		Fenpropathrin	ND	0.010
Extra	action Method:	FDA 302		Fenpropimorph	ND	0.010
				Fensulfothion	ND	0.010
Da	ate Extracted:	4/4/2017		Fenthion	ND	0.010
(mac)				Fenvalerate II	ND	0.010
Da	te Completed:	4/5/2017		Fipronil	ND	0.010
				Flonicamid	ND	0.010
	Surrogate:			Fluchloralin	ND	0.010
_				Flucythrinate I	ND	0.010
Si	ırrogate Level:			Flucythrinate II	ND	0.010
				Fludioxonil	ND	0.030
	Recovery:			Fluopicolide	ND	0.010
				Fluquiniconazole	ND	0.010
•				Flurenol-butyl	ND	0.010
Comm	ents:			Fluridone	ND	0.010
				Flusilazole	ND ND	0.010 0.010
				Fluttiofol	ND	0.010
				Flutriafol Fluvalinate I	ND	0.010
				Folpet	ND	0.010
				Fonofos	ND	0.010
				Fuberidazole	ND	0.030
				Furalaxyl	ND	0.030
				Heptaclor	ND	0.010
				Heptachlor exo-epoxide (Isomer B)	ND	0.010
				Heptenophos	ND	0.010
R = Reported on	another Screen			Hexachlorobenzene	ND	0.030
ND = None Dete	cted at the Report	ing Limit (RL)		Hexaconazole	ND	0.030
Tolerance data to	aken from 40 CFR he accuracy of tole	§ 180. Environmenta	al Micro Analysis, Inc. makes	Hexythiazox	ND	0.030
Excess sample a analytical report. Results relate on Samples are ana	and extracts are sto Special storage a lly to items tested.	ored for a minimum of rrangements possible		TONYMILLEN	No	0.000
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April 26, 2017

Analytical Report Revised

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

RL

ppm

Amount

ppm

ND

ND

ND

ND

ND

ND

ND

0.010

0.010

0.030

0.030

0.010

0.010

0.030

0.010

			Imazalil	ND	0.030
Client:	Jay Billings		Indoxacarb	ND	0.010
	Northeast Geo	oscience	Iprobenfos	ND	0.030
	97 Walnut Stre		Iprodione	ND	0.030
	Clinton, MA		Isocarbamid (Isocarbamide)	ND	0.010
DI			Isocarbophos	ND	0.010
Phone:	(978) 365-904		Isodrin	ND	0.010
Fax:	(978) 365-937		Isofenphos	ND	0.010
Email:	jbillings@ngeo.r	net	Isoprocarb	ND	0.010
			Isopropalin	ND	0.010
			Isoprothiolane	ND	0.030
			Isoproturon	ND	0.030
			Kresoxim-methyl	ND	0.010
	D		Lenacil	ND	0.010
	Project No:		Leptophos	ND	0.010
			Linuron	ND	0.010
	PO No:		Malaoxon (metabolite of Malathion)	ND	0.010
			Malathion	ND	0.010
			Mecarbam	ND	0.010
Clie	nt Sample ID:	S-4 (S)	Mepanipyrim	ND	0.010
			Mepronil	ND	0.010
			Metalaxyl	ND	0.010
			Metaldehyde	ND	0.030
			Methidathion	ND	0.010
	Sample Date:	3/21/2017	Methiocarb	ND	0.010
FM	A Sample No:	17032222-04a	Methoprene	ND	0.030
	•		Methoprotryne	ND	0.010
D	ate Received:	3/22/2017	Methoxychlor, o,p'-	ND	0.010
	Sample Matrix:	Soil	Methoxychlor, p,p'-	ND	0.010
-	ваттріе мастіх.	Son	Metolachlor	ND	0.010
			Metolcarb	ND	0.030
Amal	utical Mathadi	FDA Import GC/MS/MS I - Pd	Metrafenone	ND	0.010
Anai	ytical Method:		Metribuzin	ND	0.010
Fytra	ction Method:	FDA 302	Mevinphos	ND	0.030
Extraction Method:		the second discount	Mexacarbate	ND	0.010

Analyte

MGK-264

Molinate Monocrotophos

Monolinuron

Myclobutanil

Naphthaleneacetamide, 1-

Mirex

Naled

Comments:

Date Extracted: 4/4/2017

Date Completed: 4/5/2017

Surrogate:

Recovery:

Surrogate Level:

ND 0.010 Napropamide Nicotine ND 1.000 Nitrofen ND 0.010 Nitrothal-isopropyl ND 0.010 0.010 Nonachlor, cis-ND ND 0.010 Nonachlor, Trans-ND 0.010 Nuarimol Omethoate ND 0.010 Oxadiazon ND 0.010 Oxadixyl ND 0.010 Oxyflurofen 0.030 ND ND 0.030 Paclobutrazole 0.010 Paraoxon-ethyl ND Paraoxon-methyl ND 0.010 Parathion-ethyl ND 0.010 Parathion-methyl ND 0.010

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
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Date: __04/13/17

Jonald a. Peters

	Analytica	I Report Revised		Amount	RL
	April 26, 2017		Analyte	ppm	ppm
			Penconazole	ND	0.010
Client:	Jay Billings	8	Pendimethalin (Penoxaline)	ND	0.010
	Northeast Geo		Pentachloroaniline	ND	0.010
	97 Walnut Stre		Pentachloroanisole Pentachlorobenzonitrile	ND ND	0.010 0.010
	Clinton, MA	01510	Pentachlorothioanisole	ND	0.010
Phone:	(978) 365-904	15	Peopiconazole	ND	0.010
Fax:	(978) 365-937	78	Permethrin I	ND	0.010
Email:	jbillings@ngeo.r	net	Permethrin II (trans)	ND	0.010
			Phenothrin I	ND	0.010
			Phenothrin II	ND	0.010
			Phenthoate	ND	0.010
			Phenylphenol, 2-	ND	0.010
			Phorate	ND	0.010
	Project No:		Phorate sulfone	ND	0.010
			Phorate sulfoxide	ND	0.010
	PO No:		Phosalone	ND	0.010
			Phosmet	ND	0.010
			Phosmet oxon	ND	0.030
Clie	ent Sample ID:	S-4 (S)	Phosphamidon I	ND	0.010
			Phosphamidon II	ND	0.010
			Piperonyl Butoxide	ND	0.010
			Pirimicarb	ND	0.010
	Comple Dates	3/21/2017	Pirimiphos-ethyl	ND	0.010
	Sample Date:	3/21/2017	Pirimiphos-methyl	ND	0.010
EN	AA Sample No:	17032222-04a	Prochloraz	ND	0.010
	Note Depoised	3/22/2017	Procymidone	ND	0.010
	Date Received:	3/22/2017	Prodiamine	ND	0.030
	Sample Matrix:	Soil	Profenofos	ND ND	0.010
	•		Profluralin Promecarb	ND	0.010 0.010
			Prometon	ND	0.010
Ana	lytical Method:	FDA Import GC/MS/MS Pe - So	Prometryn	ND	0.010
		EDA 202	Pronamide (Propyzamide)	ND	0.010
Extr	action Method:	FDA 302	Propachlor	ND	0.010
n	ate Extracted:	4/4/2017	Propanil	ND	0.010
	ato Extracteu.	772011	Propargite	ND	0.010
Da	te Completed:	4/5/2017	Propetamphos	ND	0.010
			Propham	ND	0.030
	Surrogate:		Propiconazole I	ND	0.010
	_		Propiconazole II	ND	0.010
Sı	urrogate Level:		Propoxur	ND	0.010
			Pyracarbolid	ND	0.010
	Recovery:		Pyraclostrobin	ND	0.030
			Pyrazophos	ND	0.010
_	9.1		Pyridaben	ND	0.010
Comm	ients:		Pyridaphenthion	ND ND	0.010 0.010
			Pyrifenox I Pyrifenox II	ND	0.010
			Pyrimethanil	ND	0.010
			Pyriproxyfen	ND	0.010
			Quinalphos	ND	0.010
			Quinoxyfen	ND	0.010
			Quintozene	ND	0.010
			Resmethrin -cis (cismethrin)	ND	0.010
			Ronnel (Fenchlorphos)	ND	0.010
			Secbumeton	ND	0.010
			Simazine	ND	0.010
norted on	another Cerees		Cimatum.	ND	0.010

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Date: __04/13/17

Reviewed by:

Jonald a. Peterso

0.010

ND

Simetryn

Analytical Report Revised

A	April 26, 2017	
Client:	Jay Billings Northeast Geoscience 97 Walnut Street Clinton , MA 01510	
Phone: Fax: Email:	(978) 365-9045 (978) 365-9378 jbillings@ngeo.net	

Project No:	
PO No:	

Sample Date:	3/21/2017
EMA Sample No:	17032222-04a
Date Received:	3/22/2017
Sample Matrix:	Soil

Client Sample ID: S-4 (S)

Analytical Method:	FDA Import GC/MS/MS Sp - Z
Extraction Method:	FDA 302
Date Extracted:	4/4/2017
Date Completed:	4/5/2017

Surrogate:	
Surrogate Level:	

Recovery:

Analyte	Amount ppm	RL ppm
Spirodiclofen	ND	0.030
Spiromesifen	ND	0.030
Spiroxamine I	ND	0.010
Spiroxamine II	ND	0.010
Sulfotep	ND	0.010
Sulprofos	ND	0.030
Tebuconazole	ND	0.010
Tebufenpyrad	ND	0.010
Tebupirimfos	ND	0.010
Tebutam	ND	0.010
Tebuthiuron	ND	0.010
Tecnazene (TCNB)	ND	0.010
Tefluthrin, cis-	ND	0.010
Terbacil	ND	0.010
Terbufos	ND	0.010
Terbumeton	ND	0.030
Terbuthylazine	ND	0.030
Tetrachloraniline, 2,3,5,6-	ND	0.010
Tetrachlorvinphos, e-isomer	ND	0.010
Tetraconazole	ND	0.010
Tetradifon	ND	0.010
Tetrahydrophthalimide, cis-1,2,3,6-	ND	0.010
Tetrahydrophthalimide, cis-Delta 4-	ND	0.030
Tetramethrin I	ND	0.010
Tetramethrin II	ND	0.010
Thiabendazole	ND	0.030
Thiamethoxam	ND	0.010
Thionazin	ND	0.030
Tolclofos-methyl	ND	0.010
Tolylfluanid	ND	0.010
Triadimefon	ND	0.010
Triadimenol	ND	0.010
Triazophos	ND	0.010
Tricyclazole	ND	0.030
Trifloxystrobin	ND	0.010
Triflunizole	ND	0.010
Trifluralin	ND	0.010
Trimethacarb, 2,3,5-	ND	0.010
Trimethacarb, 3,4,5-	ND	0.010
Trimidal (Nuarimol)	ND	0.010
Triticonazole	ND	0.010
Vernolate Vinclozolin	ND ND	0.030 0.010
VIIICIOZOIIN	ND	0.010

Comments:

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ND = None Detected at the Reporting Limit (RL)
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Date: 04/13/17 Reviewed by: _

Don Peterson, Laboratory Director

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

	Analytica	Report Revised	Analyte	Amount	RL
A	April 26, 2017		Analyte	ppm	ppm
			3-Hydroxycarbofuran	ND	0.010
Client:	Jay Billings		Acephate	ND	0.010
	Northeast Geo	science	Acetamiprid	ND	0.010
	97 Walnut Stre		Acetochlor	ND	0.010
	Clinton, MA	01510	Acibenzolar-S-methyl	ND	0.010
Phone:	(978) 365-904	5	Aldinarhaulfana	ND ND	0.010 0.010
Fax:	(978) 365-937	8	Aldicarb-sulfone Aldicarb-sulfoxide	ND ND	0.010
Email:	jbillings@ngeo.n	et	Ametryn	ND	0.010
			Amicarbazone	ND	0.010
			Aminocarb	ND	0.010
			Aspon	ND	0.010
			Atrazine	ND	0.010
			Avermectin Ba	ND	0.010
	Project No:		Azinphos-methyl	ND	0.010
			Azoxystrobin	ND	0.010
	PO No:		Benalaxyl	ND	0.010
			Bendiocarb	ND	0.010
		0.440	Benfuracarb	ND	0.010
Clie	ent Sample ID:	S-4 (S)	Bensulide	0.02	0.010
			Benzoximate	ND	0.010
			Bifenazate	ND	0.010
			Bitertanol	ND	0.010
	Sample Date:	3/21/2017	Boscalid	ND	0.010
_	- 2		Bromuconazole (isomer) Bupirimate	ND ND	0.010 0.010
EN	4A Sample No:	17032222-04a	Buprofezin	ND	0.010
Г	Date Received:	3/22/2017	Butafenacil	ND	0.010
			Butocarboxim	ND	0.010
	Sample Matrix:	Soil	Carbaryl	ND	0.010
			Carbendazim	ND	0.010
		FDA Import LC/MS/MS A-C	Carbetamide	ND	0.010
Ana	lytical Method:	T DA IMPORT ECIMISMIS A-C	Carbofuran	ND	0.010
Extr	action Method:	FDA 302	Carbosulfan	ND	0.010
-XII	dollon Method.		Carboxine	ND	0.010
D	ate Extracted:	4/4/2017	Carfentrazone-ethyl	ND	0.010
		8 83	Chlorantraniliprole	ND	0.010
Da	ite Completed:	4/5/2017	Chlordimeform	ND	0.010
			Chlorfenvinphos	ND	0.010
	Surrogate:		Chlorfluazuron Chloroxuron	ND ND	0.010
91	urrogate Level:		Chlorpyrifos	ND	0.010
	arrogate Level.		Chlorpyrifos-methyl	ND	0.010
	Recovery:		Chlortoluron	ND	0.010
	,.		Clethodim	ND	0.010
			Clofentezine	ND	0.010
Comm	nents:		Clothianidin	ND	0.010
			Coumaphos	ND	0.010
			Cumyluron	ND	0.010
			Cyanazine	ND	0.010
			Cyazofamid	ND	0.010
			Cycluron	ND	0.010
			Cyflufenamid	ND	0.010
			Cyhexatin	ND	0.010
			Cymraenazala (isomar)	ND ND	0.010
			Cyproconazole (isomer) Cyprodinil	ND	0.010
			Cyromazine	ND	0.010
eported on	another Screen		-,	,,,,	2.5.5

	Analytica	I Report Revised		Amount	RL
	pril 26, 2017	•	Analyte	ppm	ppm
Client:	In Dillings		Daimuron Diafenthiuron	ND ND	0.010 0.010
Client.	Jay Billings Northeast Geo	agionas	Diazinon	ND	0.010
	97 Walnut Str		Dichloryos	ND	0.010
	Clinton, MA		Diclobutrazol	ND	0.010
Dhama	H PRESENTATION . LAN		Dicrotophos	ND	0.010
Phone:	(978) 365-904 (978) 365-937		Diethofencarb	ND	0.010
Fax: Email:	jbillings@ngeo.i		Difenoconazole	ND	0.010
Lindii.	Juliingsengeo.		Diflubenzuron Dimethenamide	ND ND	0.010 0.010
			Dimethoate	ND	0.010
			Dimethomorph	ND	0.010
			Dimoxystrobin	ND	0.010
	5		Diniconazole	ND	0.010
	Project No:		Dioxacarb	ND	0.010
	DO N		Diuron	ND	0.010
	PO No:		DMST	ND	0.010
			DNOC Dodine	ND ND	0.010 0.010
Clie	ent Sample ID:	S-4 (S)	Doramectin	ND	0.010
Olic	are complete.		Emamectin Ba	ND	0.010
			Epoxiconazole	ND	0.010
			Eprinomectin	ND	0.010
	CI- D-t	3/21/2017	Esprocarb	ND	0.010
	Sample Date:	3/21/2017	Ethidimuron	ND	0.010
EM	IA Sample No:	17032222-04a	Ethiofencarb	ND	0.010
D	ate Received:	3/22/2017	Ethiofencarb-sulfoxide Ethion	ND ND	0.010 0.010
_			Ethiprole	ND	0.010
5	Sample Matrix:	Soil	Ethirimol	ND	0.010
			Ethofumesate	ND	0.010
Anal	ytical Method:	FDA Import LC/MS/MS D-F	Ethoprop	ND	0.010
Allai	yticai wetilou.	•	Etobenzanid	ND	0.010
Extra	action Method:	FDA 302	Etoxazole	ND ND	0.010 0.010
De		4/4/2017	Famoxadone Fenamidone	ND	0.010
Da	ate Extracted:	4/4/2017	Fenarimol	ND	0.010
Dat	te Completed:	4/5/2017	Fenazaquin	ND	0.010
			Fenbuconazole	ND	0.010
	Surrogate:		Fenbutatin Oxide	ND	0.010
			Fenhexamid	ND ND	0.010 0.010
Su	rrogate Level:		Fenobucarb Fenoxycarb	ND ND	0.010
	Recovery:		Fenpropimorph	ND	0.010
	necovery.		Fenpyroximate	ND	0.010
			Fenuron	ND	0.010
Comm	ents:		Flonicamid	ND	0.010
			Fluazifop-butyl	ND	0.010
			Flubendiamide	ND ND	0.010 0.010
			Fludioxinil Flufenacet	ND	0.010
			Flufenoxuron	ND	0.010
			Fluometuron	ND	0.010
			Fluopicolide	ND	0.010
			Fluoxastrobin	ND	0.010
			Fluquinconazole	ND	0.010
			Flusilazole Flutolanil	ND ND	0.010 0.010
R = Reported on	another Screen		Flutriafol	ND	0.010
ND - None Deter	ted at the Report	ing Limit (RL)		ND	0.010
no claims as to the	aken from 40 CFR are accuracy of tole	§ 180. Environmental Micro Analysis, Inc rance numbers.	Forchlorfenuron	ND	0.010
Excess sample a	nd extracts are sto	red for a minimum of 30 days from the da		ND	0.010
	Special storage a ly to items tested.	rrangements possible.	Fuberidazole	ND	0.010
Samples are anal	lyzed as received.	avenue in full without within annual bur	Furalaxyl	ND	0.010
Environmental Mi	icro Analysis, Inc.	except in full, without written consent by			
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pui					

Date: __04/13/17

_ Reviewed by: _

Joseph a Peterson, Laboratory Director

Analytical Depart

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

1	Analytica	Report Revised		Amount	RL
	April 26, 2017		Analyte	ppm	ppm
			Halofenozide	ND	0.010
Client:	Jay Billings		Hexaflumuron	ND	0.010
	Northeast Geo	science	Hexazinone	ND	0.010
	97 Walnut Stre		Hexythiazox	ND	0.010
	Clinton, MA	01510	Hydramethylnon	ND	0.010
Phone:	(978) 365-904		Imazalil	ND	0.010
Fax:	(978) 365-937		Imazapyr	ND	0.010
Email:	jbillings@ngeo.n		Imazethapyr	ND	0.010
Cilidii.	jullingsengeo.n	iet	Imibenconazole	ND	0.010
			Imidacloprid	ND	0.010
			Indoxacarb	ND	0.010
			Ipconazole	ND	0.010
			Iprovalicarb	ND	0.010
	Project No:		Isocarbamid Isofenphos	ND ND	0.010
			Isoprocarb	ND	0.010
	PO No:		Isoprothiolane	ND	0.010
	10110.		Isoproturon	ND	0.010
			Ivermectin	ND	0.010
Clie	ent Sample ID:	S-4 (S)	Kresoxim-methyl	ND	0.010
O.I.	one campio ioi	(-)	Lactofen	ND	0.010
			Linuron	ND	0.010
			Malathion	ND	0.010
			Mandipropamid	ND	0.010
	Sample Date:	3/21/2017	Mefenacet	ND	0.010
FM	AA Sample No:	17032222-04a	Mepanipyrim	ND	0.010
Liv	ir Sample No.	Journal of the	Mepronil	ND	0.010
	Date Received:	3/22/2017	Metaflumizone	ND	0.010
3	Sample Matrix:	Soil	Metalaxyl	ND	0.010
•	Sample Matrix.	5511	Metconazole	ND	0.010
			Methamidophos	ND	0.010
Ana	lytical Method:	FDA Import LC/MS/MS H-O	Methfuroxam	ND	0.010
Alla	iyiicai weiiiou.		Methidathion	ND	0.010
Extra	action Method:	FDA 302	Methiocarb	ND	0.010
			Methomyl	ND	0.010
D	ate Extracted:	4/4/2017	Methoprotryne	ND	0.010
Б-		45.004	Methoxyfenozide	ND	0.010
Da	te Completed:	4/5/2017	Metobromuron Metolachlor	ND ND	0.010
	0		Metoxuron	ND	0.010
	Surrogate:		Metrafenone	ND	0.010
Si	urrogate Level:		Metribuzin	ND	0.010
50	arrogate Lever.		Metsulfuron-methyl	ND	0.010
	Recovery:		Mevinphos	ND	0.010
	nocovery.		Mexacarbate	ND	0.010
			Molinate	ND	0.010
Comm	ents.		Monocrotophos	ND	0.010
00			Monolinuron	ND	0.010
			Moxidectin	ND	0.010
			Myclobutanil	ND	0.010
			Napropamide	ND	0.010
			Neburon	ND	0.010
			Nitenpyram	ND	0.010
			Novaluron	ND	0.010
			Omethoate	ND	0.010
			Oxamyl	ND	0.010
			Overdiscal	NID	0.010

Oxadixyl

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Date: 04/13/17

Reviewed by:

Sould a Peters

ND

0.010

ELAP Certificate #2819

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	Analytica	I Report Revised		Amount	RL
A	April 26, 2017	•	Analyte	ppm	ppm
011			Pencycuron	ND	0.010
Client:	Jay Billings		Pendimethalin Phorate	ND ND	0.010 0.010
	Northeast Geo		Phosmet	ND	0.010
	97 Walnut Stre		Phoxim	ND	0.010
DI.	The state of the s		Picoxystrobin	ND	0.010
Phone:	(978) 365-904		Piperonyl butoxide	ND	0.010
Fax: Email:	(978) 365-937 jbillings@ngeo.i		Pirimicarb	ND	0.010
Liliali.	Julilingsengeo.i	ict	Pirimiphos-methyl Prochloraz	ND ND	0.010 0.010
			Promecarb	ND	0.010
			Prometon	ND	0.010
			Prometryn	ND	0.010
	Desired No.		Propachlor	ND	0.010
	Project No:		Propamocarb	ND	0.010
	PO No:		Propargite	ND ND	0.010 0.010
	PO NO.		Propazine Propham	ND	0.010
			Propiconazole	ND	0.010
Clie	ent Sample ID:	S-4 (S)	Propoxur	ND	0.010
			Propyzamide	ND	0.010
			Pymetrozin	ND	0.010
			Pyracarbolid	ND	0.010
	Sample Date:	3/21/2017	Pyraclostrobin	ND	0.010
	5		Pyridaben Pyridaphenthion	ND ND	0.010 0.010
EM	1A Sample No:	17032222-04a	Pyrimethanil	ND	0.010
0	Date Received:	3/22/2017	Pyriproxyfen	ND	0.010
	Comple Metrica	Soil	Quinoxyfen	ND	0.010
,	Sample Matrix:	3011	Sebuthylazine	ND	0.010
			Secbumeton	ND	0.010
Ana	lytical Method:	FDA Import LC/MS/MS P-Trid	Sethoxydim Siduron	ND ND	0.010 0.010
		FDA 302	Simazine	ND	0.010
Extra	action Method:	FDA 302	Simetryn	ND	0.010
D	ate Extracted:	4/4/2017	Spinetoram-J +L	ND	0.010
-			Spinosad	ND	0.010
Da	te Completed:	4/5/2017	Spirodiclofen	ND	0.010
	_		Spiromecifen Spirotetramat	ND ND	0.010 0.010
	Surrogate:		Spiroxamine	ND	0.010
Su	rrogate Level:		Sulfentrazone	ND	0.010
			Tebuconazole	ND	0.010
	Recovery:		Tebufenozide	ND	0.010
			Tebufenpyrad	ND	0.010
	Street on the state of		Tebuthiuron Temephos	ND ND	0.010 0.010
Comm	ients:		Tepraloxydim	ND	0.010
			Terbumeton	ND	0.010
			Terbutryn	ND	0.010
			Tetraconazole	ND	0.010
			Thiabendazole	ND	0.010
			Thiacloprid	ND ND	0.010 0.010
			Thiamethoxam Thidiazuron	ND	0.010
			Thiobencarb	ND	0.010
			Thiofanox	ND	0.010
			Thiophanate-methyl (Carbendazim)	ND	0.010
R = Reported on	another Screen	ing Limit (PL)	Triadimefon	ND	0.010
Tolerance data ta	cted at the Report aken from 40 CFR	§ 180. Environmental Micro Analysis, Inc. makes rance numbers.	Triadimenol	ND	0.010 0.010
no claims as to the	ne accuracy of tole	rance numbers. ored for a minimum of 30 days from the date of	Triazophos Tricyclazole	ND ND	0.010
analytical report.	Special storage a	rrangements possible.	Tridemorph	ND	0.010
Results relate on	ly to items tested. lyzed as received.				
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Environmental M To see the score	licro Analysis, Inc. e of our ISO 17025	accreditation go to http://emalab.com/ISO17025.			
pdf		3			

Date: __04/13/17

Janual a. Paterson, Laboratory Director

RL

Analytical Report Revised

Amount Analyte April 26, 2017 ppm ppm Trifloxystrobin ND 0.010 Client: Jay Billings Triflumizole ND 0.010 **Northeast Geoscience** Triflumuron 0.010 Triflusulfuron-methyl ND 0.010 97 Walnut Street Clinton, MA 01510 Triphenyl Phosphate 0.010 Triticonazole ND 0.010 (978) 365-9045 Phone: Uniconazole 0.010 ND (978) 365-9378 Fax: Vamidothion 0.010 ND Email: jbillings@ngeo.net Zoxamide ND 0.010

Project No:

PO No:

Client Sample ID: S-4 (S)

Sample Date: 3/21/2017

EMA Sample No: 17032222-04a

Date Received: 3/22/2017

Sample Matrix: Soil

Analytical Method: FDA Import LC/MS/MS Trif-Z

Extraction Method: FDA 302

Date Extracted: 4/4/2017

Date Completed: 4/5/2017

Surrogate:

Surrogate Level:

Recovery:

Comments:

ELAP Certificate #2819

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

Analytical Report Revised

April 26, 2017

Client: Jay Billings

Northeast Geoscience 97 Walnut Street Clinton, MA 01510

(978) 365-9045 Phone: (978) 365-9378 Fax: jbillings@ngeo.net Email:

Amount RL Analyte ppm ppm Ferbam 0.030 ND 0.030 Maneb (Dithane M-22) ND 0.030 Mancozeb 0.030 Metiram ND 0.030 Nabam ND Thiram ND 0.030 Zineb ND 0.030 ND 0.030 Ziram

Project No:

PO No:

Client Sample ID: S-4 (S)

Sample Date: 3/21/2017

EMA Sample No: 17032222-04a

Date Received: 3/22/2017

Sample Matrix: Soil

Analytical Method: EBDC Screen

CDFA Extraction Method:

Date Extracted: 3/31/2017

Date Completed: 3/31/2017

Surrogate:

Surrogate Level:

Recovery:

Comments:

Amount RL

Analytical Report Revised

A	April 26, 2017	Analyte	ppm	ppm
		2, 4 - D	ND	0.250
Client:	Jay Billings	2, 4 -DB	ND	0.250
	Northeast Geoscience	2, 4, 5 - T	ND	0.130
	97 Walnut Street	2, 4, 5 -TP	ND	0.130
	Clinton, MA 01510	Dicamba	ND	0.130
Dhanas	(978) 365-9045	Dichloroprop	ND	0.130
Phone:	**************************************	Bentazon	ND	0.250
Fax:	(978) 365-9378	MCPA	ND	0.250
Email:	jbillings@ngeo.net	MCPP	ND	0.250
		Triclopyr	ND	0.250

Project No:

PO No:

Client Sample ID: S-4 (S)

Sample Date: 3/21/2017
EMA Sample No: 17032222-04a
Date Received: 3/22/2017
Sample Matrix: Soil

Analytical Method: EPA 8151A (s)
Extraction Method: EPA 8151A
Date Extracted: 4/4/2017

Date Completed: 4/10/2017

Surrogate: DCAA
Surrogate Level: 0.2 mg/Kg

Recovery: 71.0

Comments:

Analytical Report Revised

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

	Analytica	ıı Keport	Revised	Analyte	Amount ppm	RL ppm
P	April 26, 2017			75		
				a, b, d-BHC	ND	0.010
Client:	Jay Billings			Alachlor	ND	0.020
	Northeast Ged	oscience		Aldrin	ND	0.010
	97 Walnut Stre	eet		Benfluralin	ND	0.020
	Clinton, MA	01510		Bifenox	ND	0.050
Phone:	(978) 365-904			Boscalid	ND	0.020
	Commence of the commence of th			Bromacil	ND	0.040
Fax:	(978) 365-937			Captafol	ND	0.040
Email:	jbillings@ngeo.r	net		Captan	ND	0.020
				Chlordane (sum of Isomers)	ND	0.020
				Chlorfenapyr	ND	0.040
				Chlorobenzilate	ND	0.040
				Chlorothalonil	ND	0.010
				Cyanazine	ND	0.100
	Project No:			Dacthal	ND	0.020
				DDD	ND	0.020
	PO No:			DDE	ND	0.020
				DDT	ND	0.020
				Dichlobenil	ND	0.030
Clie	ent Sample ID:	S-4 (S)		Dichlone	ND	0.050
O.I.C	one oumpio ioi			Dicloran	ND	0.020
				Dicofol	ND	0.050
				Dieldrin	ND	0.010
				Endosulfan alpha	ND	0.010
	Sample Date:	3/21/2017		Endosulfan beta	ND	0.010
		47000000 04		Endosulfan sulfate	ND	0.010
EM	IA Sample No:	17032222-04a		Endosulfans (Total)	ND	0.010
г	Date Received:	3/22/2017		Endrin	ND	0.010
L	date Received.	GZZZOTI		Ethafluralin	ND	0.030
9	Sample Matrix:	Soil		Fenhexamid	ND	0.030
					ND	0.050
				Folpet		0.030
Ana	lytical Method:	OC Screen		Heptachlor	ND	0.010
	,			Heptachlor epoxide	ND	
Extra	action Method:	CDFA		Hexachlorobenzene	ND	0.010
				Indoxacarb	ND	0.030
Da	ate Extracted:	4/4/2017		Iprodione	ND	0.050
	Refr .co &			Lindane (gamma-BHC)	ND	0.010
Dat	te Completed:	4/5/2017		Linuron	ND	0.150
				Methoxychlor	ND	0.050
	Surrogate:	Dibutylchlorder	nate	Metribuzin	ND	0.020
				Mirex	ND	0.020
Su	ırrogate Level:	0.013 ppm		Myclobutanil	ND	0.050
				Oxadiazon	ND	0.050
	Recovery:	110		Oxyfluorfen	ND	0.040
				Pendimethalin	ND	0.050
				Pentachloronitrobenzene (PCNB)	ND	0.020
Comm	ents:			Pentachloroanaline (PCA)	ND	0.010
				Perthane	ND	0.100
				Polychlorinated Biphenyls	ND	0.250
				Procymidone	ND	0.020
				Profluralin	ND	0.020
				Pronamide	ND	0.050
				Propanil	ND	0.050
				Tetradifon	ND	0.020
				Toxaphene	ND	0.250
				Triadimefon	ND	0.020
				Trifloxystrobin	ND	0.030
				Triflumazole	ND	0.050
R = Reported on				Trifluralin	ND	0.020
ND = None Deter	cted at the Report	ing Limit (RL)		Vegadex (Diethyldithiocarbamic Acid)	ND	0.050
Tolerance data ta	aken from 40 CFR ne accuracy of tole	§ 180. Environmen	tal Micro Analysis, Inc. makes	Vinclozolin	ND	0.020
Excess sample a	nd extracts are sto	red for a minimum of	of 30 days from the date of	Dithiopyr	ND	0.020
analytical report.	Special storage a	rrangements possib		Norflurazon	ND	0.020
Results relate on	ly to items tested.					
Reports should n	lyzed as received. ot be reproduced.	except in full, withou	ut written consent by			
Environmental M	icro Analysis, Inc.					
	of our ISO 17025	accreditation go to	http://emalab.com/ISO17025.			
pdf						

Date: __04/13/17

_____ Reviewed by: _

Joseph a Peterson, Laboratory Director

Analytical Report Revised

April 26, 2017

Client: Jay Billings

Northeast Geoscience 97 Walnut Street Clinton, MA 01510

Phone:

(978) 365-9045 (978) 365-9378 Fax: jbillings@ngeo.net Email:

Analyte	Amount ppm	RL ppm
Bifenthrin	ND	0.020
Cyfluthrin	ND	0.040
Cypermethrin	ND	0.040
Deltamethrin	ND	0.020
Esfenvalerate	ND	0.030
Fenpropathrin	ND	0.010
Fluvalinate	ND	0.040
lambda Cyhalothrin	ND	0.010
Permethrin	ND	0.100
Tralomethrin	ND	0.020
Pyrethrins (Total)	ND	0.050

Project No:

PO No:

Client Sample ID: S-4 (S)

Sample Date: 3/21/2017

EMA Sample No: 17032222-04a

Date Received: 3/22/2017

Sample Matrix: Soil

Analytical Method: Pyrethroid Screen

Extraction Method: CDFA

Date Extracted: 4/4/2017

Date Completed: 4/5/2017

Surrogate: Dibutylchlordenate

Surrogate Level: 0.013 ppm

Recovery: 110

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
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Page: 66 of 136

Analytical Report Revised

Client:	Jay Billings
	Northeast Geoscience
	97 Walnut Street
	Clinton, MA 01510
	Secretary and the residence of the secretary

Phone:	(978) 365-9045
Fax:	(978) 365-9378
Email:	jbillings@ngeo.net

April 26, 2017

Project	
Project	I NO:
110,00	

PO No:

Client Sample ID: S-4 (S)

Sample Date:	3/21/2017
EMA Sample No:	17032222-04b
Date Received:	3/22/2017

Sample Matrix: Soil

Analytical Method: OP Screen

Extraction Method: CDFA

Date Extracted: 4/4/2017

Date Completed: 4/5/2017

Surrogate: Triphenylphosphate

Surrogate Level: 0.067 ppm

Recovery: 118

Analyte	Amount ppm	RL ppm
Acephate	ND	0.020
Azinphos-methyl	ND	0.050
Bolstar	ND	0.030
Bensulide	LC/MS	0.050
Carbofenothion	ND	0.020
Chlorfenvinphos	ND	0.030
Chlorpyrifos	ND	0.020
Chlorpyrifos-methyl	ND	0.030
Ciodrin	ND	0.050
Coumaphos	ND	0.050
DEF	ND	0.050
Demeton (Systox) O/S Analogues	ND	0.040
Diazinon	ND	0.030
Dibrom	ND	0.050
Dichlorvos	ND	0.030
Dicrotophos	ND	0.020
Dimethoate	ND	0.020
Disulfoton	ND	0.020
EPN	ND	0.020
Ethion	ND	0.030
Ethoprop	ND	0.050
Fenamiphos	ND	0.020
Fenitrothion	ND	0.030
Fenthion	ND	0.020
Fonofos	ND	0.040
Isofenphos	ND	0.030
Malathion	ND	0.020
Metasystox-R	ND	0.050
Methamidophos	ND	0.030
Methidathion	ND	0.030
Methyl Parathion	ND	0.030
Mevinphos	ND	0.050
O-methoate	ND	0.050
Parathion	ND	0.040
Phorate	ND	0.050
Phosalone	ND	0.050
Phosmet	ND	0.030
Phosphamidon	ND	0.020
Pyrimiphos-methyl	ND	0.050
Profenofos	ND	0.020
Propetamphos	ND	0.020
Ronnel	ND	0.030
Tetrachlorvinphos	ND	0.020
Thionazin	ND	0.020

Comments:

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ND = None Detected at the Reporting Limit (RL)
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Jonald a Polario Don Peterson, Laboratory Director

Analytical Report Revised

4	April 26, 2017	
Client:	Jay Billings Northeast Geoscience 97 Walnut Street Clinton, MA 01510	
Phone: Fax: Email:	(978) 365-9045 (978) 365-9378 jbillings@ngeo.net	

ct No

PO No:

Client Sample ID: S-4 (S)

Sample Date:	3/21/2017
EMA Sample No:	17032222-04b
Date Received:	3/22/2017
Sample Matrix:	Soil

Analytical Method: ON Screen

Extraction Method: CDFA

Date Extracted: 4/4/2017

Date Completed: 4/5/2017

Surrogate: Triphenylphosphate

Surrogate Level: 0.067 ppm

Recovery: 118

Comments:

Analyte	Amount ppm	RL ppm
Acetamipride	ND	0.050
Atrazine	ND	0.030
Azoxystrobin	ND	0.030
Benthiocarb	ND	0.050
Cyanazine	ND	0.050
Cyromazine	ND	0.050
Cyprodinil	ND	0.050
Dimethomorph	ND	0.050
Diphenyl Amine	ND	0.050
Fenamidone	ND	0.050
Fenbuconazole	ND	0.050
Fipronil	ND	0.050
Fludioxinil	ND	0.050
Hexazinone	ND	0.050
Imazalil	ND	0.050
Kresoxim Methyl	ND	0.050
Metalaxyl	ND	0.050
Metolachlor	ND	0.050
Metribuzin	ND	0.050
Molinate	ND	0.050
Myclobutanil	ND	0.050
Prometon	ND	0.050
Prometryne	ND	0.050
Propamocarb	ND	0.050
Propiconazole	ND	0.050
Pymetrozine	ND	0.050
Pyraclostrobin	ND	0.050
Pyriproxifen	ND	0.050
Sethoxydim	ND	0.050
Simazine	ND	0.050
Tebuconazole	ND	0.050
Terbacil	ND	0.050
Thiabendazole	ND	0.050
Desethyl Atrazine	ND	0.050

	Analytica	l Report	Revised	Analyte	Amount ppm	RL ppm
				Acephate	ND	0.030
Client:	ley Dillings			Acetamiprid	ND	0.030
Ollent.	Jay Billings	anionan		Acrinathrin	ND	0.010
	Northeast Geo			Adiisopropylnaphthalene, 2,6- (DIPN,	ND	0.010
	97 Walnut Stre			Alâchlor	ND	0.010
	Clinton, MA			Aldrin	ND	0.010
Phone:	(978) 365-904	15		Allethrin	ND	0.010
Fax:	(978) 365-937	' 8		Ametryn	ND	0.010
Email:	jbillings@ngeo.r	net		Aminocarb	ND	0.010
				Atrazine	ND	0.010
				Azinphos-methyl	ND	0.010
				Azoxystrobin	ND	0.010
				Benalaxyl	ND	0.010
				Azoxystrobin	ND	0.010
	Project No:			Bendiocarb	ND	0.010
				Benfluralin	ND	0.010
	PO No:			Benoxacor	ND	0.010
				BHC-alpha (Benzene	ND	0.010
				BHC-beta	ND	0.010
Clie	ent Sample ID:	S-5 (S)		BHC-delta	ND	0.010
				BHC-gamma (Lindane, gamma HCH)	ND	0.010
				Bifenox	ND	0.010
				Bifenthrin	ND ND	0.010 0.010
	Sample Date:	3/21/2017		Bioresmethrin (resmethrin-trans)	ND	0.010
	Sample Date.			Bitertanol I Bitertanol II	ND	0.010
EN	AA Sample No:	17032222-05a		Boscalid	ND	0.010
г	Date Received:	3/22/2017		Bromacil	ND	0.030
				Bromophos-ethyl	ND	0.010
	Sample Matrix:	Soil		Bromophos-methyl	ND	0.010
				Bromopropylate	ND	0.010
		EDA Imment CO	MICAIC A CV	Bupirimate	ND	0.010
Ana	lytical Method:	FDA Import GC	/IVIS/IVIS A - CX	Buprofezin (z-isomer)	ND	0.010
Frete	aatian Mathadi	FDA 302		Butachlor	ND	0.010
EXII	action Method:			Butralin	ND	0.010
D	ate Extracted:	4/4/2017		Butylate	ND	0.030
				Cadusafos	ND	0.010
Da	te Completed:	4/5/2017		Captafol	ND	0.010
				Captan	ND	0.030
	Surrogate:			Carbaryl	ND	0.010
_				Carbofuran	ND ND	0.010 0.010
Si	urrogate Level:			Carbophenothion-ethyl Carbophenothion-methyl (methyl	ND	0.010
	Doggverve			Carbosulfan	ND	0.030
	Recovery:			Carbosin	ND	0.010
				Chlorbenzilate	ND	0.010
Comm	onte:			Chlordane-alpha	ND	0.010
Comm	ients.			Chlordane-oxy	ND	0.010
				Chlordane-trans (gamma)	ND	0.010
				Chlordimeform	ND	0.010
				Chlorfenapyr	ND	0.010
				Chlorfenvinphos	ND	0.010
				Chlorobenzilate	ND	0.010
				Chloroneb	ND	0.010
				Chlorothalonil	ND	0.030
				Chlorpropham	ND	0.010
				Chlorpyrifos-ethyl	ND ND	0.010
				Chlorpyrifos-methyl	ND	0.010

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ND = None Detected at the Reporting Limit (RL)
Tolerance data taken from 40 CFR § 180. Environmental Micro Analysis, Inc. makes
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Date: 04/13/17 _ Reviewed by: _ Chlorpyrifos-methyl

Chlorthiophos

Clomazone

Coumaphos

Crotoxyphos

ND

ND

ND

ND

0.010

0.010

0.010

0.010

	Analytica pril 26, 2017	Report Revised	Analyte	Amount ppm	RL ppm
			Cyanazine	ND	0.010
Client:	Jay Billings		Cyanofenphos	ND	0.010
	Northeast Geo	science	Cyanophos	ND	0.010
	97 Walnut Stre	eet	Cycloate	ND	0.030
	Clinton, MA		Cycluron	ND	0.010
DI.			Cyfluthrin (Total)	ND	0.010
Phone:	(978) 365-904		Cyhalothrin (lambda)	ND	0.010
Fax:	(978) 365-937		Cymiazole	ND	0.010
Email:	jbillings@ngeo.r	net	Cypermethrin (Total)	ND	0.010
			Cyproconazole	ND	0.010
			Cyprodinil	ND	0.010
			DCPA (dacthal, Chlorthal-dimethyl)	ND	0.010
			DDD-o,p'	ND	0.030
			DDD-p,p'	ND	0.010
	Project No:		DDE-o,p'	ND	0.010
			DDE-p,p'	ND	0.010
	PO No:		DDT-o,p'	ND ·	0.010
			DDT-p,p'	ND	0.030
			DEF (Tribufos)	ND	0.010
Clie	nt Sample ID:	S-5 (S)	Deltamethrin	ND	0.010
			Demeton-s-methyl	ND	0.030
			Desmedipham	ND	0.010
			Desmetryn	ND	0.010
		0.00.000	Diallate I	ND	0.030
	Sample Date:	3/21/2017	Diallate II	ND	0.010
EM	A Sample No:	17032222-05a	Diazinon	ND	0.010
			Diazinon-oxon (diazoxon)	ND	0.010
D	ate Received:	3/22/2017	Dichlofenthion	ND	0.010
	Sample Matrix:	Soil	Dichlofluanid	ND	0.030
•	bampic Matrix.	3011	Dichlorobenzonitrile, 2,6- (Dichlobenil)	ND	0.030
			Dichlorvos	ND	0.030
Anal	ytical Method:	FDA Import GC/MS/MS Cy - D	Dichloran (Dichloran)	ND	0.030
Allai	yticai wetilou.		Dicofol-o,p'	ND	0.010
Extra	ction Method:	FDA 302	Dicofol-p,p' (Kelthane)	ND	0.010
			Dicrotofos (Dicrotophos)	ND	0.010
Da	ate Extracted:	4/4/2017	Dieldrin	ND	0.010
			Diethofencarb	ND	0.010
Dat	te Completed:	4/5/2017	Difenoconazole I	ND	0.010
			Difenoconazole II	ND	0.010
	Surrogate:		Dimethachlor	ND	0.010
_			Dimethoate	ND	0.010
Su	rrogate Level:		Dimethomorph I	ND	0.010
	_		Dimethomorph II	ND	0.010
	Recovery:		Diniconazole	ND	0.010
			Dinitramine	ND	0.030
	arran Service		Dioxacarb	ND	0.030
Comm	ents:		Dioxathion	ND	0.010
			Diphenamid	ND	0.010
			Diphenylamine	ND	0.010
			Disulfoton	ND	0.010
			Disulfoton Sulfone	ND	0.010

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	Analytica pril 26, 2017	l Report	Revised	Analyte	Amount ppm	RL ppm
				Edifenphos	ND	0.010
Client:	Jay Billings			Endosulfan I (alpha Isomer)	ND	0.010
	Northeast Geo	oscience		Endosulfan II (beta Isomer)	ND	0.010
	97 Walnut Stre			Endosulfan Sulfate	ND	0.010
	Clinton, MA			Endrin	ND	0.010
	and the second second of			Endrin Aldehyde	ND	0.030
Phone:	(978) 365-904			EPN	ND	0.010
Fax:	(978) 365-937			Epoxiconazole	ND	0.010
Email:	jbillings@ngeo.r	net		Esfenvalerate (Fenvalerate A-alpha)	ND	0.010
				Etaconazole I	ND	0.010
				Ethalfluralin (Sonalan)	ND	0.010
				Ethiofencarb	ND	0.010
				Ethiolate	ND	0.030
	Desired No.			Ethion	ND	0.010
	Project No:			Ethofumesate	ND	0.010
				Ethoprophos (Ethoprop)	ND	0.030
	PO No:			Ethoxyquin	ND	0.030
				Etoxazole	ND	0.010
220		0 - (0)		Etrimfos	ND	0.010
Clie	ent Sample ID:	S-5 (S)		Famoxadone	ND	0.010
				Famphur	ND	0.010
				Fenamidone	ND	0.030
				Fenamiphos (Phenamiphos)	ND	0.010
	Sample Date:	3/21/2017		Fenamiphos Sulfone	ND	0.010
	Sample Date.			Fenarimol	ND	0.010
EM	IA Sample No:	17032222-05a		Fenazaquin	ND ND	0.010 0.010
D	ate Received:	3/22/2017		Fenbuconazole	ND	0.010
b	ate Received.	3/22/2017		Fenfuram Fenhexamid	ND	0.010
5	Sample Matrix:	Soil		Fenitrothion	ND	0.010
				Fenobucarb	ND	0.010
				Fenoxycarb	ND	0.010
Anal	ytical Method:	FDA Import GC	C/MS/MS E - H	Fenpropathrin	ND	0.010
_		FDA 302		Fenpropimorph	ND	0.010
Extra	action Method:	FDA 302		Fensulfothion	ND	0.010
D:	ate Extracted:	4/4/2017		Fenthion	ND	0.010
Da	ate Extracted.	41412011		Fenvalerate II	ND	0.010
Dat	te Completed:	4/5/2017		Fipronil	ND	0.010
				Flonicamid	ND	0.010
	Surrogate:			Fluchloralin	ND	0.010
				Flucythrinate I	ND	0.010
Su	rrogate Level:			Flucythrinate II	ND	0.010
				Fludioxonil	ND	0.030
	Recovery:			Fluopicolide	ND	0.010
				Fluquiniconazole	ND	0.010
				Flurenol-butyl	ND	0.010
Comm	ents:			Fluridone	ND	0.010
				Flusilazole	ND	0.010
				Flutolanil	ND	0.010 0.010
				Flutriafol Fluvalinate I	ND ND	0.010
				Folpet	ND	0.010
				Fonofos	ND	0.010
				Fuberidazole	ND	0.030
				Furalaxyl	ND	0.010
				Heptaclor	ND	0.010
				Heptachlor exo-epoxide (Isomer B)	ND	0.010
				Heptenophos	ND	0.010
R = Reported on	another Screen			Hexachlorobenzene	ND	0.030
ND = None Detec	cted at the Report	ing Limit (RL)	tal Miara Anglusia Ing makag	Hexaconazole	ND	0.010
no claims as to th	aken from 40 CFR ne accuracy of tole	s 180. Environment	ntal Micro Analysis, Inc. makes	Hexythiazox	ND	0.030
analytical report. Results relate on Samples are ana Reports should n	Special storage a ly to items tested. lyzed as received. ot be reproduced,	rrangements possil	of 30 days from the date of ole. out written consent by			
Environmental Mi	icro Analysis, Inc.		http://emalab.com/ISO17025.			
pdf	, or our 130 17025	accreation go to	mp.//omalab.com/16017025.			
±40						

Joseph a Palares Don Peterson, Laboratory Director

	Analytica pril 26, 2017	l Report	Revised	Analyte	Amount ppm	RL ppm
				Imazalil	ND	0.030
Client:	Jay Billings			Indoxacarb	ND	0.010
	Northeast Geo	science		Iprobenfos	ND	0.030
	97 Walnut Stre	eet		Iprodione	ND	0.030
	Clinton, MA			Isocarbamid (Isocarbamide)	ND	0.010
Phone:	(978) 365-904			Isocarbophos	ND	0.010
				Isodrin	ND	0.010
Fax: Email:	(978) 365-937			Isofenphos	ND	0.010
Email:	jbillings@ngeo.r	iet		Isoprocarb	ND	0.010
				Isopropalin	ND	0.010
				Isoprothiolane	ND	0.030
				Isoproturon	ND	0.030
				Kresoxim-methyl	ND	0.010
	Project No:			Lenacil	ND	0.010
	r roject No.			Leptophos	ND	0.010
	DO No.			Linuron	ND	0.010
	PO No:			Malaoxon (metabolite of Malathion)	ND	0.010
				Malathion	ND	0.010
Clia	at Camala ID.	C E (C)		Mecarbam	ND	0.010
Cile	ent Sample ID:	S-5 (S)		Mepanipyrim	ND	0.010
				Mepronil	ND	0.010
				Metalaxyl	ND	0.010
				Metaldehyde	ND	0.030
	Sample Date:	3/21/2017		Methidathion	ND	0.010
				Methiocarb	ND	0.010
EM	IA Sample No:	17032222-05a		Methoprene	ND ND	0.030 0.010
п	ate Received:	3/22/2017		Methoprotryne Methoxychlor, o,p'-	ND	0.010
	ate neceived.	G		Methoxychlor, p,p'-	ND	0.010
5	Sample Matrix:	Soil		Metolachlor	ND	0.010
				Metolcarb	ND	0.030
		ED41		Metrafenone	ND	0.010
Anal	ytical Method:	FDA Import GC	/MS/MS I - Pd	Metribuzin	ND	0.010
		FDA 302	2	Mevinphos	ND	0.030
Extra	action Method:	1 DA 302		Mexacarbate	ND	0.010
D:	ate Extracted:	4/4/2017		MGK-264	ND	0.010
	ato Extraotou.			Mirex	ND	0.010
Dat	te Completed:	4/5/2017		Molinate	ND	0.030
	•			Monocrotophos	ND	0.030
	Surrogate:			Monolinuron	ND	0.010
	J			Myclobutanil	ND	0.010
Su	rrogate Level:			Naled	ND	0.030
				Naphthaleneacetamide, 1-	ND	0.010
	Recovery:			Napropamide	ND	0.010
				Nicotine	ND	1.000
				Nitrofen	ND	0.010
Comm	ents:			Nitrothal-isopropyl	ND	0.010
				Nonachlor, cis-	ND	0.010
				Nonachlor, Trans-	ND	0.010
				Nuarimol	ND	0.010
				Omethoate Oxadiazon	ND ND	0.010 0.010
				Oxadixyl	ND	0.010
				Oxyflurofen	ND	0.030
				Paclobutrazole	ND	0.030
				Paraoxon-ethyl	ND	0.010
				Paraoxon-methyl	ND	0.010
				Parathion-ethyl	ND	0.010
R = Reported on	another Screen			Parathion-methyl	ND	0.010
Tolerance data ta no claims as to th Excess sample a analytical report. Results relate on Samples are ana Reports should n	nd extracts are sto Special storage a ly to items tested. lyzed as received. ot be reproduced,	§ 180. Environmer rance numbers. ored for a minimum rrangements possil	ntal Micro Analysis, Inc. makes of 30 days from the date of ble. out written consent by			
To see the scope	icro Analysis, Inc. of our ISO 17025	accreditation on to	http://emalab.com/ISO17025.			
pdf						

Woodland, CA 95776

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

RL

ppm

Amount ppm

ND

ND

ND

ND

ND

ND

0.010

0.010

0.010

0.010

0.010

0.010

Analytical	Report	Revised
April 26, 2017		

			Penconazole	ND	0.010
Client:	Jay Billings		Pendimethalin (Penoxaline)	ND	0.010
	Northeast Geo	oscience	Pentachloroaniline	ND	0.010
	97 Walnut Stre	eet	Pentachloroanisole	ND	0.010
	Clinton , MA		Pentachlorobenzonitrile	ND	0.010
DI.	(978) 365-904		Pentachlorothioanisole	ND	0.010
Phone:			Peopiconazole	ND	0.010
Fax:	(978) 365-937		Permethrin I	ND	0.010
Email:	jbillings@ngeo.r	net	Permethrin II (trans)	ND	0.010
			Phenothrin I	ND	0.010
			Phenothrin II	ND	0.010
			Phenthoate	ND	0.010
			Phenylphenol, 2-	ND	0.010
			Phorate	ND	0.010
	Project No:		Phorate sulfone	ND	0.010
			Phorate sulfoxide	ND	0.010
	PO No:		Phosalone	ND	0.010
			Phosmet	ND	0.010
			Phosmet oxon	ND	0.030
Clie	ent Sample ID:	S-5 (S)	Phosphamidon I	ND	0.010
			Phosphamidon II	ND	0.010
			Piperonyl Butoxide	ND	0.010
			Pirimicarb	ND	0.010
			Pirimiphos-ethyl	ND	0.010
	Sample Date:	3/21/2017	Pirimiphos-methyl	ND	0.010
FM	A Sample No:	17032222-05a	Prochloraz	ND	0.010
			Procymidone	ND	0.010
	Date Received:	3/22/2017	Prodiamine	ND	0.030
	Sample Matrix:	Soil	Profenofos	ND	0.010
•	запіріє маціх.	5011	Profluralin	ND	0.010
			Promecarb	ND	0.010
A	lutical Mathod:	FDA Import GC/MS/MS Pe - So	Prometon	ND	0.010

Analyte

Prometryn

Propachlor

Secbumeton

Simazine

Simetryn

Pronamide (Propyzamide)

Analytical Method: FDA Import GC/MS/MS Pe - So

FDA 302 **Extraction Method:**

Date Extracted: 4/4/2017

Date Completed: 4/5/2017

Surrogate:

Surrogate Level:

Recovery:

Comments:

Topacillo	140	0.010
Propanil	ND	0.010
Propargite	ND	0.010
Propetamphos	ND	0.010
Propham	ND	0.030
Propiconazole I	ND	0.010
Propiconazole II	ND	0.010
Propoxur	ND	0.010
Pyracarbolid	ND	0.010
Pyraclostrobin	ND	0.030
Pyrazophos	ND	0.010
Pyridaben	ND	0.010
Pyridaphenthion	ND	0.010
Pyrifenox I	ND	0.010
Pyrifenox II	ND	0.010
Pyrimethanil	ND	0.010
Pyriproxyfen	ND	0.010
Quinalphos	ND	0.010
Quinoxyfen	ND	0.010
Quintozene	ND	0.010
Resmethrin -cis (cismethrin)	ND	0.010
Ronnel (Fenchlorphos)	ND	0.010

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Tonald a. Peterso

Page: 73 of 136

F	Analytica	Report Revised		Amount	RL
	pril 26, 2017		Analyte	ppm	ppm
			Spirodiclofen	ND	0.030
Client:	Jay Billings		Spiromesifen	ND	0.030
	Northeast Geo	science	Spiroxamine I	ND	0.010
	97 Walnut Stre	eet	Spiroxamine II	ND	0.010
	Clinton, MA	01510	Sulfotep	ND	0.010
Phone:	(978) 365-904	5	Sulprofos	ND	0.030
Fax:	(978) 365-937		Tebuconazole	ND	0.010
Email:	jbillings@ngeo.r		Tebufenpyrad	ND	0.010
Linan.	Julingsengco.i	ict	Tebupirimfos	ND	0.010
			Tebutam	ND	0.010
			Tebuthiuron	ND	0.010
			Tecnazene (TCNB)	ND	0.010
			Tefluthrin, cis-	ND	0.010
	Project No:		Terbacil	ND	0.010
			Terburges	ND ND	0.010
	PO No:		Terbumeton		
	FO NO.		Terbuthylazine	ND	0.030
			Tetrachloraniline, 2,3,5,6-	ND ND	0.010
Clio	ent Sample ID:	S-5 (S)	Tetrachlorvinphos, e-isomer Tetraconazole	ND	0.010
Cile	iit Sample ID.	J-3 (J)	Tetradifon	ND	0.010
			Tetrahydrophthalimide, cis-1,2,3,6-	ND	0.010
			Tetrahydrophthalimide, cis-1,2,3,6-	ND	0.010
			Tetramethrin I	ND	0.010
	Sample Date:	3/21/2017	Tetramethrin II	ND	0.010
		17000000 05-	Thiabendazole	ND	0.030
EM	IA Sample No:	17032222-05a	Thiamethoxam	ND	0.010
D	ate Received:	3/22/2017	Thionazin	ND	0.030
			Tolclofos-methyl	ND	0.010
5	Sample Matrix:	Soil	Tolylfluanid	ND	0.010
			Triadimefon	ND	0.010
		FDA Import GC/MS/MS Sp - Z	Triadimenol	ND	0.010
Anal	ytical Method:	FDA IIIIport GC/MS/MS Sp - Z	Triazophos	ND	0.010
Evtre	action Method:	FDA 302	Tricyclazole	ND	0.030
EXII	action wethou:		Trifloxystrobin	ND	0.010
Da	ate Extracted:	4/4/2017	Triflunizole	ND	0.010
			Trifluralin	ND	0.010
Dat	te Completed:	4/5/2017	Trimethacarb, 2,3,5-	ND	0.010
			Trimethacarb, 3,4,5-	ND	0.010
	Surrogate:		Trimidal (Nuarimol)	ND	0.010
			Triticonazole	ND	0.010
Su	rrogate Level:		Vernolate	ND	0.030
			Vinclozolin	ND	0.010

Comments:

Recovery:

R = Reported on another Screen
ND = None Detected at the Reporting Limit (RL)
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Amount RL

Analytical Report Revised April 26, 2017

Client: Jay Billings **Northeast Geoscience** 97 Walnut Street Clinton, MA 01510 (978) 365-9045 Phone: (978) 365-9378 Fax: Email: jbillings@ngeo.net

Project No:

PO No:

Client Sample ID: S-5 (S)

Sample Date: 3/21/2017 EMA Sample No: 17032222-05a Date Received: 3/22/2017

Sample Matrix: Soil

Analytical Method: FDA Import LC/MS/MS A-C

Extraction Method: FDA 302

Date Extracted: 4/4/2017

Date Completed: 4/5/2017

Surrogate:

Surrogate Level:

Recovery:

Comments:

Analyte	ppm	ppm
3-Hydroxycarbofuran	ND	0.010
Acephate	ND	0.010
Acetamiprid	ND	0.010
Acetochlor	ND	0.010
Acibenzolar-S-methyl	ND	0.010
Alanycarb	ND	0.010
Aldicarb-sulfone	ND	0.010
Aldicarb-sulfoxide	ND	0.010
Ametryn	ND	0.010
Amicarbazone	ND	0.010
Aminocarb	ND	0.010
Aspon	ND	0.010
Atrazine	ND	0.010
Avermectin Ba	ND	0.010
Azinphos-methyl	ND	0.010
Azoxystrobin	ND	0.010
Benalaxyl	ND	0.010
Bendiocarb	ND	0.010
Benfuracarb	ND	0.010
Bensulide	ND	0.010
Benzoximate	ND	0.010
Bifenazate	ND	0.010
Bitertanol	ND	0.010
Boscalid	ND	0.010
Bromuconazole (isomer)	ND	0.010
Bupirimate	ND	0.010
Buprofezin	ND	0.010
Butafenacil	ND ND	0.010 0.010
Butocarboxim	ND	0.010
Carbaryl Carbendazim	0.01	0.010
Carbetamide	ND	0.010
Carbofuran	ND	0.010
Carbosulfan	ND	0.010
Carboxine	ND	0.010
Carfentrazone-ethyl	ND	0.010
Chlorantraniliprole	ND	0.010
Chlordimeform	ND	0.010
Chlorfenvinphos	ND	0.010
Chlorfluazuron	ND	0.010
Chloroxuron	ND	0.010
Chlorpyrifos	ND	0.010
Chlorpyrifos-methyl	ND	0.010
Chlortoluron	ND	0.010
Clethodim	ND	0.010
Clofentezine	ND	0.010
Clothianidin	ND	0.010
Coumaphos	ND	0.010
Cumyluron	ND	0.010
Cyanazine	ND	0.010
Cyazofamid	ND	0.010
Cycluron	ND ND	0.010 0.010
Cyflufenamid	ND ND	0.010
Cyhexatin Cymoxanil	ND	0.010
Cyproconazole (isomer)	ND	0.010
Cyprodinil	ND	0.010
Cyromazine	ND	0.010
-%	2.500	

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.
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_ Don Peterson, Laboratory Director

-	Analytica	Report F	Revised		Amount	RL
A	April 26, 2017			Analyte	ppm	ppm
011				Daimuron	ND	0.010
Client:	Jay Billings			Diafenthiuron Diazinon	ND ND	0.010 0.010
	Northeast Geo			Dichlorvos	ND ND	0.010
	97 Walnut Stre			Diclobutrazol	ND	0.010
DI				Dicrotophos	ND	0.010
Phone:	(978) 365-904 (978) 365-937			Diethofencarb	ND	0.010
Fax: Email:	jbillings@ngeo.r			Difenoconazole	ND	0.010
Lillaii.	Johnnigsengeo.i	ict		Diflubenzuron	ND	0.010
				Dimethenamide Dimethoate	ND ND	0.010 0.010
				Dimethomorph	ND	0.010
				Dimoxystrobin	ND	0.010
	Desiret No.			Diniconazole	ND	0.010
	Project No:			Dioxacarb	ND	0.010
	DO No.			Diuron	ND	0.010
	PO No:			DMST	ND	0.010
				DNOC Dodine	ND ND	0.010
Clie	ent Sample ID:	S-5 (S)		Doramectin	ND ND	0.010
				Emamectin Ba	ND	0.010
				Epoxiconazole	ND	0.010
				Eprinomectin	ND	0.010
	Sample Date:	3/21/2017		Esprocarb	ND	0.010
				Ethidimuron	ND	0.010
EM	1A Sample No:	17032222-05a		Ethiofencarb Ethiofencarb-sulfoxide	ND ND	0.010
D	Date Received:	3/22/2017		Ethion	ND	0.010
		C-il		Ethiprole	ND	0.010
3	Sample Matrix:	Soil		Ethirimol	ND	0.010
				Ethofumesate	ND	0.010
Anal	lytical Method:	FDA Import LC/M	IS/MS D-F	Ethoprop	ND	0.010
	-	FD 4 444		Etobenzanid Etoxazole	ND ND	0.010 0.010
Extra	action Method:	FDA 302		Famoxadone	ND	0.010
D:	ate Extracted:	4/4/2017		Fenamidone	ND	0.010
	ato Extraotou.			Fenarimol	ND	0.010
Dat	te Completed:	4/5/2017		Fenazaquin	ND	0.010
				Fenbuconazole	ND	0.010
	Surrogate:			Fenbutatin Oxide Fenhexamid	ND ND	0.010 0.010
Su	ırrogate Level:			Fenobucarb	ND	0.010
-	an oguto Lovon			Fenoxycarb	ND	0.010
	Recovery:			Fenpropimorph	ND	0.010
				Fenpyroximate	ND	0.010
				Fenuron	ND	0.010
Comm	ients:			Flonicamid Fluazifop-butyl	ND ND	0.010 0.010
				Flubendiamide	ND	0.010
				Fludioxinil	ND	0.010
				Flufenacet	ND	0.010
				Flufenoxuron	ND	0.010
				Fluometuron	ND	0.010
				Fluopicolide Fluoxastrobin	ND ND	0.010 0.010
				Fluquinconazole	ND ND	0.010
				Flusilazole	ND	0.010
				Flutolanil	ND	0.010
R = Reported on	another Screen cted at the Report	ting Limit (DL)		Flutriafol	ND	0.010
Tolerance data ta	aken from 40 CFR	§ 180. Environmenta	al Micro Analysis, Inc. makes	Fomesafen	ND	0.010
no claims as to th	he accuracy of tole	erance numbers.	30 days from the date of	Forchlorfenuron	ND ND	0.010 0.010
analytical report.	Special storage a	arrangements possible	oo dayo nom me date or).	Formetanate Fuberidazole	ND ND	0.010
Results relate on	lly to items tested. alyzed as received.			Furalaxyl	ND	0.010
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Date: 04/13/17

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Sould a Peters

	Analytics	Donort			
	Analytica April 26, 2017	I Report Revised	Analyte	Amount ppm	RL ppm
			Halofenozide	ND	0.010
Client:	Jay Billings		Hexaflumuron	ND	0.010
	Northeast Geo	oscience	Hexazinone	ND	0.010
	97 Walnut Stre		Hexythiazox	ND	0.010
	Clinton, MA	77 Terran (1971)	Hydramethylnon	ND	0.010
Phone:	(978) 365-904		ImazaliI	ND	0.010
	(978) 365-937		Imazapyr	ND	0.010
Fax: Email:	Section to the Control of State of Section 1		Imazethapyr	ND	0.010
CIIIdii.	jbillings@ngeo.i	iet	Imibenconazole	ND	0.010
			Imidacloprid	ND	0.010
			Indoxacarb	ND	0.010
			Ipconazole	ND	0.010
			Iprovalicarb Isocarbamid	ND ND	0.010 0.010
	Project No:			ND	0.010
			Isofenphos	ND	0.010
	PO No:		Isoprocarb	ND	0.010
	TO NO.		Isoprothiolane Isoproturon	ND	0.010
			Ivermectin	ND	0.010
Clie	ent Sample ID:	S-5 (S)	Kresoxim-methyl	ND	0.010
Oiii	one oumple is:	(-)	Lactofen	ND	0.010
			Linuron	ND	0.010
			Malathion	ND	0.010
			Mandipropamid	ND	0.010
	Sample Date:	3/21/2017	Mefenacet	ND	0.010
FN	AA Sample No:	17032222-05a	Mepanipyrim	ND	0.010
			Mepronil	ND	0.010
[Date Received:	3/22/2017	Metaflumizone	ND	0.010
	Sample Matrix:	Soil	Metalaxyl	ND	0.010
	oumpio macimi		Metconazole	ND	0.010
			Methamidophos	ND	0.010
Ana	lytical Method:	FDA Import LC/MS/MS H-O	Methfuroxam Methidathion	ND ND	0.010 0.010
		ED 4 000	Methiocarb	ND	0.010
Extra	action Method:	FDA 302	Methomyl	ND	0.010
D	ate Extracted:	4/4/2017	Methoprotryne	ND	0.010
U	ate Extracted.	47472017	Methoxyfenozide	ND	0.010
Da	te Completed:	4/5/2017	Metobromuron	ND	0.010
			Metolachlor	ND	0.010
	Surrogate:		Metoxuron	ND	0.010
			Metrafenone	ND	0.010
Sı	urrogate Level:		Metribuzin	ND	0.010
			Metsulfuron-methyl	ND	0.010
	Recovery:		Mevinphos	ND	0.010
			Mexacarbate	ND	0.010
_			Molinate	ND ND	0.010 0.010
Comm	ients:		Monocrotophos Monolinuron	ND ND	0.010
			Moxidectin	ND	0.010
			Myclobutanil	ND	0.010
			Napropamide	ND	0.010
			Neburon	ND	0.010
			Nitenpyram	ND	0.010
			Novaluron	ND	0.010
			Omethoate	ND	0.010
			Overnul	NID	0.010

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Don Peterson, Laboratory Director

Oxamyl

Oxadixyl

ND

ND

0.010

0.010

	Analytica pril 26, 2017	l Report	Revised	Analyte	Amount ppm	RL ppm
				Pencycuron	ND	0.010
Client:	Jay Billings			Pendimethalin	ND	0.010
	Northeast Geo	science		Phorate	ND	0.010
	97 Walnut Stre	et		Phosmet	ND	0.010
	Clinton, MA ()1510		Phoxim	ND	0.010
Phone:	(978) 365-904	5		Picoxystrobin	ND	0.010
Fax:	(978) 365-937			Piperonyl butoxide	ND	0.010
Email:	jbillings@ngeo.n			Pirimicarb	ND	0.010
Linaii	Johnnigsengoon			Pirimiphos-methyl	ND ND	0.010 0.010
				Prochloraz Promecarb	ND	0.010
				Prometon	ND	0.010
				Prometryn	ND	0.010
				Propachlor	ND	0.010
	Project No:			Propamocarb	ND	0.010
				Propargite	ND	0.010
	PO No:			Propazine	ND	0.010
				Propham	ND	0.010
		5 - (6)		Propiconazole	ND	0.010
Clie	ent Sample ID:	S-5 (S)		Propoxur	ND	0.010
				Propyzamide	ND ND	0.010
				Pyrogerbolid	ND	0.010 0.010
				Pyracarbolid Pyraclostrobin	ND	0.010
	Sample Date:	3/21/2017		Pyridaben	ND	0.010
EM	IA Sample No:	17032222-05a		Pyridaphenthion	ND	0.010
LIV	iA Sample No.	17032222-03a		Pyrimethanil	ND	0.010
D	Date Received:	3/22/2017		Pyriproxyfen	ND	0.010
(Sample Matrix:	Soil		Quinoxyfen	ND	0.010
•	sample i-lacity.			Sebuthylazine	ND	0.010
				Secbumeton	ND	0.010
Anal	lytical Method:	FDA Import LC	:/MS/MS P-Trid	Sethoxydim	ND ND	0.010 0.010
		ED 4 000		Siduron Simazine	ND	0.010
Extra	action Method:	FDA 302		Simetryn	ND	0.010
D:	ate Extracted:	4/4/2017		Spinetoram-J +L	ND	0.010
D.	ate Extracted.	-0-02011		Spinosad	ND	0.010
Da	te Completed:	4/5/2017		Spirodiclofen	ND	0.010
				Spiromecifen	ND	0.010
	Surrogate:			Spirotetramat	ND	0.010
				Spiroxamine	ND	0.010
Si	ırrogate Level:			Sulfentrazone Tebuconazole	ND ND	0.010 0.010
	Recovery:			Tebufenozide	ND	0.010
	necovery.			Tebufenpyrad	ND	0.010
				Tebuthiuron	ND	0.010
Comm	ents:			Temephos	ND	0.010
				Tepraloxydim	ND	0.010
				Terbumeton	ND	0.010
				Terbutryn	ND	0.010
				Tetraconazole	ND	0.010
				Thiabendazole Thiacloprid	ND ND	0.010 0.010
				Thiamethoxam	ND	0.010
				Thidiazuron	ND	0.010
				Thiobencarb	ND	0.010
				Thiofanox	ND	0.010
to be a	503 E-1			Thiophanate-methyl (Carbendazim)	ND	0.010
R = Reported on	another Screen cted at the Report	ing Limit (PL)		Triadimefon	ND	0.010
Tolerance data ta	aken from 40 CFR	§ 180. Environme	ntal Micro Analysis, Inc. makes	Triadimenol	ND	0.010
no claims as to the	he accuracy of tole	rance numbers.	of 30 days from the date of	Triazopnos	ND ND	0.010 0.010
analytical report.	Special storage a	rrangements possi	ible.	Tricyclazole Tridemorph	ND	0.010
Results relate on	nly to items tested. alyzed as received.			тавногри	140	0.010
Reports should r	not be reproduced,	except in full, with	out written consent by			
	licro Analysis, Inc.	accreditation as to	http://emalab.com/ISO17025.			
pdf	0 01 001 100 17025	accidentation go to	7 map.//emaiab.com//oo 17025.			

Date: 04/13/17

_ Reviewed by: _

Joseph a. Peterson, Laboratory Director

Environmental Micro Analysis, Inc. ISO 17025 accreditation 460 N East Street ELAP Certificate #2819 Woodland, CA 95776 Phone: (530) 666-6890 Fax: (530) 666-2987 e-mail: emalab@emalab.com website: www.emalab.com

Analytical Report Revised April 26, 2017

Client: Jay Billings Northeast Geoscience 97 Walnut Street Clinton, MA 01510

Phone: (978) 365-9045 Fax: (978) 365-9378 Email: jbillings@ngeo.net

Analyte	Amount ppm	RL ppm
Trifloxystrobin	ND	0.010
Triflumizole	ND	0.010
Triflumuron	ND	0.010
Triflusulfuron-methyl	ND	0.010
Triphenyl Phosphate	ND	0.010
Triticonazole	ND	0.010
Uniconazole	ND	0.010
Vamidothion	ND	0.010
Zoxamide	ND	0.010

Project No:

PO No:

Client Sample ID: S-5 (S)

Sample Date: 3/21/2017

EMA Sample No: 17032222-05a

Date Received: 3/22/2017

Sample Matrix: Soil

Analytical Method: FDA Import LC/MS/MS Trif-Z

Extraction Method: FDA 302

Date Extracted: 4/4/2017

Date Completed: 4/5/2017

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: __04/13/17

Reviewed by:

Soull a Peters

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

RL

Amount

Analytical Report Revised

Analyte ppm ppm April 26, 2017 ND 0.030 Ferbam Client: Jay Billings Maneb (Dithane M-22) ND 0.030 ND 0.030 **Northeast Geoscience** Mancozeb 97 Walnut Street Metiram ND 0.030 Clinton, MA 01510 Nabam ND 0.030 Thiram ND 0.030 Phone: (978) 365-9045 0.030 Zineb (978) 365-9378 Fax: ND 0.030 Ziram jbillings@ngeo.net Email:

Project No:

PO No:

Client Sample ID: S-5 (S)

Sample Date: 3/21/2017 EMA Sample No: 17032222-05a Date Received: 3/22/2017

Sample Matrix: Soil

Analytical Method: EBDC Screen

Extraction Method: CDFA

Date Extracted: 3/31/2017

Date Completed: 3/31/2017

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.
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Page: 80 of 136

_ Don Peterson, Laboratory Director

Amount RI

Analytical Report Revised

	April 26, 2017	Analyte	ppm	ppm
		2, 4 - D	ND	0.250
Client:	Jay Billings	2, 4 -DB	ND	0.250
	Northeast Geoscience	2, 4, 5 - T	ND	0.130
	97 Walnut Street	2, 4, 5 -TP	ND	0.130
	Clinton, MA 01510	Dicamba	ND	0.130
		Dichloroprop	ND	0.130
Phone:	(978) 365-9045	Bentazon	ND	0.250
Fax:	(978) 365-9378	MCPA	ND	0.250
Email:	jbillings@ngeo.net	MCPP	ND	0.250
		Triclopyr	ND	0.250

Project No:

PO No:

Client Sample ID: S-5 (S)

Sample Date: 3/21/2017
EMA Sample No: 17032222-05a
Date Received: 3/22/2017
Sample Matrix: Soil

Analytical Method: EPA 8151A (s)
Extraction Method: EPA 8151A

Date Extracted: 4/4/2017

Date Completed: 4/10/2017

Surrogate: DCAA
Surrogate Level: 0.2 mg/Kg

Recovery: 67.8

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
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Date: 04/13/17 Rev

Reviewed by: _

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Don Peterson, Laboratory Director

Page: 81 of 136

Analytica April 26, 2017	I Report Revised	Analyte	Amount ppm	RL ppm
		a, b, d-BHC	ND	0.010
Client: Jay Billings		Alachlor	ND	0.020
Northeast Geo	ecianca	Aldrin	ND	0.010
97 Walnut Stre		Benfluralin	ND	0.020
		Bifenox	ND	0.050
Clinton, MA		Boscalid	ND	0.020
Phone: (978) 365-904	15	Bromacil	ND	0.040
Fax: (978) 365-937	'8	Captafol	ND	0.040
Email: jbillings@ngeo.r	net	Captan	ND	0.020
		Chlordane (sum of Isomers)	ND	0.020
		Chlorfenapyr	ND	0.020
		Chlorobenzilate	ND	0.040
		Chlorothalonil	ND	0.010
		Cyanazine	ND	0.100
Project No:		Dacthal	ND	0.020
6. 3000 3 (5.000 5.000 5.000 5.000		DDD	ND	0.020
PO No:				
FO No.		DDE	ND	0.020
		DDT	ND	0.020
Client Comple ID:	C E (C)	Dichlobenil	ND	0.030
Client Sample ID:	3-3 (3)	Dichlone	ND.	0.050
		Dicloran	ND	0.020
		Dicofol	ND	0.050
		Dieldrin	ND	0.010
Sample Date:	3/21/2017	Endosulfan alpha	ND	0.010
Sample Date.	3/21/2017	Endosulfan beta	ND	0.010
EMA Sample No:	17032222-05a	Endosulfan sulfate	ND	0.010
55	0/00/0017	Endosulfans (Total)	ND	0.010
Date Received:	3/22/2017	Endrin	ND	0.010
Sample Matrix:	Soil	Ethafluralin	ND	0.030
Andrew and Theorem Control and Control		Fenhexamid	ND	0.030
		Folpet	ND	0.050
Analytical Method:	OC Screen	Heptachlor	ND	0.010
, many mount mountour		Heptachlor epoxide	ND	0.020
Extraction Method:	CDFA	Hexachlorobenzene	ND	0.010
		Indoxacarb	ND	0.030
Date Extracted:	4/4/2017	Iprodione	ND	0.050
D . O . I . I		Lindane (gamma-BHC)	ND	0.010
Date Completed:	4/5/2017	Linuron	ND	0.150
_		Methoxychlor	ND	0.050
Surrogate:	Dibutylchlordenate	Metribuzin	ND ND	0.020
Cumparata I aval.	0.012	Mirex		0.020
Surrogate Level:	0.013 ppm	Myclobutanil	ND ND	0.050
Decement	126	Oxadiazon Oxyfluorfen	ND	0.030
Recovery:	136	Pendimethalin	ND	0.050
			ND	0.020
6		Pentachloronitrobenzene (PCNB) Pentachloroanaline (PCA)	ND	0.020
Comments:		Perthane	ND	0.010
			ND ND	0.100
		Polychlorinated Biphenyls		
		Procymidone Profluralia	ND	0.020
		Profluralin Pronamide	ND ND	0.020
		Propanil Tetradifon	ND	0.050
		Tetradifon	ND	0.020
		Toxaphene Triadimeter	ND	0.250
		Triadimefon	ND	0.020
		Trifloxystrobin	ND	0.030
R = Reported on another Screen		Triflumazole	ND	0.050
ND = None Detected at the Report	ina Limit (RL)	Trifluralin	ND	0.020
Tolerance data taken from 40 CFR	§ 180. Environmental Micro Analysis, Inc. makes rance numbers.	Vegadex (Diethyldithiocarbamic Acid)	ND	0.050
no claims as to the accuracy of tole	erance numbers.	Vinclozolin	ND	0.020
analytical report. Special storage a	ored for a minimum of 30 days from the date of	Dithiopyr	ND	0.020
Results relate only to items tested. Samples are analyzed as received.		Norflurazon	ND	0.020
Environmental Micro Analysis, Inc.				
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pui				

Date: 04/13/17

_ Reviewed by: _

Janual a Maria Don Peterson, Laboratory Director

Environmental Micro Analysis, Inc. ISO 17025 accreditation

ELAP Certificate #2819

460 N East Street Woodland, CA 95776 Phone: (530) 666-6890 Fax: (530) 666-2987 e-mail: emalab@emalab.com website: www.emalab.com

RL

ppm

0.020

0.040

0.040

0.020

0.030

0.010

0.040

0.010

0.100

0.020

0.050

Amount

ppm

ND

ND

ND

Analytical Report Revised

April 26, 2017

Client: Jay Billings

Northeast Geoscience 97 Walnut Street Clinton, MA 01510

(978) 365-9045 Phone:

(978) 365-9378 Fax: Email: jbillings@ngeo.net Cyfluthrin ND Cypermethrin ND Deltamethrin ND Esfenvalerate ND Fenpropathrin ND ND Fluvalinate ND lambda Cyhalothrin Permethrin ND

Analyte

Bifenthrin

Tralomethrin

Pyrethrins (Total)

Project No:

PO No:

Client Sample ID: S-5 (S)

Sample Date: 3/21/2017

EMA Sample No:

17032222-05a

Date Received: 3/22/2017

Sample Matrix: Soil

Analytical Method:

Pyrethroid Screen

Extraction Method:

CDFA

Date Completed:

4/5/2017

Surrogate: Dibutylchlordenate

Surrogate Level: 0.013 ppm

Recovery: 136

Date Extracted: 4/4/2017

Comments:

Date: __04/13/17

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		l Report	Revised	Analyte	Amount	RL
A	pril 26, 2017			Analyte	ppm	ppm
				Acephate	ND	0.020
Client:	Jay Billings			Azinphos-methyl	ND	0.050
	Northeast Geo			Bolstar	ND	0.030
97 Walnut Street			Bensulide	ND	0.050	
	Clinton, MA	01510		Carbofenothion	ND ND	0.020 0.030
Phone:	(978) 365-904	5		Chlorfenvinphos Chlorpyrifos	ND	0.030
Fax:	(978) 365-937	8		Chlorpyrifos-methyl	ND	0.020
Email:	jbillings@ngeo.n	et	*	Ciodrin	ND	0.050
				Coumaphos	ND	0.050
				DEF	ND	0.050
				Demeton (Systox) O/S Analogues	ND	0.040
				Diazinon	ND	0.030
				Dibrom	ND	0.050
	Project No:			Dichlorvos	ND	0.030
				Dicrotophos	ND	0.020
	PO No:			Dimethoate	ND	0.020
				Disulfoton	ND	0.020
				EPN	ND	0.020
Clie	ent Sample ID:	S-5 (S)		Ethion	ND	0.030
				Ethoprop	ND	0.050
				Fenamiphos	ND	0.020
				Fenitrothion Fenthion	ND ND	0.030 0.020
	Sample Date:	3/21/2017		Fonofos	ND	0.020
	3.5	17022222 056		Isofenphos	ND	0.030
EIV	IA Sample No:	17032222-05b		Malathion	ND	0.020
E	Date Received:	3/22/2017		Metasystox-R	ND	0.050
	Sample Matrix:	Soil		Methamidophos	ND	0.030
•	sample Machai			Methidathion	ND	0.030
				Methyl Parathion	ND	0.030
Ana	lytical Method:	OP Screen		Mevinphos	ND	0.050
	,			O-methoate	ND	0.050
Extra	action Method:	CDFA		Parathion Phorate	ND ND	0.040 0.050
	a Carreta	4/4/0047		Phosalone	ND	0.050
D	ate Extracted:	4/4/2017		Phosmet	ND	0.030
Da	te Completed:	4/5/2017		Phosphamidon	ND	0.020
Da	re completed.	7/3/201/		Pyrimiphos-methyl	ND	0.050
	Surrogate:	Triphenylphos	nhate	Profenofos	ND	0.020
	ourrogate.	piienyipiios	priate	Propetamphos	ND	0.020
Su	rrogate Level:	0.067 ppm		Ronnel	ND	0.030
	erran : Indian , member 2011	man print		Tetrachlorvinphos	ND	0.020
	Recovery:	103		Thionazin	ND	0.020
	-					

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
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Page: 84 of 136

Analytical Report Revised

Client: Jay Billings Northeast Geoscience 97 Walnut Street Clinton, MA 01510

Phone: (978) 365-9045 Fax: (978) 365-9378 Email: jbillings@ngeo.net

April 26, 2017

Project No:

PO No:

Client Sample ID: S-5 (S)

Sample Date: 3/21/2017

EMA Sample No: 17032222-05b

Date Received: 3/22/2017

Sample Matrix: Soil

Analytical Method: ON Screen

Extraction Method: CDFA

Date Extracted: 4/4/2017

Date Completed: 4/5/2017

Surrogate: Triphenylphosphate

Surrogate Level: 0.067 ppm

Recovery: 103

Comments:

Analyte	Amount ppm	RL ppm
Acetamipride	ND	0.050
Atrazine	ND	0.030
Azoxystrobin	ND	0.030
Benthiocarb	ND	0.050
Cyanazine	ND	0.050
Cyromazine	ND	0.050
Cyprodinil	ND	0.050
Dimethomorph	ND	0.050
Diphenyl Amine	ND	0.050
Fenamidone	ND	0.050
Fenbuconazole	ND	0.050
Fipronil	ND	0.050
Fludioxinil	ND	0.050
Hexazinone	ND	0.050
lmazalil	ND	0.050
Kresoxim Methyl	ND	0.050
Metalaxyl	ND	0.050
Metolachlor	ND	0.050
Metribuzin	ND	0.050
Molinate	ND	0.050
Myclobutanil	ND	0.050
Prometon	ND	0.050
Prometryne	ND	0.050
Propamocarb	ND	0.050
Propiconazole	ND	0.050
Pymetrozine	ND	0.050
Pyraclostrobin	ND	0.050
Pyriproxifen	ND	0.050
Sethoxydim	ND	0.050
Simazine	ND	0.050
Tebuconazole	ND	0.050
Terbacil	ND	0.050
Thiabendazole	ND	0.050
Desethyl Atrazine	ND	0.050

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.
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Date: 04/13/17 Review

Reviewed by:

Sould a Peterso

	Analytica April 26, 2017	l Report	Revised	Analyte	Amount ppm	RL ppm
				Acephate	ND	0.030
Client:	Jay Billings			Acetamiprid	ND	0.030
	Northeast Geo			Acrinathrin	ND	0.010
	97 Walnut Stre			Adiisopropylnaphthalene, 2,6- (DIPN, Alachlor	ND	0.010
	Clinton, MA	01510		Aldrin	ND ND	0.010
Phone:	(978) 365-904	15		Allethrin	ND	0.010 0.010
Fax:	(978) 365-937	' 8		Ametryn	ND	0.010
Email:	jbillings@ngeo.r	net		Aminocarb	ND	0.010
				Atrazine	ND	0.010
				Azinphos-methyl	ND	0.010
				Azoxystrobin	ND	0.010
				Benalaxyl	ND	0.010
	Project No:			Azoxystrobin	ND	0.010
				Bendiocarb Benfluralin	ND ND	0.010 0.010
	PO No:			Benoxacor	ND	0.010
				BHC-alpha (Benzene	ND	0.010
				BHC-beta	ND	0.010
Clie	ent Sample ID:	S-6 (T)	CONTRACT OF THE PARTY OF THE PA	BHC-delta	ND	0.010
				BHC-gamma (Lindane, gamma HCH)	ND	0.010
				Bifenox	ND	0.010
				Bifenthrin	ND	0.010
	Sample Date:	3/21/2017		Bioresmethrin (resmethrin-trans) Bitertanol I	ND ND	0.010 0.010
		17032222-06a		Bitertanol II	ND	0.010
EM	IA Sample No:	17032222-00a		Boscalid	ND	0.010
D	Date Received:	3/22/2017		Bromacil	ND	0.030
	Sample Matrix:	Soil		Bromophos-ethyl	ND	0.010
	bampic Matrix.	0011		Bromophos-methyl	ND	0.010
				Bromopropylate	ND	0.010
Anal	lytical Method:	FDA Import GC	C/MS/MS A - Cx	Bupirimate	ND	0.010
		EDA 000		Buprofezin (z-isomer) Butachlor	ND ND	0.010 0.010
Extra	action Method:	FDA 302		Butralin	ND	0.010
Da	ate Extracted:	4/4/2017		Butylate	ND	0.030
				Cadusafos	ND	0.010
Dat	te Completed:	4/5/2017		Captafol	ND	0.010
	man or a constant of the const			Captan	ND	0.030
	Surrogate:			Carbatyl	ND ND	0.010
Su	rrogate Level:			Carbofuran Carbophenothion-ethyl	ND	0.010 0.010
00	mogate Level.			Carbophenothion-methyl (methyl	ND	0.010
	Recovery:			Carbosulfan	ND	0.030
				Carboxin	ND	0.010
				Chlorbenzilate	ND	0.010
Comm	ents:			Chlordane-alpha	ND	0.010
				Chlordane trans (gamma)	ND	0.010
				Chlordane-trans (gamma) Chlordimeform	ND ND	0.010 0.010
				Chlorfenapyr	ND	0.010
				Chlorfenvinphos	ND	0.010
				Chlorobenzilate	ND	0.010
				Chloroneb	ND	0.010
				Chlorothalonil	ND	0.030
				Chlorpropham	ND	0.010
				Chlorpyrifos-ethyl Chlorpyrifos-methyl	ND ND	0.010 0.010
R = Reported on	another Screen			Chlorthiophos	ND	0.010
ND = None Detect	cted at the Report	ing Limit (RL)	atal Miara Analysis Iss	Clomazone	ND	0.010
no claims as to th	ne accuracy of tole	rance numbers.	ntal Micro Analysis, Inc. makes	Coumaphos	ND	0.010
Excess sample a	ind extracts are sto		of 30 days from the date of	Crotoxyphos	ND	0.010
Results relate on Samples are ana Reports should n Environmental Mi To see the scope	ly to items tested. llyzed as received. lot be reproduced, icro Analysis, Inc.	except in full, withou	out written consent by http://emalab.com/ISO17025.			
pdf						

Page: 86 of 136

Amount RL

ND

ND

ND

ND

ND

ND

ND

ND

ND

0.010 0.010

0.030

0.030

0.010

0.010

0.010

0.010

0.010

Analytical Report Revised

	Analytica April 26, 2017	I Report Revised	Analyte	Amount ppm	RL ppm
	April 20, 2017		O	ND	0.010
011			Cyanazine	ND	0.010
Client:	Jay Billings		Cyanofenphos Cyanophos	ND	0.010
	Northeast Geo		Cycloate	ND	0.030
	97 Walnut Stre		Cycluron	ND	0.030
	Clinton, MA	01510	Cyfluthrin (Total)	ND	0.010
Phone:	(978) 365-904	5	Cyhalothrin (lambda)	ND	0.010
Fax:	(978) 365-937	'8	Cymiazole	ND	0.010
Email:	jbillings@ngeo.r	net	Cypermethrin (Total)	ND	0.010
	, , ,		Cyproconazole	ND	0.010
			Cyprodinil	ND	0.010
			DCPA (dacthal, Chlorthal-dimethyl)	ND	0.010
			DDD-o,p'	ND	0.030
			DDD-p,p'	ND	0.010
	Project No:		DDE-o,p'	ND	0.010
			DDE-p,p'	ND	0.010
	PO No:		DDT-o,p'	ND	0.010
			DDT-p,p'	ND	0.030
			DEF (Tribufos)	ND	0.010
Clie	ent Sample ID:	S-6 (T)	Deltamethrin	ND	0.010
			Demeton-s-methyl	ND	0.030
			Desmedipham	ND	0.010
			Desmetryn	ND	0.010
			Diallate I	ND	0.030
	Sample Date:	3/21/2017	Diallate II	ND	0.010
FM	IA Sample No:	17032222-06a	Diazinon	ND	0.010
	i r oumple rio.		Diazinon-oxon (diazoxon)	ND	0.010
	Date Received:	3/22/2017	Dichlofenthion	ND	0.010
,	Sample Matrix:	Soil	Dichlofluanid	ND	0.030
•	Sample Matrix.	3011	Dichlorobenzonitrile, 2,6- (Dichlobenil)	ND	0.030
			Dichlorvos	ND	0.030
Ana	lytical Method:	FDA Import GC/MS/MS Cy - D	Dichloran (Dichloran)	ND	0.030
Ana	iyiicai wetilou:		Dicofol-o,p'	ND	0.010
Extra	action Method:	FDA 302	Dicofol-p,p' (Kelthane)	ND	0.010
			Dicrotofos (Dicrotophos)	ND	0.010
D	ate Extracted:	4/4/2017	Dieldrin	ND	0.010
15000			Diethofencarb	ND	0.010
Da	te Completed:	4/5/2017	Difenoconazole I	ND ND	0.010 0.010
	2007		Difenoconazole II	ND	
	Surrogate:		Dimethachlor	ND	0.010 0.010
			Dimethoate	ND	0.010
Sı	ırrogate Level:		Dimethomorph I	ND	0.010

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

Comments:

Recovery:

Dimethomorph II

Diniconazole

Dinitramine

Dioxacarb

Dioxathion

Disulfoton Disulfoton Sulfone

Diphenamid

Diphenylamine

	Analytica	l Report	Revised	Analyte	Amount ppm	RL ppm
	prii 20, 2017			Editoration		
Client:	les Dilliere			Edifenphos	ND	0.010
Ollent.	Jay Billings	ă		Endosulfan I (alpha Isomer)	ND	0.010
	Northeast Geo			Endosulfan II (beta Isomer)	ND	0.010
	97 Walnut Stre			Endosulfan Sulfate Endrin	ND ND	0.010 0.010
	Clinton, MA	01510		Endrin Aldehyde	ND	0.010
Phone:	(978) 365-904	15		EPN	ND	0.030
Fax:	(978) 365-937	78		Epoxiconazole	ND	0.010
Email:	jbillings@ngeo.r	net		Esfenvalerate (Fenvalerate A-alpha)	ND	0.010
				Etaconazole I	ND	0.010
				Ethalfluralin (Sonalan)	ND	0.010
				Ethiofencarb	ND	0.010
				Ethiolate	ND	0.030
				Ethion	ND	0.010
	Project No:			Ethofumesate	ND	0.010
				Ethoprophos (Ethoprop)	ND	0.030
	PO No:			Ethoxyquin	ND	0.030
				Etoxazole	ND	0.010
				Etrimfos	ND	0.010
Clie	ent Sample ID:	S-6 (T)		Famoxadone	ND-	0.010
		. ,		Famphur	ND	0.010
				Fenamidone	ND	0.030
				Fenamiphos (Phenamiphos)	ND	0.010
				Fenamiphos Sulfone	ND	0.010
	Sample Date:	3/21/2017		Fenarimol	ND	0.010
FM	IA Sample No:	17032222-06a		Fenazaquin	ND	0.010
Livi	A Sample No.	17 GOLLEZ-GOU		Fenbuconazole	ND	0.010
D	ate Received:	3/22/2017		Fenfuram	ND	0.010
	Samuela Massius	Coil		Fenhexamid	ND	0.010
2	Sample Matrix:	Soil		Fenitrothion	ND	0.010
				Fenobucarb	ND	0.010
Amal		FDA Import GO	MS/MS F . H	Fenoxycarb	ND	0.010
Anai	ytical Method:	1 DA Import ac	WING IN C E - 11	Fenpropathrin	ND	0.010
Extra	action Method:	FDA 302		Fenpropimorph	ND	0.010
LAND	otion metrica.			Fensulfothion	ND	0.010
Da	ate Extracted:	4/4/2017		Fenthion	ND	0.010
				Fenvalerate II	ND	0.010
Dat	te Completed:	4/5/2017		Fipronil	ND	0.010
				Flonicamid	ND	0.010
	Surrogate:			Fluchloralin	ND	0.010
.2				Flucythrinate I	ND	0.010
Su	rrogate Level:			Flucythrinate II	ND	0.010
	D			Fludioxonil	ND	0.030
	Recovery:			Fluopicolide	ND	0.010
				Fluquiniconazole	ND	0.010
				Fluridana	ND	0.010
Comm	ents:			Fluridone Flusilazole	ND ND	0.010
				Flutolanil	ND	0.010
				Flutriafol	ND	0.010
				Fluvalinate I	ND	0.010
				Folpet	ND	0.010
				Fonofos	ND	0.010
				Fuberidazole	ND	0.030
				Furalaxyl	ND	0.010
				Heptaclor	ND	0.010
				Heptachlor exo-epoxide (Isomer B)	ND	0.010
				Heptenophos	ND	0.010
R = Reported on	another Screen			Hexachlorobenzene	ND	0.030
ND = None Detec	cted at the Report	ing Limit (RL)	ntal Micro Analysis, Inc. makes	Hexaconazole	ND	0.010
no claims as to th	ne accuracy of tole	§ 180. Environmei rance numbers.	ntai Micro Analysis, Inc. makes	Hexythiazox	ND	0.030
Excess sample a analytical report. Results relate on Samples are ana Reports should n	nd extracts are sto Special storage a ly to items tested. lyzed as received. ot be reproduced,	ored for a minimum irrangements possil	of 30 days from the date of ble.			
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Jonald a Telawa Don Peterson, Laboratory Director

460 N East Street

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

Analytica April 26, 2017	Report Revised	Analyte	Amount ppm	RL ppm
		Imazalil	ND	0.030
Client: Jay Billings		Indoxacarb	ND	0.010
Northeast Geo	science	, Iprobenfos	ND	0.030
97 Walnut Stre	et	Iprodione	ND	0.030
Clinton, MA)1510	Isocarbamid (Isocarbamide)	ND	0.010
Phone: (978) 365-904	5	Isocarbophos	ND	0.010
Fax: (978) 365-937		Isodrin	ND	0.010
Email: jbillings@ngeo.n		Isofenphos Isoprocarb	ND ND	0.010 0.010
za jzgoengeen		Isopropalin	ND	0.010
		Isoprothiolane	ND	0.030
		Isoproturon	ND	0.030
		Kresoxim-methyl	ND	0.010
		Lenacil	ND	0.010
Project No:		Leptophos	ND	0.010
		Linuron	ND	0.010
PO No:		Malaoxon (metabolite of Malathion)	ND	0.010
		Malathion	ND	0.010
Section of the sectio		Mecarbam	ND	0.010
Client Sample ID:	S-6 (T)	Mepanipyrim	ND	0.010
		Mepronil	ND	0.010
		Metalaxyl	ND ND	0.010 0.030
		Metaldehyde Methidathian	ND	0.030
Sample Date:	3/21/2017	Methidathion Methiocarb	ND	0.010
0		Methoprene	ND	0.030
EMA Sample No:	17032222-06a	Methoprotryne	ND	0.010
Date Received:	3/22/2017	Methoxychlor, o,p'-	ND	0.010
		Methoxychlor, p,p'-	ND	0.010
Sample Matrix:	Soil	Metolachlor	ND	0.010
		Metolcarb	ND	0.030
A	FDA Import GC/MS/MS I	- Pd Metrafenone	ND	0.010
Analytical Method:	, by import dominants.	Metribuzin	ND	0.010
Extraction Method:	FDA 302	Mevinphos	ND	0.030
		Mexacarbate	ND	0.010
Date Extracted:	4/4/2017	MGK-264	ND	0.010
		Mirex	ND ND	0.010 0.030
Date Completed:	4/5/2017	Molinate Monocrotophos	ND	0.030
		Monolinuron	ND	0.010
Surrogate:		Myclobutanil	ND	0.010
Surrogate Level:		Naled	ND	0.030
Carrogate Level.		Naphthaleneacetamide, 1-	ND	0.010
Recovery:		Napropamide	ND	0.010
•		Nicotine	ND	1.000
		Nitrofen	ND	0.010
Comments:		Nitrothal-isopropyl	ND	0.010
		Nonachlor, cis-	ND	0.010
		Nonachlor, Trans-	ND	0.010
		Nuarimol	ND	0.010
		Omethoate Oxadiazon	ND ND	0.010 0.010
		Oxadiazon	ND	0.010
		Oxadixyi	ND	0.030
		Paclobutrazole	ND	0.030
		Paraoxon-ethyl	ND	0.010
		Paraoxon-methyl	ND	0.010
		Parathion-ethyl	ND	0.010
Reported on another Screen	71 V 1247	Parathion-methyl	ND	0.010
None Detected at the Reporti ance data taken from 40 CFR	ng Limit (RL) § 180. Environmental Micro A	nalysis, Inc. makes		

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
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Analytica April 26, 2017	al Report Revised	Analyte	Amount ppm	RL ppm
		Penconazole	ND	0.010
Client: Jay Billings		Pendimethalin (Penoxaline)	ND	0.010
Northeast Ge	oscience	Pentachloroaniline	ND	0.010
97 Walnut St		Pentachloroanisole	ND	0.010
Clinton , MA		Pentachlorobenzonitrile	ND	0.010
		Pentachlorothioanisole	ND	0.010
Phone: (978) 365-90	45	Peopiconazole	ND	0.010
Fax: (978) 365-93	78	Permethrin I	ND	0.010
Email: jbillings@ngeo	.net	Permethrin II (trans)	ND	0.010
		Phenothrin I	ND	0.010
		Phenothrin II	ND	0.010
			ND	0.010
		Phenthoate		
		Phenylphenol, 2-	ND	0.010
Project No:		Phorate	ND	0.010
r roject rto.		Phorate sulfone	ND	0.010
DO N		Phorate sulfoxide	ND	0.010
PO No:		Phosalone	ND	0.010
		Phosmet	ND	0.010
		Phosmet oxon	ND	0.030
Client Sample ID:	S-6 (T)	Phosphamidon I	ND	0.010
		Phosphamidon II	ND	0.010
		Piperonyl Butoxide	ND	0.010
		Pirimicarb	ND	0.010
		Pirimiphos-ethyl	ND	0.010
Sample Date:	3/21/2017	Pirimiphos-methyl	ND	0.010
EMA Sample No:	17032222-06a	Prochloraz	ND	0.010
LMA Sample No.	17032222-008	Procymidone	ND	0.010
Date Received:	3/22/2017	Prodiamine	ND	0.030
The state of the s		Profenofos	ND	0.010
Sample Matrix:	Soil	Profluralin	ND	0.010
		Promecarb	ND	0.010
		Prometon	ND	0.010
Analytical Method:	FDA Import GC/MS/MS Pe - So	Prometryn	ND	0.010
	FD4 000	Pronamide (Propyzamide)	ND	0.010
Extraction Method:	FDA 302	Propachlor	ND	0.010
B . E	4/4/00477	-1 Opp - 1000 Administration	ND	0.010
Date Extracted:	4/4/2017	Propanil		
5 6		Propargite	ND	0.010
Date Completed:	4/5/2017	Propetamphos	ND	0.010
		Propham	ND	0.030
Surrogate:		Propiconazole I	ND	0.010
		Propiconazole II	ND	0.010
Surrogate Level:		Propoxur	ND	0.010
201		Pyracarbolid	ND	0.010
Recovery:		Pyraclostrobin	ND	0.030
		Pyrazophos	ND	0.010
		Pyridaben	ND	0.010
Comments:		Pyridaphenthion	ND	0.010
		Pyrifenox I	ND	0.010
		Pyrifenox II	ND	0.010
		Pyrimethanil	ND	0.010
		Pyriproxyfen	ND	0.010
		Quinalphos	ND	0.010
		Quinoxyfen	ND	0.010
		Quintozene	ND	0.010
		Resmethrin -cis (cismethrin)	ND	0.010
		Ronnel (Fenchlorphos)	ND	0.010
		Secbumeton	ND	0.010
		Simazine	ND	0.010
R = Reported on another Screen		Simetryn	ND	0.010
Excess sample and extracts are s analytical report. Special storage Results relate only to items tested Samples are analyzed as receiver Reports should not be reproduced Environmental Micro Analysis, Inc	3 § 180. Environmental Micro Analysis, Inc. makes lerance numbers. tored for a minimum of 30 days from the date of arrangements possible. 1. 1. 1. except in full, without written consent by			
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Page: 90 of 136

April 26, 2017

Analytical Report Revised

Client:	Jay Billings	
	Northeast Geoscience	
	97 Walnut Street	
	Clinton, MA 01510	
Phone:	(978) 365-9045	
Fax:	(978) 365-9378	

jbillings@ngeo.net

Client Sample ID: S-6 (T)

Project No:		
PO No:		

Sample Date:	3/21/2017
EMA Sample No:	17032222-06a
Date Received:	3/22/2017
Sample Matrix:	Soil

Analytical Method:	FDA Import GC/MS/MS Sp - Z
Extraction Method:	FDA 302
Date Extracted:	4/4/2017

Date Extracted:	4/4/2017
Date Completed:	4/5/2017
Surrogate:	

Recovery

Surrogate Level:

	Amount	RL
Analyte	ppm	ppm
Spirodiclofen	ND	0.030
Spiromesifen	ND	0.030
Spiroxamine I	ND	0.010
Spiroxamine II	ND	0.010
Sulfotep	ND	0.010
Sulprofos	ND	0.030
Tebuconazole	ND	0.010
Tebufenpyrad	ND	0.010
Tebupirimfos	ND	0.010
Tebutam	ND	0.010
Tebuthiuron	ND	0.010
Tecnazene (TCNB)	ND	0.010
Tefluthrin, cis-	ND	0.010
Terbacil	ND	0.010
Terbufos	ND	0.010
Terbumeton	ND	0.030
Terbuthylazine	ND	0.030
Tetrachloraniline, 2,3,5,6-	ND	0.010
Tetrachlorvinphos, e-isomer	ND	0.010
Tetraconazole	ND	0.010
Tetradifon	ND	0.010
Tetrahydrophthalimide, cis-1,2,3,6-	ND	0.010
Tetrahydrophthalimide, cis-Delta 4-	ND	0.030
Tetramethrin I	ND	0.010
Tetramethrin II	ND	0.010
Thiabendazole	ND	0.030
Thiamethoxam	ND	0.010
Thionazin	ND	0.030
Tolclofos-methyl	ND	0.010
Tolylfluanid	ND	0.010
Triadimefon	ND	0.010
Triadimenol	ND	0.010
Triazophos	ND	0.010
Tricyclazole	ND	0.030
Trifloxystrobin	ND	0.010
Triflunizole	ND	0.010
Trifluralin	ND	0.010
Trimethacarb, 2,3,5-	ND	0.010
Trimethacarb, 3,4,5-	ND	0.010
Trimidal (Nuarimol)	ND	0.010
Triticonazole	ND	0.010
Vernolate	ND	0.030
Vinclozolin	ND	0.010

Comments:

R = Reported on another Screen
ND = None Detected at the Reporting Limit (RL)
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PO No:

RL ppm

0.010

0.010

0.010

0.010

0.010

0.010

0.010

0.010

0.010

0.010

0.010 0.010

0.010

0.010

0.010 0.010

0.010

0.010

0.010

ND

0.010

	Analytical Report Revised April 26, 2017	Analyte	Amount ppm
		3-Hydroxycarbofuran	ND
Client:	Jay Billings	Acephate	ND
	Northeast Geoscience	Acetamiprid	ND
	97 Walnut Street	Acetochlor	ND
	Clinton MA 01510	Acibenzolar-S-methyl	ND

Clinton, MA 01510 Acibenzolar-S-methyl Alanycarb (978) 365-9045 Phone: Aldicarb-sulfone (978) 365-9378 Fax: Aldicarb-sulfoxide Email: jbillings@ngeo.net Ametryn Amicarbazone

> Atrazine Avermectin Ba Project No: Azinphos-methyl

Bendiocarb Benfuracarb

0.010 ND 0.010 Client Sample ID: S-6 (T) Bensulide ND 0.010 Benzoximate ND 0.010 Bifenazate 0.010 ND

Aminocarb

Azoxystrobin

Benalaxyl

Aspon

Bitertanol ND 0.010 Boscalid ND 0.010 Sample Date: 3/21/2017 Bromuconazole (isomer) 0.010 **Bupirimate** ND 0.010 17032222-06a EMA Sample No: Buprofezin ND

0.010 Date Received: 3/22/2017 0.010 Butafenacil ND Butocarboxim ND 0.010 Sample Matrix: Carbaryl ND 0.010

Carbendazim ND Carbetamide Analytical Method: FDA Import LC/MS/MS A-C ND

0.010 Carbofuran ND Extraction Method: FDA 302 Carbosulfan ND 0.010 Carboxine ND 0.010 Carfentrazone-ethyl ND 0.010 Date Extracted: 4/4/2017

Chlorantraniliprole ND 0.010 Date Completed: 4/5/2017 Chlordimeform ND 0.010 Chlorfenvinphos ND 0.010

Chlorfluazuron ND 0.010 Surrogate: Chloroxuron ND 0.010 Surrogate Level: Chlorpyrifos ND 0.010 Chlorpyrifos-methyl 0.010 ND

Recovery: Chlortoluron 0.010 ND Clethodim ND 0.010 Clofentezine ND 0.010 Comments: Clothianidin ND 0.010

Coumaphos ND 0.010 Cumyluron ND 0.010 Cyanazine 0.010 ND Cyazofamid ND 0.010 Cycluron ND 0.010

Cyromazine

Cyflufenamid ND 0.010 Cyhexatin ND 0.010 Cymoxanil 0.010 ND Cyproconazole (isomer) ND 0.010 Cyprodinil ND 0.010

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analytical report. Special storage arrangements possible.
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Date: 04/13/17 Reviewed by:

	Analytica	I Report R	evised	Analyte	Amount ppm	RL ppm
				Daimuron	ND	0.010
Client:	Jay Billings			Diafenthiuron	ND	0.010
0.10.11.	Northeast Geo	nscience		Diazinon	ND	0.010
	97 Walnut Str			Dichlorvos	ND	0.010
	Clinton, MA			Diclobutrazol	ND	0.010
DL	- man			Dicrotophos	ND	0.010
Phone:	(978) 365-904			Diethofencarb	ND	0.010
Fax:	(978) 365-937			Difenoconazole	ND	0.010
Email:	jbillings@ngeo.i	iet		Diflubenzuron	ND	0.010
				Dimethenamide	ND	0.010
				Dimethoate	ND	0.010
				Dimethomorph	ND	0.010
				Dimoxystrobin	ND ND	0.010 0.010
	Project No:			Diniconazole Dioxacarb	ND	0.010
				Diuron	ND ND	0.010
	PO No:			DMST	ND	0.010
	10110.			DNOC	ND	0.010
				Dodine	ND	0.010
Clie	ent Sample ID:	S-6 (T)		Doramectin	ND	0.010
Olic	ine oumpio ibi			Emamectin Ba	ND	0.010
				Epoxiconazole	ND	0.010
				Eprinomectin	ND	0.010
		We want to describe a second		Esprocarb	ND	0.010
	Sample Date:	3/21/2017		Ethidimuron	ND	0.010
FM	IA Sample No:	17032222-06a		Ethiofencarb	ND	0.010
				Ethiofencarb-sulfoxide	ND	0.010
D	Date Received:	3/22/2017		Ethion	ND	0.010
9	Sample Matrix:	Soil		Ethiprole	ND	0.010
	Jap. 0			Ethirimol	ND ND	0.010 0.010
				Ethofumesate Ethoprop	ND ND	0.010
Anal	lytical Method:	FDA Import LC/MS	S/MS D-F	Etobenzanid	ND	0.010
		FDA 302		Etoxazole	ND	0.010
Extra	action Method:	FDA 302		Famoxadone	ND	0.010
D:	ate Extracted:	4/4/2017		Fenamidone	ND	0.010
	ato Extraotour			Fenarimol	ND	0.010
Dat	te Completed:	4/5/2017		Fenazaquin	ND	0.010
				Fenbuconazole	ND	0.010
	Surrogate:			Fenbutatin Oxide	ND	0.010
				Fenhexamid	ND ND	0.010 0.010
Su	ırrogate Level:			Fenobucarb Fenoxycarb	ND	0.010
	Recovery:			Fenpropimorph	ND	0.010
	necevery.			Fenpyroximate	ND	0.010
				Fenuron	ND	0.010
Comm	ents:			Flonicamid	ND	0.010
00	00			Fluazifop-butyl	ND	0.010
				Flubendiamide	ND	0.010
				Fludioxinil	ND	0.010
				Flufenacet	ND ND	0.010 0.010
				Flufenoxuron Fluometuron	ND	0.010
				Fluopicolide	ND	0.010
				Fluoxastrobin	ND	0.010
				Fluquinconazole	ND	0.010
				Flusilazole	ND	0.010
				Flutolanil	ND	0.010
R = Reported on	another Screen	in a Linck (DL)		Flutriafol	ND	0.010
ND = None Detec	cted at the Report	ing Limit (HL) 8 180. Environmental	Micro Analysis, Inc. makes	Fomesafen	ND	0.010
no claims as to th	ne accuracy of tole	rance numbers.		Forchlorfenuron	ND	0.010
Excess sample a	nd extracts are sto	red for a minimum of 3	30 days from the date of	Formetanate	ND ND	0.010 0.010
Results relate on	ly to items tested.	rrangements possible.		Fuberidazole	ND ND	0.010
Samples are ana	llyzed as received.	except in full, without v		Furalaxyl	ND	0.010
Environmental M	icro Analysis, Inc.					
To see the scope pdf	e of our ISO 17025	accreditation go to http	p://emalab.com/ISO17025.			
Pro-						

Date: _04/13/17

Reviewed by: _

Joseph a Polone Don Peterson, Laboratory Director

	Analytica	l Report	Revised		Amount	RL
	pril 26, 2017	росс		Analyte	ppm	ppm
				Halofenozide	ND	0.010
Client:	Jay Billings			Hexaflumuron	ND	0.010
	Northeast Geo	science		Hexazinone	ND	0.010
	97 Walnut Stre	eet		Hexythiazox	ND	0.010
	Clinton, MA	01510		Hydramethylnon	ND	0.010
Phone:	(978) 365-904	15		lmazalil	ND	0.010
Fax:	(978) 365-937			Imazapyr	ND	0.010
Email:	jbillings@ngeo.r			Imazethapyr	ND	0.010
	,			Imibenconazole Imidacloprid	ND ND	0.010 0.010
				Indoxacarb	ND	0.010
				Ipconazole	ND	0.010
				Iprovalicarb	ND	0.010
				Isocarbamid	ND	0.010
	Project No:			Isofenphos	ND	0.010
				Isoprocarb	ND	0.010
	PO No:			Isoprothiolane	ND	0.010
				Isoproturon	ND	0.010
				Ivermectin	ND	0.010
Clie	ent Sample ID:	S-6 (T)		Kresoxim-methyl	ND	0.010
				Lactofen	ND	0.010
				Linuron	ND	0.010
				Malathion	ND	0.010
	Sample Date:	3/21/2017		Mandipropamid	ND	0.010
	-	3/21/2017		Mefenacet	ND	0.010
EM	IA Sample No:	17032222-06a		Mepanipyrim	ND	0.010
г	ate Received:	3/22/2017		Mepronil	ND ND	0.010 0.010
L	ate neceiveu.			Metaflumizone Metalaxyl	ND	0.010
5	Sample Matrix:	Soil		Metconazole	ND	0.010
				Methamidophos	ND	0.010
		EDA Immedia	M40M40 II O	Methfuroxam	ND	0.010
Anai	lytical Method:	FDA Import LC	/M2/M2 H-O	Methidathion	ND	0.010
Ever	action Method:	FDA 302		Methiocarb	ND	0.010
EXII	action Method:	. 57. 662		Methomyl	ND	0.010
D	ate Extracted:	4/4/2017		Methoprotryne	ND	0.010
				Methoxyfenozide	ND	0.010
Dat	te Completed:	4/5/2017		Metobromuron	ND	0.010
				Metolachlor	ND	0.010
	Surrogate:			Metoxuron	ND	0.010
С.				Metrafenone	ND	0.010
St	irrogate Level:			Metribuzin	ND	0.010
	Recovery:			Metsulfuron-methyl Mevinphos	ND ND	0.010 0.010
	necovery.			Mexacarbate	ND	0.010
				Molinate	ND	0.010
Comm	ontc.			Monocrotophos	ND	0.010
COIIIII	unto.			Monolinuron	ND	0.010
				Moxidectin	ND	0.010
				Myclobutanil	ND	0.010
				Napropamide	ND	0.010
				Neburon	ND	0.010
				Nitenpyram	ND	0.010
				Novaluron	ND	0.010
				Omethoate	ND	0.010
				Oxamyl	ND	0.010

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ND

0.010

Oxadixyl

	Analytica	I Report Revised		Amount	RL
	April 26, 2017		Analyte	ppm	ppm
			Pencycuron	ND	0.010
Client:	Jay Billings		Pendimethalin	ND ND	0.010 0.010
	Northeast Geo		Phorate Phosmet	ND	0.010
	97 Walnut Str		Phoxim	ND	0.010
(1007)(2)	Clinton, MA		Picoxystrobin	ND	0.010
Phone:	(978) 365-904		Piperonyl butoxide	ND	0.010
Fax:	(978) 365-937		Pirimicarb	ND	0.010
Email:	jbillings@ngeo.i	net	Pirimiphos-methyl	ND	0.010
			Prochloraz	ND	0.010
			Promecarb Prometon	ND ND	0.010 0.010
			Prometryn	ND	0.010
			Propachlor	ND	0.010
	Project No:		Propamocarb	ND	0.010
			Propargite	ND	0.010
	PO No:		Propazine	ND	0.010
			Propham	ND	0.010
OI:		6.6./T)	Propiconazole	ND	0.010
Clie	ent Sample ID:	S-6 (T)	Propoxur	ND	0.010 0.010
			Propyzamide Pymetrozin	ND ND	0.010
			Pyracarbolid	ND	0.010
			Pyraclostrobin	ND	0.010
	Sample Date:	3/21/2017	Pyridaben	ND	0.010
FM	IA Sample No:	17032222-06a	Pyridaphenthion	ND	0.010
			Pyrimethanil	ND	0.010
D	Date Received:	3/22/2017	Pyriproxyfen	ND	0.010
9	Sample Matrix:	Soil	Quinoxyfen	ND ND	0.010
			Sebuthylazine Secbumeton	ND	0.010
		EDA L. CAMORIO D. T.: I	Sethoxydim	ND	0.010
Anal	lytical Method:	FDA Import LC/MS/MS P-Trid	Siduron	ND	0.010
Even	action Method:	FDA 302	Simazine	ND	0.010
EXII	action Method:		Simetryn	ND	0.010
Da	ate Extracted:	4/4/2017	Spinetoram-J +L	ND	0.010
			Spinosad	ND	0.010
Dat	te Completed:	4/5/2017	Spirodiclofen Spiromecifen	ND ND	0.010 0.010
	Currogata		Spirotetramat	ND	0.010
	Surrogate:		Spiroxamine	ND	0.010
Su	rrogate Level:		Sulfentrazone	ND	0.010
			Tebuconazole	ND	0.010
	Recovery:		Tebufenozide	ND	0.010
			Tebufenpyrad	ND ND	0.010 0.010
			Tebuthiuron Temephos	ND	0.010
Comm	ents:		Tepraloxydim	ND	0.010
			Terbumeton	ND	0.010
			Terbutryn	ND	0.010
			Tetraconazole	ND	0.010
			Thiabendazole	ND	0.010
			Thiacloprid	ND	0.010
			Thiamethoxam Thidiazuron	ND ND	0.010 0.010
			Thiobencarb	ND	0.010
			Thiofanox	ND	0.010
			Thiophanate-methyl (Carbendazim)	ND	0.010
R = Reported on	another Screen	: ! ::	Triadimefon	ND	0.010
ND = None Detect Tolerance data to	cted at the Heport aken from 40 CFR	ing Limit (RL) § 180. Environmental Micro Analysis, Inc. makes	Triadimenol	ND	0.010
no claims as to th	ne accuracy of tole	rance numbers.	mazopnos	ND	0.010
Excess sample a analytical report	no extracts are sto Special storage a	ored for a minimum of 30 days from the date of rrangements possible.	Tricyclazole	ND ND	0.010 0.010
Results relate on	ly to items tested.	Committee Commit	Tridemorph	טאו	0.010
Reports should n	lyzed as received. ot be reproduced,	except in full, without written consent by			
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pdf	5 01 0ul 130 17025	accreatiation go to http://emaidb.com/i5017025.			

Date: 04/13/17

Reviewed by: _

Janual a. Pataras Don Peterson, Laboratory Director

Analytical Report Revised

Amount RL Analyte ppm ppm April 26, 2017 Trifloxystrobin ND 0.010 Client: Jay Billings Triflumizole ND 0.010 0.010 Triflumuron ND **Northeast Geoscience** Triflusulfuron-methyl 0.010 97 Walnut Street ND Clinton , MA 01510 Triphenyl Phosphate ND 0.010 Triticonazole ND 0.010 (978) 365-9045 Phone: Uniconazole 0.010 (978) 365-9378 Fax: Vamidothion ND 0.010 Email: jbillings@ngeo.net 0.010 ND Zoxamide

Project No:

PO No:

Client Sample ID: S-6 (T)

Sample Date: 3/21/2017

EMA Sample No: 17032222-06a

Date Received: 3/22/2017

Sample Matrix: Soil

Analytical Method: FDA Import LC/MS/MS Trif-Z

Extraction Method: FDA 302

Date Extracted: 4/4/2017

Date Completed: 4/5/2017

Surrogate:

Surrogate Level:

Recovery:

Comments:

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Sonald a. Peterso

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Environmental Micro Analysis, Inc. ISO 17025 accreditation 460 N East Street ELAP Certificate #2819 Woodland, CA 95776

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

RL

Analytical Report Revised

Amount Analyte ppm ppm April 26, 2017 ND 0.030 Ferbam 0.030 Maneb (Dithane M-22) ND Client: Jay Billings ND 0.030 Mancozeb **Northeast Geoscience** Metiram ND 0.030 97 Walnut Street Nabam ND 0.030 Clinton, MA 01510 Thiram ND 0.030 (978) 365-9045 Phone: ND 0.030 Zineb (978) 365-9378 Fax: ND 0.030 Ziram Email: jbillings@ngeo.net

Project No:

PO No:

Client Sample ID: S-6 (T)

Sample Date: 3/21/2017 17032222-06a EMA Sample No: Date Received: 3/22/2017 Sample Matrix: Soil

Analytical Method: EBDC Screen

Extraction Method:

Date Extracted: 3/31/2017 Date Completed: 3/31/2017

Surrogate:

Surrogate Level:

Recovery:

Comments:

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Sould a Peters

_ Don Peterson, Laboratory Director

Amount RI

Analytical Report Revised

A	April 26, 2017	Analyte	ppm	ppm
Client:	lov Pillingo	2, 4 - D	ND	0.250
Chent.	Jay Billings Northeast Geoscience	2, 4 -DB 2, 4, 5 - T	ND ND	0.250 0.130
	97 Walnut Street Clinton MA 01510	2, 4, 5 -TP Dicamba	ND ND	0.050 0.130
Phone:	(978) 365-9045	Dichloroprop Bentazon	ND ND	0.130 0.250
Fax: Email:	(978) 365-9378 jbillings@ngeo.net	MCPA MCPP	ND ND	0.250 0.250
		Triclopyr	ND	0.250

Project No:

PO No:

Client Sample ID: S-6 (T)

Sample Date: 3/21/2017 EMA Sample No: 17032222-06a Date Received: 3/22/2017 Sample Matrix: Soil

Analytical Method: EPA 8151A (s)

Extraction Method: EPA 8151A

Date Extracted: 4/4/2017

Date Completed: 4/10/2017

Surrogate: DCAA

Surrogate Level: 0.2 mg/Kg

Recovery: 80.1

Comments:

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Don Peterson, Laboratory Director

Woodland, CA 95776

Analytical Report Revised

Client: Jay Billings Northeast Geoscience 97 Walnut Street Clinton, MA 01510

(978) 365-9045 Phone: (978) 365-9378 Fax: Email: jbillings@ngeo.net

April 26, 2017

Project No:

PO No:

Client Sample ID: S-6 (T)

Sample Date: 3/21/2017 EMA Sample No: 17032222-06a Date Received: 3/22/2017

Sample Matrix: Soil

Analytical Method: OC Screen

Extraction Method: CDFA

Date Extracted: 4/4/2017

Date Completed: 4/5/2017

Surrogate: Dibutylchlordenate

Surrogate Level: 0.013 ppm

Recovery: 107

Comments:

Analyte	Amount ppm	RL ppm
a, b, d-BHC	ND	0.010
Alachlor	ND	0.020
Aldrin	ND	0.010
Benfluralin	ND	0.020
Bifenox	ND	0.050
Boscalid	ND	0.020
Bromacil	ND	0.040
Captafol	ND ND	0.040 0.020
Captan Chlordane (sum of Isomers)	ND	0.020
Chlorfenapyr	ND	0.040
Chlorobenzilate	ND	0.040
Chlorothalonil	ND	0.010
Cyanazine	ND	0.100
Dacthal	ND	0.020
DDD	ND	0.020
DDE	ND	0.020
DDT	ND	0.020
Dichlobenil	ND	0.030
Dichlone	ND	0.050
Dicloran	ND	0.020
Dicofol Diologia	ND ND	0.050 0.010
Dieldrin Endosulfan alpha	ND	0.010
Endosulfan beta	ND	0.010
Endosulfan sulfate	ND	0.010
Endosulfans (Total)	ND	0.010
Endrin	ND	0.010
Ethafluralin	ND	0.030
Fenhexamid	ND	0.030
Folpet	ND	0.050
Heptachlor	ND	0.010
Heptachlor epoxide	ND	0.020
Hexachlorobenzene	ND ND	0.010
Indoxacarb Iprodione	ND	0.050
Lindane (gamma-BHC)	ND	0.010
Linuron	ND	0.150
Methoxychlor	ND	0.050
Metribuzin	ND	0.020
Mirex	ND	0.020
Myclobutanil	ND	0.050
Oxadiazon	ND	0.050
Oxyfluorfen	ND	0.040
Pendimethalin	ND	0.050 0.020
Pentachloronitrobenzene (PCNB) Pentachloroanaline (PCA)	ND ND	0.020
Perthane	ND	0.100
Polychlorinated Biphenyls	ND	0.250
Procymidone	ND	0.020
Profluralin	ND	0.020
Pronamide	ND	0.050
Propanil	ND	0.050
Tetradifon	ND	0.020
Toxaphene	ND	0.250
Triadimefon	ND	0.020
Trifloxystrobin	ND	0.030
Triflumazole Trifluralin	ND ND	0.050 0.020
Vegadex (Diethyldithiocarbamic Acid)	ND	0.050
Vinclozolin	ND	0.020
Dithiopyr	ND	0.020
Norflurazon	ND	0.020

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Analytical Report Revised

April 26, 2017

Client: Jay Billings

Northeast Geoscience 97 Walnut Street Clinton, MA 01510

(978) 365-9045 Phone: (978) 365-9378 Fax: Email: jbillings@ngeo.net

Analyte	Amount ppm	RL ppm
Bifenthrin	ND	0.020
Cyfluthrin	ND	0.040
Cypermethrin	ND	0.040
Deltamethrin	ND	0.020
Esfenvalerate	ND	0.030
Fenpropathrin	ND	0.010
Fluvalinate	ND	0.040
lambda Cyhalothrin	ND	0.010
Permethrin	ND	0.100
Tralomethrin	ND	0.020
Pyrethrins (Total)	ND	0.050

Project No:

PO No:

Client Sample ID: S-6 (T)

Sample Date: 3/21/2017

EMA Sample No: 17032222-06a

Date Received: 3/22/2017

Sample Matrix: Soil

Analytical Method: Pyrethroid Screen

Extraction Method: CDFA

Date Extracted: 4/4/2017

Date Completed: 4/5/2017

Surrogate: Dibutylchlordenate

Surrogate Level: 0.013 ppm

Recovery: 107

Comments:

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RL

Amount

ND

0.040

0.050

0.050

0.030

0.020

0.050

0.020

0.020

0.030

0.020

0.020

Anal	lvtical	Report	Revised
Allu	ytioui	ILCPOIL	

		Analytica pril 26, 2017	ıı Report	Revised	Analyte	Amount ppm	RL ppm
					Acephate	ND	0.020
	Client:	Jay Billings			Azinphos-methyl	ND	0.050
		Northeast Geoscience			Bolstar	ND	0.030
		97 Walnut Street			Bensulide	ND	0.050
		Clinton, MA			Carbofenothion	ND	0.020
				Chlorfenvinphos	ND	0.030	
Phone: (978) 365-9045			Chlorpyrifos	ND	0.020		
	Fax: (978) 365-9378 Email: jbillings@ngeo.net			Chlorpyrifos-methyl	ND	0.030	
				Ciodrin	ND	0.050	
					Coumaphos	ND	0.050
					DEF	ND	0.050
					Demeton (Systox) O/S Analogues	ND	0.040
					Diazinon	ND	0.030
		Design No.			Dibrom	ND	0.050
Project No:			Dichlorvos	ND	0.030		
			Dicrotophos	ND	0.020		
PO No:					Dimethoate	ND	0.020
					Disulfoton	ND	0.020
			Wanter of the second		EPN	ND	0.020
Client Sample ID: S-6 (T)			Ethion	ND	0.030		
					Ethoprop	ND	0.050
					Fenamiphos	ND	0.020
					Fenitrothion	ND	0.030
		Cl- D-t	3/21/2017		Fenthion	ND	0.020
		Sample Date:	3/21/2017		Fonofos	ND	0.040
	EM	EMA Sample No:	17032222-06b		Isofenphos	ND	0.030
			0/00/0047		Malathion	ND	0.020
	D	Date Received: Sample Matrix:	3/22/2017		Metasystox-R	ND	0.050
	9		Soil		Methamidophos	ND	0.030
	•				Methidathion	ND	0.030
					Methyl Parathion	ND	0.030
Ana		lytical Method:	OP Screen		Mevinphos	ND	0.050
					O-methoate	ND	0.050

O-methoate Parathion

Phorate

Phosmet

Ronnel

Thionazin

Phosalone

Phosphamidon

Propetamphos

Pyrimiphos-methyl Profenofos

Tetrachlorvinphos

Comments:

Extraction Method: CDFA

Date Extracted: 4/4/2017

Date Completed: 4/5/2017

Surrogate Level: 0.067 ppm

Recovery: 125

Surrogate: Triphenylphosphate

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Donald a. Peters

Analytical Report Revised

Client: Jay Billings
Northeast Geoscience
97 Walnut Street
Clinton , MA 01510

Phone: (978) 365-9045
Fax: (978) 365-9378
Email: jbillings@ngeo.net

Project No:

April 26, 2017

PO No:

Client Sample ID: S-6 (T)

Sample Date: 3/21/2017
EMA Sample No: 17032222-06b
Date Received: 3/22/2017
Sample Matrix: Soil

Analytical Method: ON Screen

Extraction Method: CDFA

Date Extracted: 4/4/2017

Date Completed: 4/5/2017

Surrogate: Triphenylphosphate

Surrogate Level: 0.067 ppm

Recovery: 125

Comments:

Analyte	Amount ppm	RL ppm
Acetamipride	ND	0.050
Atrazine	ND	0.030
Azoxystrobin	ND	0.030
Benthiocarb	ND	0.050
Cyanazine	ND	0.050
Cyromazine	ND	0.050
Cyprodinil	ND	0.050
Dimethomorph	ND	0.050
Diphenyl Amine	ND	0.050
Fenamidone	ND	0.050
Fenbuconazole	ND	0.050
Fipronil	ND	0.050
Fludioxinil	ND	0.050
Hexazinone	ND	0.050
Imazalil	ND	0.050
Kresoxim Methyl	ND	0.050
Metalaxyl	ND	0.050
Metolachlor	ND	0.050
Metribuzin	ND	0.050
Molinate	ND	0.050
Myclobutanil	ND	0.050
Prometon	ND	0.050
Prometryne	ND	0.050
Propamocarb	ND	0.050
Propiconazole	ND	0.050
Pymetrozine	ND	0.050
Pyraclostrobin	ND	0.050
Pyriproxifen	ND	0.050
Sethoxydim	ND	0.050
Simazine	ND	0.050
Tebuconazole	ND	0.050
Terbacil	ND	0.050
Thiabendazole	ND	0.050
Desethyl Atrazine	ND	0.050

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	alytica 26, 2017	l Report	Revised	Analyte	Amount ppm	RL ppm
				Acephate	ND	0.030
Client: Jav	/ Billings			Acetamiprid	ND	0.030
	rtheast Geo	science		Acrinathrin	ND	0.010
	Walnut Stre			Adiisopropylnaphthalene, 2,6- (DIPN,	ND	0.010
	nton, MA			Alachlor	ND	0.010
				Aldrin	ND	0.010
Phone: (97	'8) 365-904	5		Allethrin	ND	0.010
Fax: (97	'8) 365-937	8		Ametryn	ND	0.010
Email: jbill	ings@ngeo.r	et		Aminocarb	ND	0.010
				Atrazine	ND	0.010
				Azinphos-methyl	ND	0.010
				Azoxystrobin	ND	0.010
				Benalaxyl	ND	0.010
				Azoxystrobin	ND	0.010
Pro	oject No:			Bendiocarb	ND	0.010
				Benfluralin	ND	0.010
	PO No:			Benoxacor	ND	0.010
	101101			BHC-alpha (Benzene	ND	0.010
				BHC-beta	ND	0.010
Client S	ample ID:	S-7 (G)		BHC-delta	ND	0.010
Olicite 3	umpic ib.	(-)		BHC-gamma (Lindane, gamma HCH)	ND	0.010
				Bifenox	ND	0.010
				Bifenthrin	ND	0.010
				Bioresmethrin (resmethrin-trans)	ND	0.010
Sam	ple Date:	3/21/2017		Bitertanol I	ND	0.010
	A COLOR DE LA COLO	4700000 07-		Bitertanol II	ND	0.010
EMA Sa	ample No:	17032222-07a		Boscalid	ND	0.010
Date	Received:	3/22/2017		Bromacil	ND	0.030
				Bromophos-ethyl	ND	0.010
Samp	ole Matrix:	Soil		Bromophos-methyl	ND	0.010
				Bromopropylate	ND	0.010
				Bupirimate	ND	0.010
Analytica	al Method:	FDA Import GC/	MS/MS A - Cx	Buprofezin (z-isomer)	ND	0.010
		FDA 302		Butachlor	ND	0.010
Extraction	n Method:	FDA 302		Butralin	ND	0.010
Data F	xtracted:	4/4/2017		Butylate	ND	0.030
Date L	Atlacteu.	442011		Cadusafos	ND	0.010
Date Co	ompleted:	4/5/2017		Captafol	ND	0.010
Duto ot	ompiocou.	0.2011		Captan	ND	0.030
c	Surrogate:			Carbaryl	ND	0.010
	ourrogute.			Carbofuran	ND	0.010
Surrog	ate Level:			Carbophenothion-ethyl	ND	0.010
				Carbophenothion-methyl (methyl	ND	0.010
ı	Recovery:			Carbosulfan	ND	0.030
	•			Carboxin	ND	0.010
				Chlorbenzilate	ND	0.010
Comments				Chlordane-alpha	ND	0.010
Commonto	-			Chlordane-oxy	ND	0.010
				Chlordane-trans (gamma)	ND	0.010
				Chlordimeform	ND	0.010
				Chlorfenapyr	ND	0.010
				Chlorfenvinphos	ND	0.010
				Chlorobenzilate	ND	0.010
				Chloroneb	ND	0.010
				Chlorothalonil	ND	0.030
				Chlorpropham	ND	0.010
				Chlorpyrifos-ethyl	ND	0.010
				Chlorpyrifos-methyl	ND	0.010
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			Chlorthiophos	ND	0.010	
			al Micro Analysis Inc. makes	Clomazone	ND	0.010
			5	Coumaphos	ND	0.010
			f 30 days from the date of	Crotoxyphos	ND	0.010
analytical report. Spec Results relate only to it	cial storage ar tems tested	rangements possibl	e.			
Samples are analyzed	as received.	avecat in fall	t written concert by			
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Date: 04/13/17

__ Reviewed by: _

Small a Tatawa Don Peterson, Laboratory Director

Woodland, CA 95776

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

Analytical Report Revised

	Analytica	l Report	Revised	Ameliate	Amount	RL
A	April 26, 2017			Analyte	ppm	ppm
				Cyanazine	ND	0.010
Client:	Jay Billings			Cyanofenphos	ND	0.010
	Northeast Geo	science		Cyanophos	ND	0.010
	97 Walnut Stre	et		Cycloate	ND	0.030
	Clinton, MA			Cycluron	ND	0.010
DI	(978) 365-904			Cyfluthrin (Total)	ND	0.010
Phone:	Seed to bosed machines for your			Cyhalothrin (lambda)	ND	0.010
Fax:	(978) 365-937			Cymiazole	ND	0.010
Email:	jbillings@ngeo.r	iet		Cypermethrin (Total)	ND	0.010
				Cyproconazole	ND	0.010
				Cyprodinil	ND	0.010
				DCPA (dacthal, Chlorthal-dimethyl)	ND	0.010
				DDD-o,p'	ND	0.030
	Project No.			DDD-p,p'	ND	0.010
	Project No:			DDE-o,p'	ND	0.010
	20.11			DDE-p,p'	ND	0.010
	PO No:			DDT-o,p'	ND	0.010
				DDT-p,p'	ND	0.030
		0 = (0)		DEF (Tribufos)	ND	0.010
Clie	ent Sample ID:	S-7 (G)		Deltamethrin	ND	0.010
				Demeton-s-methyl	ND	0.030
				Desmedipham	ND	0.010
				Desmetryn	ND	0.010
	Sample Date:	3/21/2017		Diallate I	ND	0.030
	Sample Date.			Diallate II	ND	0.010
EN	AA Sample No:	17032222-07a		Diazinon	ND	0.010
	> D	2/00/0047		Diazinon-oxon (diazoxon)	ND	0.010
ı	Date Received:	3/22/2017		Dichlofenthion	ND	0.010
	Sample Matrix:	Soil		Dichlofluanid	ND	0.030
	AND THE PARTY OF THE PARTY OF THE			Dichlorobenzonitrile, 2,6- (Dichlobenil)	ND	0.030
				Dichloros	ND	0.030
Ana	lytical Method:	FDA Import GC	C/MS/MS Cy - D	Dichloran (Dichloran)	ND	0.030
				Dicofol-o,p'	ND ND	0.010
Extr	action Method:	FDA 302		Dicofol-p,p' (Kelthane) Dicrotofos (Dicrotophos)	ND	0.010
		4/4/2017		Dieldrin	ND	0.010
D	ate Extracted:	4/4/2017		Diethofencarb	ND	0.010
Da	te Completed:	4/5/2017		Difenoconazole I	ND	0.010
Da	ite Completeu.	4/3/2017		Difenoconazole II	ND	0.010
	Surrogate:			Dimethachlor	ND	0.010
	Surrogate.			Dimethoate	ND	0.010
Si	urrogate Level:			Dimethomorph I	ND	0.010
٠.	-3			Dimethomorph II	ND	0.010
	Recovery:			Diniconazole	ND	0.010
				Dinitramine	ND	0.030
				Dioxacarb	ND	0.030
Comm	nents:			Dioxathion	ND	0.010
				Diphenamid	ND	0.010
				Diphenylamine	ND	0.010
				Disulfoton	ND	0.010

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Date: __04/13/17

Reviewed by:

Disulfoton Sulfone

ND

0.010

	Analytica pril 26, 2017	l Report	Revised	Analyte	Amount ppm	RL ppm
				Edifenphos	ND	0.010
Client:	Jay Billings			Endosulfan I (alpha Isomer)	ND	0.010
	Northeast Geo	ecionco		Endosulfan II (beta Isomer)	ND	0.010
				Endosulfan Sulfate	ND	0.010
	97 Walnut Stre			Endrin	ND	0.010
	Clinton, MA	01510		Endrin Aldehyde	ND	0.030
Phone:	(978) 365-904	15		EPN	ND	0.010
Fax:	(978) 365-937	' 8		Epoxiconazole	ND	0.010
Email:	jbillings@ngeo.r	net		Esfenvalerate (Fenvalerate A-alpha)	ND	0.010
	,			Etaconazole I	ND	0.010
					ND	0.010
				Ethalfluralin (Sonalan) Ethiofencarb	ND	0.010
				Ethiolate	ND	0.030
	Project No:			Ethion	ND	0.010
	rroject No.			Ethofumesate	ND	0.010
	DO N			Ethoprophos (Ethoprop)	ND	0.030
	PO No:			Ethoxyquin	ND	0.030
				Etoxazole	ND	0.010
7247				Etrimfos	ND	0.010
Clie	nt Sample ID:	S-7 (G)		Famoxadone	ND	0.010
				Famphur	ND	0.010
				Fenamidone	ND	0.030
				Fenamiphos (Phenamiphos)	ND	0.010
		0 /04 /0047		Fenamiphos Sulfone	ND	0.010
9	Sample Date:	3/21/2017		Fenarimol	ND	0.010
FM	A Sample No:	17032222-07a		Fenazaquin	ND	0.010
	, completion			Fenbuconazole	ND	0.010
D	ate Received:	3/22/2017		Fenfuram	ND	0.010
		Coil		Fenhexamid	ND	0.010
5	Sample Matrix:	Soil		Fenitrothion	ND	0.010
				Fenobucarb	ND	0.010
		FDA Import GC	MS/MS E - H	Fenoxycarb	ND	0.010
Anal	ytical Method:	T DA IIIIport de	WIGHING E - II	Fenpropathrin	ND	0.010
Futur	ction Method:	FDA 302		Fenpropimorph	ND	0.010
EXIIA	ction wethou:			Fensulfothion	ND	0.010
Da	te Extracted:	4/4/2017		Fenthion	ND	0.010
50	ico Extraotou.			Fenvalerate II	ND	0.010
Dat	e Completed:	4/5/2017		Fipronil	ND	0.010
				Flonicamid	ND	0.010
	Surrogate:			Fluchloralin	ND	0.010
	ourroguto.			Flucythrinate I	ND	0.010
Su	rrogate Level:			Flucythrinate II	ND	0.010
				Fludioxonil	ND	0.030
	Recovery:			Fluopicolide	ND	0.010
				Fluquiniconazole	ND	0.010
				Flurenol-butyl	ND	0.010
Comme	ents:			Fluridone	ND	0.010
Commi	orres.			Flusilazole	ND	0.010
				Flutolanil	ND	0.010
				Flutriafol	ND	0.010
				Fluvalinate I	ND	0.010
				Folpet	ND	0.010
				Fonofos	ND	0.010
				Fuberidazole	ND	0.030
				Furalaxyl	ND	0.010
				Heptaclor	ND	0.010
				Heptachlor exo-epoxide (Isomer B)	ND	0.010
				Heptenophos	ND	0.010
R = Reported on a	another Screen			Hexachlorobenzene	ND	0.030
ND = None Detect	ted at the Report	ing Limit (RL)		Hexaconazole	ND	0.010
Tolerance data ta no claims as to th	ken from 40 CFR	§ 180. Environmer	ntal Micro Analysis, Inc. makes	Hexythiazox	ND	0.030
Excess sample an analytical report. Results relate onl Samples are anal Reports should no Environmental Mi	nd extracts are sto Special storage a y to items tested. yzed as received. ot be reproduced, cro Analysis, Inc.	ored for a minimum rrangements possit except in full, witho	ut written consent by			
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Date: _04/13/17

Reviewed by:

Donald a. Peterso

RL

Analytical	Report	Revised
A:1 0C 0017		

Amount Analyte ppm April 26, 2017 0.030 ND Imazalil Client: Jay Billings Indoxacarb ND 0.010 Iprobenfos ND 0.030 **Northeast Geoscience** Iprodione 0.030 ND 97 Walnut Street Isocarbamid (Isocarbamide) ND 0.010 Clinton, MA 01510 0.010 Isocarbophos ND (978) 365-9045 Phone: Isodrin ND 0.010 (978) 365-9378 Fax: Isofenphos ND 0.010 Email: jbillings@ngeo.net Isoprocarb ND 0.010 0.010 Isopropalin ND Isoprothiolane 0.030 ND ND 0.030 Isoproturon Kresoxim-methyl ND 0.010 Lenacil ND 0.010 Project No: 0.010 Leptophos ND Linuron ND 0.010 PO No: Malaoxon (metabolite of Malathion) 0.010 ND Malathion ND 0.010 Mecarbam ND 0.010 Client Sample ID: S-7 (G) Mepanipyrim ND 0.010 Mepronil ND 0.010 Metalaxyl ND 0.010 Metaldehyde ND 0.030 Methidathion 0.010 Sample Date: 3/21/2017 Methiocarb ND 0.010 0.030 17032222-07a Methoprene ND EMA Sample No: Methoprotryne ND 0.010 Date Received: 3/22/2017 Methoxychlor, o,p'-ND 0.010 Methoxychlor, p,p'-ND 0.010 Sample Matrix: Soil 0.010 Metolachlor ND Metolcarb 0.030 ND 0.010 ND Metrafenone Analytical Method: FDA Import GC/MS/MS I - Pd Metribuzin ND 0.010 FDA 302 Mevinphos ND 0.030 **Extraction Method:** Mexacarbate ND 0.010 MGK-264 ND 0.010 4/4/2017 Date Extracted: 0.010 ND Mirex Date Completed: 4/5/2017 Molinate ND 0.030 Monocrotophos ND 0.030 Monolinuron ND 0.010 Surrogate: Myclobutanil ND 0.010 Surrogate Level: Naled ND 0.030 0.010 Naphthaleneacetamide, 1-ND Recovery: Napropamide ND 0.010 Nicotine ND 1.000 Nitrofen 0.010 Nitrothal-isopropyl ND 0.010 Comments: 0.010 Nonachlor, cis-ND Nonachlor, Trans-ND 0.010 Nuarimol ND 0.010 Omethoate ND 0.010 0.010 Oxadiazon ND ND 0.010 Oxadixyl ND 0.030 Oxvflurofen Paclobutrazole ND 0.030 Paraoxon-ethyl ND 0.010 ND 0.010 Paraoxon-methyl Parathion-ethyl ND 0.010 R = Reported on another Screen Parathion-methyl ND 0.010

R = Reported on another Screen
ND = None Detected at the Reporting Limit (RL)
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	Analytica April 26, 2017	l Report	Revised	Analyte	Amount ppm	RL ppm
				Penconazole	ND	0.010
Client:	Jay Billings			Pendimethalin (Penoxaline)	ND	0.010
	Northeast Geo	science		Pentachloroaniline	0.07	0.010
	97 Walnut Stre	eet		Pentachloroanisole	ND	0.010
	Clinton, MA	01510		Pentachlorobenzonitrile	ND	0.010
Phone:	(978) 365-904	15		Pentachlorothioanisole	0.01	0.010
	(978) 365-937			Peopiconazole	ND	0.010
Fax:	AND THE PERSON NAMED IN CONTRACTOR			Permethrin I	ND	0.010
Email:	jbillings@ngeo.r	iet		Permethrin II (trans)	ND	0.010
				Phenothrin I	ND	0.010
				Phenothrin II	ND	0.010
				Phenthoate	ND	0.010 0.010
				Phenylphenol, 2-	ND ND	0.010
	Project No:			Phorate pulsage	ND	0.010
	110,00011101			Phorate sulfone Phorate sulfoxide	ND	0.010
	PO No:				ND	0.010
	FO NO.			Phosalone	ND	0.010
				Phosmet	ND ND	0.010
Clia	ent Comple ID:	S-7 (G)		Phosmet oxon	ND	0.030
CIIE	ent Sample ID:	3-7 (d)		Phosphamidon II	ND	0.010
				Piperonyl Butoxide	ND	0.010
				Pirimicarb	ND	0.010
				Pirimicarb Pirimiphos-ethyl	ND	0.010
	Sample Date:	3/21/2017		Pirimiphos-methyl	ND	0.010
		47000000 07-		Prochloraz	ND	0.010
EM	1A Sample No:	17032222-07a		Procymidone	ND	0.010
г	Date Received:	3/22/2017		Prodiamine	ND	0.030
				Profenofos	ND	0.010
,	Sample Matrix:	Soil		Profluralin	ND	0.010
				Promecarb	ND	0.010
		FD4 1	740740 B- 0-	Prometon	ND	0.010
Ana	lytical Method:	FDA Import GC	C/MS/MS Pe - So	Prometryn	ND	0.010
		FDA 302		Pronamide (Propyzamide)	ND	0.010
Extra	action Method:	1 DA 302		Propachlor	ND	0.010
D	ate Extracted:	4/4/2017		Propanil	ND	0.010
	ato Extraotou.			Propargite	ND	0.010
Da	te Completed:	4/5/2017		Propetamphos	ND	0.010
	•			Propham	ND	0.030
	Surrogate:			Propiconazole I	LC/MS	0.010
				Propiconazole II	ND	0.010
Sı	ırrogate Level:			Propoxur	ND	0.010
				Pyracarbolid	ND	0.010
	Recovery:			Pyraclostrobin	ND	0.030
				Pyrazophos	ND	0.010
				Pyridaben	ND	0.010
Comm	ents:			Pyridaphenthion	ND	0.010
				Pyrifenox I	ND	0.010
				Pyrifenox II	ND	0.010
				Pyrimethanil	ND ND	0.010 0.010
				Pyriproxyfen Quinalphos	ND	0.010
				Quinaipnos Quinoxyfen	ND	0.010
				Quintoxylen	ND	0.010
				Resmethrin -cis (cismethrin)	ND	0.010
				Ronnel (Fenchlorphos)	ND	0.010
				Secbumeton	ND	0.010
				Simazine	ND	0.010
norted on	another Screen			Simetryn	ND	0.010
Vone Dete	cted at the Report	ing Limit (RL)		Pentachlorobenzene	0.07	0.010
nce data ta	aken from 40 CFR	§ 180. Environmer	ntal Micro Analysis, Inc. makes		MANAGE TO SERVICE TO S	

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	Analytica April 26, 2017	l Report	Revised	Analyte	Amount ppm	RL ppm
				Spirodiclofen	ND	0.030
Client:	Jay Billings			Spiromesifen	ND	0.030
	Northeast Geo	science		Spiroxamine I	ND	0.010
	97 Walnut Stre	eet		Spiroxamine II	ND	0.010
	Clinton, MA	01510		Sulfotep	ND	0.010
Phone:	(978) 365-904	5		Sulprofos	ND	0.030
Fax:	(978) 365-937			Tebuconazole	LC/MS	0.010
Email:	jbillings@ngeo.n			Tebufenpyrad	ND	0.010
LIIIdii.	Johnnigsengeo.	ict		Tebupirimfos	ND	0.010
				Tebutam	ND	0.010
				Tebuthiuron	ND	0.010
				Tecnazene (TCNB)	ND	0.010
				Tefluthrin, cis-	ND	0.010
	Project No:			Terbacil Terbufos	ND ND	0.010 0.010
				Terbuneton	ND	0.010
	PO No:					
	FO NO.			Terbuthylazine	ND ND	0.030 0.010
				Tetrachloraniline, 2,3,5,6-	1000	
Clic	ent Sample ID:	S-7 (G)		Tetrachlorvinphos, e-isomer Tetraconazole	ND ND	0.010 0.010
Circ	int Sample ib.	0 / (u)		Tetradifon	ND	0.010
				Tetradilon Tetrahydrophthalimide, cis-1,2,3,6-	ND	0.010
				Tetrahydrophthalimide, cis-1,2,3,6-	ND	0.010
				Tetramethrin I	ND	0.030
	Sample Date:	3/21/2017		Tetramethrin II	ND	0.010
ГМ	and the state of t	17032222-07a		Thiabendazole	ND	0.030
EN	IA Sample No:	1/032222-0/a		Thiamethoxam	ND	0.010
- 0	Date Received:	3/22/2017		Thionazin	ND	0.030
				Tolclofos-methyl	ND	0.010
	Sample Matrix:	Soil		Tolylfluanid	ND	0.010
				Triadimeton	ND	0.010
-		FDA Import GO	MICAIC Cp. 7	Triadimenol	LC/MS	0.010
Ana	lytical Method:	rba import de	//via/via ap - 2	Triazophos	ND	0.010
Evtr	action Method:	FDA 302		Tricyclazole	ND	0.030
EXII	action Metriou:			Trifloxystrobin	ND	0.010
D	ate Extracted:	4/4/2017		Triflunizole	ND	0.010
				Trifluralin	ND	0.010
Da	te Completed:	4/5/2017		Trimethacarb, 2,3,5-	ND	0.010
				Trimethacarb, 3,4,5-	ND	0.010
	Surrogate:			Trimidal (Nuarimol)	ND	0.010
	1.=			Triticonazole	ND	0.010
Sı	ırrogate Level:			Vernolate	ND	0.030
				Vinclozolin	ND	0.010

Comments:

Recovery:

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Analytical Report Revised April 26, 2017

Client: Jay Billings
Northeast Geoscience
97 Walnut Street
Clinton , MA 01510

Phone: (978) 365-9045
Fax: (978) 365-9378
Email: jbillings@ngeo.net

Project No:

PO No:

Client Sample ID: S-7 (G)

Sample Date: 3/21/2017

EMA Sample No: 17032222-07a

Date Received: 3/22/2017

Sample Matrix: Soil

Analytical Method: FDA Import LC/MS/MS A-C

Extraction Method: FDA 302

Date Extracted: 4/4/2017

Date Completed: 4/5/2017

Surrogate:

Surrogate Level:

Recovery:

Comments:

Analyte	Amount ppm	RL ppm
3-Hydroxycarbofuran	ND	0.010
Acephate	ND	0.010
Acetamiprid	ND	0.010
Acetochlor	ND	0.010
Acibenzolar-S-methyl	ND	0.010
Alanycarb	ND	0.010
Aldicarb-sulfone	ND	0.010
Aldicarb-sulfoxide	ND	0.010
Ametryn	ND	0.010
Amicarbazone	ND	0.010
Aminocarb	ND	0.010
Aspon	ND	0.010
Atrazine	ND	0.010
Avermectin Ba	ND	0.010
Azinphos-methyl	ND	0.010
Azoxystrobin	ND	0.010
Benalaxyl	ND	0.010
Bendiocarb	ND	0.010
Benfuracarb	ND	0.010
Bensulide	ND	0.010
Benzoximate	ND	0.010
Bifenazate	ND	0.010
Bitertanol	ND	0.010
Boscalid	ND	0.010
Bromuconazole (isomer)	ND	0.010
Bupirimate	ND	0.010
Buprofezin	ND	0.010
Butafenacil	ND	0.010
Butocarboxim	ND	0.010
Carbaryl	ND	0.010
Carbendazim	ND	0.010
Carbetamide	ND	0.010
Carbofuran	ND	0.010
Carbosulfan	ND	0.010
Carboxine	ND	0.010
Carfentrazone-ethyl	ND	0.010
Chlorantraniliprole	0.01	0.010
Chlordimeform	ND	0.010
Chlorfenvinphos	ND	0.010
Chlorfluazuron	ND	0.010
Chloroxuron	ND	0.010
Chlorpyrifos	ND	0.010
Chlorpyrifos-methyl	ND	0.010
Chlortoluron	ND	0.010
Clethodim	ND	0.010
Clofentezine	ND	0.010
Clothianidin	ND	0.010
Coumaphos	ND	0.010
Cumyluron	ND	0.010
Cyanazine	ND	0.010
Cyazofamid	ND	0.010
Cycluron	ND	0.010
Cyflufenamid	ND	0.010
Cyhexatin	ND	0.010
Cymoxanil	ND	0.010
Cyproconazole (isomer)	ND	0.010
Cyprodinil	ND	0.010
Cyromazine	ND	0.010

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Date: 04/13/17

Reviewed by:

Jonald a. Peterso

	Analytica April 26, 2017	l Report	Revised	Analyte	Amount ppm	RL ppm
				Daimuron	ND	0.010
Client:	Jay Billings			Diafenthiuron	ND	0.010
		oolongo		Diazinon	ND	0.010
	Northeast Geo			Dichlorvos	ND	0.010
	97 Walnut Stre			Diclobutrazol	ND	0.010
	Clinton, MA	01510			ND	0.010
Phone:	(978) 365-904	5		Dicrotophos		
Fax:	(978) 365-937			Diethofencarb	ND	0.010
Email:	jbillings@ngeo.n			Difenoconazole	ND	0.010
Liliali.	Julilingsengeo.ii	ICL	3.8	Diflubenzuron	ND	0.010
				Dimethenamide	ND	0.010
				Dimethoate	ND	0.010
				Dimethomorph	ND	0.010
				Dimoxystrobin	ND	0.010
				Diniconazole	ND	0.010
	Project No:			Dioxacarb	ND	0.010
				Diuron	ND	0.010
	PO No:			DMST	ND	0.010
	10110.				ND	0.010
				DNOC		
Cli	C	0.7 (0)		Dodine	ND	0.010
Clie	ent Sample ID:	S-7 (G)		Doramectin	ND	0.010
				Emamectin Ba	ND	0.010
				Epoxiconazole	ND	0.010
				Eprinomectin	ND	0.010
				Esprocarb	ND	0.010
	Sample Date:	3/21/2017		Ethidimuron	ND	0.010
EM	IA Comple No.	17032222-07a		Ethiofencarb	ND	0.010
	IA Sample No:	11032222-01a		Ethiofencarb-sulfoxide	ND	0.010
	Date Received:	3/22/2017		Ethion	ND	0.010
	vate necesived.	G		Ethiprole	ND	0.010
9	Sample Matrix:	Soil				0.010
	activities at activities of the			Ethirimol	ND	
				Ethofumesate	ND	0.010
Δna	lytical Method:	FDA Import LC	/MS/MS D-F	Ethoprop	ND	0.010
Alla	iyticai metrica.	· ·		Etobenzanid	ND	0.010
Extra	action Method:	FDA 302		Etoxazole	ND	0.010
LAUG	action Method.			Famoxadone	ND	0.010
D:	ate Extracted:	4/4/2017		Fenamidone	ND	0.010
	ato Entradical			Fenarimol	ND	0.010
Da	te Completed:	4/5/2017		Fenazaquin	ND	0.010
Du	co compicced.	10012017		Fenbuconazole	ND	0.010
	Currogator			Fenbutatin Oxide	ND	0.010
	Surrogate:			Fenhexamid	ND	0.010
C.	urrogato I avali			Fenobucarb	ND	0.010
31	ırrogate Level:			Fenoxycarb	ND	0.010
	_			The same of the sa		
	Recovery:			Fenpropimorph	ND	0.010
				Fenpyroximate	ND	0.010
				Fenuron	ND	0.010
Comm	ents:			Flonicamid	ND	0.010
				Fluazifop-butyl	ND	0.010
				Flubendiamide	ND	0.010
				Fludioxinil	ND	0.010
				Flufenacet	ND	0.010
				Flufenoxuron	ND	0.010
				Fluometuron	ND	0.010
				Fluopicolide	ND	0.010
				Fluoxastrobin	ND	0.010
				Fluquinconazole	ND	0.010
				Flusilazole	ND	0.010
D D-				Flutolanil	ND	0.010
R = Reported on		ing Limit /DL\		Flutriafol	ND	0.010
Tolerance data to	cted at the Report aken from 40 CFR	8 180 Fnvironme	ntal Micro Analysis Inc. makes	Fomesafen	ND	0.010
no claims as to the	he accuracy of tole	rance numbers.	ntal Micro Analysis, Inc. makes	Forchlorfenuron	ND	0.010
Excess sample a	and extracts are sto	ored for a minimum	of 30 days from the date of	Formetanate	ND	0.010
analytical report.	Special storage a	rrangements possi	ble.	Fuberidazole	ND	0.010
Samples are and	ly to items tested. alyzed as received.			Furalaxyl	ND	0.010
Reports should r	not be reproduced.	except in full, with	out written consent by			
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To see the scope pdf	e of our ISO 17025	accreditation go to	http://emalab.com/ISO17025.			
pui						

	nalytica	l Report	Revised	Analyte	Amount ppm	RL ppm
				Halofenozide	ND	0.010
Client:	Jay Billings			Hexaflumuron	ND	0.010
	Northeast Geo	oscience		Hexazinone	ND	0.010
19	97 Walnut Stre	eet		Hexythiazox	ND	0.010
	Clinton, MA	01510		Hydramethylnon	ND	0.010
	(978) 365-904			Imazalil	ND	0.010
	(978) 365-937			lmazapyr	ND	0.010
				Imazethapyr	ND	0.010
cman.	billings@ngeo.r	iet		Imibenconazole	ND	0.010
				Imidacloprid	0.01	0.010
				Indoxacarb	ND	0.010
				Ipconazole	ND	0.010
				Iprovalicarb	ND	0.010
	Project No:			Isocarbamid	ND	0.010
	rroject No.			Isofenphos	ND	0.010
	PO No:			Isoprocarb	ND ND	0.010 0.010
	FO NO.			Isoprothiolane		
				Isoproturon	ND ND	0.010 0.010
Clion	t Sample ID:	S-7 (G)		Ivermectin	ND	0.010
Clien	t Sample ID.	3-7 (G)		Kresoxim-methyl Lactofen	ND	0.010
				Linuron	ND	0.010
				Malathion	ND	0.010
				Mandipropamid	ND	0.010
S	ample Date:	3/21/2017		Mefenacet	ND	0.010
EMA	Comple No.	17032222-07a		Mepanipyrim	ND	0.010
EMA	Sample No:	17032222-07a		Mepronil	ND	0.010
Da	te Received:	3/22/2017		Metaflumizone	ND	0.010
		0-11		Metalaxyl	ND	0.010
Sa	mple Matrix:	Soil		Metconazole	ND	0.010
				Methamidophos	ND	0.010
		FDA Import LC/	MS/MS H-O	Methfuroxam	ND	0.010
Anaiy	tical Method:	1 DA Import Los	mamo n o	Methidathion	ND	0.010
Eytrac	tion Method:	FDA 302		Methiocarb	ND	0.010
LAHGO	non montou.			Methomyl	ND	0.010
Dat	e Extracted:	4/4/2017		Methoprotryne	ND	0.010
				Methoxyfenozide	ND	0.010
Date	Completed:	4/5/2017		Metobromuron	ND	0.010
				Metolachlor	ND	0.010
	Surrogate:			Metoxuron	ND	0.010
0				Metrafenone Metribuzin	ND ND	0.010
Surr	ogate Level:			Metsulfuron-methyl	ND	0.010
	Recovery:			Mevinphos	ND	0.010
	necovery.			Mexacarbate	ND	0.010
				Molinate	ND	0.010
Common	****			Monocrotophos	ND	0.010
Commer	its:			Monolinuron	ND	0.010
				Moxidectin	ND	0.010
				Myclobutanil	ND	0.010
				Napropamide	ND	0.010
				Neburon	ND	0.010
				Nitenpyram	ND	0.010
				Novaluron	ND	0.010
				Omethoate	ND	0.010
				Oxamyl	ND	0.010
				Oxadixyl	ND	0.010

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

	Analytica	l Report	Revised		Amount	RL
,	April 26, 2017	-		Analyte	ppm	ppm
0!!	I			Pencycuron	ND	0.010
Client:	Jay Billings			Pendimethalin Phorate	ND ND	0.010 0.010
	Northeast Geo			Phosmet	ND	0.010
	Clinton, MA			Phoxim	ND	0.010
Dhaaa				Picoxystrobin	ND	0.010
Phone: Fax:	(978) 365-904 (978) 365-937			Piperonyl butoxide	ND	0.010
Email:	jbillings@ngeo.r			Pirimicarb	ND	0.010
Lindii	Jonningse rigeo.i			Pirimiphos-methyl Prochloraz	ND ND	0.010 0.010
				Promecarb	ND	0.010
				Prometon	ND	0.010
				Prometryn	ND	0.010
	Decises No.			Propachlor	ND	0.010
	Project No:			Propamocarb	ND	0.010
	DO No.			Propargite	ND	0.010
	PO No:			Propagine	ND ND	0.010 0.010
				Propham Propiconazole	0.02	0.010
Clie	ent Sample ID:	S-7 (G)		Propoxur	ND	0.010
				Propyzamide	ND	0.010
				Pymetrozin	ND	0.010
				Pyracarbolid	ND	0.010
	Sample Date:	3/21/2017		Pyraclostrobin	ND	0.010
-	(CINES CARN AND CARN CARN			Pyridaben Pyridaphenthion	ND ND	0.010 0.010
EN	AA Sample No:	17032222-07a		Pyrimethanil	ND	0.010
ī	Date Received:	3/22/2017		Pyriproxyfen	ND	0.010
	Comple Matrix	Soil		Quinoxyfen	ND	0.010
9	Sample Matrix:	3011		Sebuthylazine	ND	0.010
				Secbumeton	ND	0.010
Ana	lytical Method:	FDA Import LC	C/MS/MS P-Trid	Sethoxydim	ND ND	0.010 0.010
	· Company Resident Services	EDA 200		Siduron Simazine	ND	0.010
Extr	action Method:	FDA 302		Simetryn	ND	0.010
D	ate Extracted:	4/4/2017		Spinetoram-J +L	ND	0.010
				Spinosad	ND	0.010
Da	te Completed:	4/5/2017		Spirodiclofen	ND	0.010
				Spiromecifen Spirotetramat	ND ND	0.010 0.010
	Surrogate:			Spiroxamine	ND	0.010
Si	urrogate Level:			Sulfentrazone	ND	0.010
				Tebuconazole	0.03	0.010
	Recovery:			Tebufenozide	ND	0.010
				Tebufenpyrad	ND	0.010
C	nents:			Tebuthiuron Temephos	ND ND	0.010 0.010
Comin	ients:			Tepraloxydim	ND	0.010
				Terbumeton	ND	0.010
				Terbutryn	ND	0.010
				Tetraconazole	ND	0.010
				Thiadendazole	ND ND	0.010 0.010
				Thiacloprid Thiamethoxam	ND	0.010
				Thidiazuron	ND	0.010
				Thiobencarb	ND	0.010
				Thiofanox	ND	0.010
B B				Thiophanate-methyl (Carbendazim)	ND	0.010
ND - None Dete	n another Screen ected at the Report	ting Limit (RL)		Triadimeton	ND ND	0.010
Tolerance data t	taken from 40 CFR	§ 180. Environme	ntal Micro Analysis, Inc. makes	Triadimenol Triazophos	0.03 ND	0.010 0.010
Excess sample	and extracts are sto	erance numbers. ored for a minimum	of 30 days from the date of	Tricyclazole	ND	0.010
analytical report	 Special storage a 	arrangements poss	ible.	Tridemorph	ND	0.010
Samples are an	nly to items tested. alyzed as received.			=22		
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Environmental Micro Analysis, Inc. ISO 17025 accreditation 460 N East Street ELAP Certificate #2819 Woodland, CA 95776 Phone: (530) 666-6890 Fax: (530) 666-2987 e-mail: emalab@emalab.com website: www.emalab.com

Analytical Report Revised April 26, 2017

Client: Jay Billings Northeast Geoscience 97 Walnut Street Clinton, MA 01510

Phone: (978) 365-9045 Fax: (978) 365-9378 Email: jbillings@ngeo.net

Analyte	Amount ppm	RL ppm
Trifloxystrobin	ND	0.010
Triflumizole	ND	0.010
Triflumuron	ND	0.010
Triflusulfuron-methyl	ND	0.010
Triphenyl Phosphate	ND	0.010
Triticonazole	ND	0.010
Uniconazole	ND	0.010
Vamidothion	ND	0.010
Zoxamide	ND	0.010

Project No:

PO No:

Client Sample ID: S-7 (G)

Sample Date: 3/21/2017
EMA Sample No: 17032222-07a
Date Received: 3/22/2017
Sample Matrix: Soil

Analytical Method: FDA Import LC/MS/MS Trif-Z

Extraction Method: FDA 302

Date Extracted: 4/4/2017

Date Completed: 4/5/2017

Surrogate Level:

Surrogate:

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
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Date: 04/13/17 Reviewed by: Joseph a Pileus Don Peterson, Laboratory Director Page: 113 of 136

Woodland, CA 95776

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

Analytical Report Revised April 26, 2017

Client: Jay Billings Northeast Geoscience 97 Walnut Street Clinton, MA 01510

(978) 365-9045 Phone: (978) 365-9378 Fax: Email: jbillings@ngeo.net

Analyte	Amount ppm	RL ppm
Ferbam	ND	0.030
Maneb (Dithane M-22)	ND	0.030
Mancozeb	ND	0.030
Metiram	ND	0.030
Nabam	ND	0.030
Thiram	ND	0.030
Zineb	ND	0.030
Ziram	ND	0.030

Project No:

PO No:

Client Sample ID: S-7 (G)

Sample Date: 3/21/2017 EMA Sample No: 17032222-07a Date Received: 3/22/2017

Sample Matrix: Soil

Analytical Method: EBDC Screen

Extraction Method: CDFA

Date Extracted: 3/31/2017

Date Completed: 3/31/2017

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
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Analytical Report Revised

eport Revised	Analyte	Amount ppm	RL ppm
	2, 4 - D	ND	0.250
	2, 4 -DB	ND	0.250
ce	2, 4, 5 - T	ND	0.130
	2, 4, 5 -TP	ND	0.130
	Dicamba	ND	0.130
	Dichloroprop	ND	0.130
	Bentazon	ND	0.250
	MCPA	ND	0.250
	MCPP	ND	0.250
	Triclopyr	ND	0.250
	eport Revised	2, 4 - D 2, 4 - DB 2, 4 - DB 2, 4, 5 - T 2, 4, 5 - TP Dicamba Dichloroprop Bentazon MCPA MCPP	Analyte

Project No:

PO No:

Client Sample ID: S-7 (G)

Sample Date: 3/21/2017 EMA Sample No: 17032222-07a Date Received: 3/22/2017 Sample Matrix: Soil

Analytical Method: EPA 8151A (s) Extraction Method: EPA 8151A Date Extracted: 4/4/2017

Date Completed: 4/10/2017

Surrogate: DCAA

Surrogate Level: 0.2 mg/Kg

Recovery: 58.3

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
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Reviewed by:

Jonald a. Peterso

	Analytica	l Report	Revised	Analyte	Amount ppm	RL ppm
				a, b, d-BHC	ND	0.010
Client:	Jay Billings			Alachlor	ND	0.020
	Northeast Geo	science		Aldrin	ND	0.010
	97 Walnut Stre			Benfluralin	ND	0.020
	Clinton, MA	01510		Bifenox	ND	0.050
Phone:	(978) 365-904	5		Boscalid	ND	0.020
Fax:	(978) 365-937			Bromacil	ND	0.040
Email:	jbillings@ngeo.n			Captafol	ND	0.040
Lindii	Johnnigsengeon			Captan	ND ND	0.020 0.020
				Chlordane (sum of Isomers) Chlorfenapyr	ND	0.020
				Chlorobenzilate	ND	0.040
				Chlorothalonil	ND	0.010
				Cyanazine	ND	0.100
	Project No:			Dacthal	ND	0.020
				DDD	ND	0.020
	PO No:			DDE	ND	0.020
				DDT	ND	0.020
				Dichlobenil	ND	0.030
Clie	ent Sample ID:	S-7 (G)		Dichlone	ND	0.050
				Dicloran	ND	0.020
				Dicofol	ND	0.050
				Dieldrin	ND	0.010
	Sample Date:	3/21/2017		Endosulfan alpha Endosulfan beta	ND ND	0.010
-	4			Endosulfan beta Endosulfan sulfate	ND	0.010
EM	1A Sample No:	17032222-07a		Endosulfans (Total)	ND	0.010
Г	Date Received:	3/22/2017		Endrin	ND	0.010
		0-11		Ethafluralin	ND	0.030
	Sample Matrix:	Soil		Fenhexamid	ND	0.030
				Folpet	ND	0.050
		OC Screen		Heptachlor	ND	0.010
Ana	lytical Method:	OO OCICEII		Heptachlor epoxide	ND	0.020
Extra	action Method:	CDFA		Hexachlorobenzene	ND	0.010
				Indoxacarb	ND	0.030
Da	ate Extracted:	4/4/2017		Iprodione	ND	0.050
_				Lindane (gamma-BHC)	ND	0.010
Da	te Completed:	4/5/2017		Linuron Methoxychlor	ND ND	0.150 0.050
	0	Diboatablead		Metribuzin	ND	0.020
	Surrogate:	Dibutylchlorde	enate	Mirex	ND	0.020
Su	urrogate Level:	0.013 ppm		Myclobutanil	ND	0.050
		ото то ррии		Oxadiazon	ND	0.050
	Recovery:	NR		Oxyfluorfen	ND	0.040
				Pendimethalin	ND	0.050
				Pentachloronitrobenzene (PCNB)	ND	0.020
Comm	ents:			Pentachloroanaline (PCA)	ND	0.010
				Perthane	ND	0.100
				Polychlorinated Biphenyls	ND	0.250
				Procymidone Profugalia	ND ND	0.020 0.020
				Profluralin Pronamide	ND	0.020
				Propanil	ND	0.050
				Tetradifon	ND	0.020
				Toxaphene	ND	0.250
				Triadimefon	ND	0.020
				Trifloxystrobin	ND	0.030
				Triflumazole	ND	0.050
R = Reported on	another Screen	ing Limit (DL)		Trifluralin	ND	0.020
Tolerance data to	cted at the Report aken from 40 CFR	§ 180. Environme	ntal Micro Analysis, Inc. makes	Vegadex (Diethyldithiocarbamic Acid)	ND	0.050
no claims as to the	he accuracy of tole	rance numbers.		Vinclozolin	ND	0.020
		ored for a minimum Irrangements possi	of 30 days from the date of ble.	Dithiopyr	ND	0.020
Results relate on	ly to items tested.		w	Norflurazon	ND	0.020
Samples are and	alýzed as received.	except in full with	out written consent by			
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Date: 04/13/17

____ Reviewed by: _

Joseph a Milano Don Peterson, Laboratory Director

Environmental Micro Analysis, Inc. ISO 17025 accreditation 460 N East Street **ELAP Certificate #2819** Woodland, CA 95776

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

Analytical Report Revised

April 26, 2017

Client: Jay Billings

Northeast Geoscience 97 Walnut Street Clinton, MA 01510

(978) 365-9045 (978) 365-9378 Fax:

jbillings@ngeo.net Email:

Analyte	Amount ppm	RL ppm
Bifenthrin	ND	0.020
Cyfluthrin	ND	0.040
Cypermethrin	ND	0.040
Deltamethrin	ND	0.020
Esfenvalerate	ND	0.030
Fenpropathrin	ND	0.010
Fluvalinate	ND	0.040
lambda Cyhalothrin	ND	0.010
Permethrin	ND	0.100
Tralomethrin	ND	0.020
Pyrethrins (Total)	ND	0.050

Project No:

PO No:

Client Sample ID: S-7 (G)

Sample Date: 3/21/2017 EMA Sample No: 17032222-07a Date Received: 3/22/2017 Sample Matrix: Soil

Analytical Method: Pyrethroid Screen

Extraction Method: CDFA

Date Extracted: 4/4/2017

Date Completed: 4/5/2017

Surrogate: Dibutylchlordenate

Surrogate Level: 0.013 ppm

Recovery: NR

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
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Joseph a Pilow Don Peterson, Laboratory Director

Analytical Report Revised

RL

ppm

Amount

ppm

ND

0.020

0.040

0.030

0.020

0.050

0.030

0.030

0.030

0.050

0.050

0.040

0.050

0.050

0.030

0.020

0.050

0.020

0.020

0.030

0.020

0.020

P	April 26, 2017	N. Errorson • Year	PP	PP
		Acephate	ND	0.020
Client:	Jay Billings	Azinphos-methyl	ND	0.050
	Northeast Geoscience	Bolstar	ND	0.030
	97 Walnut Street	Bensulide	ND	0.050
	Clinton, MA 01510	Carbofenothion	ND	0.020
Phone:	(978) 365-9045	Chlorfenvinphos	ND	0.030
		Chlorpyrifos	ND	0.020
Fax:	(978) 365-9378	Chlorpyrifos-methyl	ND	0.030
Email:	jbillings@ngeo.net	Ciodrin	ND	0.050
		Coumaphos	ND	0.050
		DEF	ND	0.050
		Demeton (Systox) O/S Analogues	ND	0.040
		Diazinon	ND	0.030
	Desires New	Dibrom	ND	0.050
	Project No:	Dichlorvos	ND	0.030
		Dicrotophos	ND	0.020
	PO No:	Dimethoate	ND	0.020
		Disulfoton	ND	0.020
		EPN	ND	0.020
Clie	ent Sample ID: S-7 (G)	Ethion	ND	0.030
		Ethoprop	ND	0.050
		Fenamiphos	ND	0.020
		Fenitrothion	ND	0.030

Analyte

Fenthion Sample Date: 3/21/2017 Fonofos Isofenphos EMA Sample No: 17032222-07b Malathion Date Received: 3/22/2017 Metasystox-R Methamidophos Sample Matrix: Soil Methidathion Methyl Parathion Mevinphos Analytical Method: OP Screen O-methoate Parathion Extraction Method: CDFA Phorate Phosalone Date Extracted: 4/4/2017 Phosmet Phosphamidon Date Completed: 4/5/2017 Pyrimiphos-methyl Profenofos Surrogate: Triphenylphosphate

Propetamphos

Tetrachlorvinphos

Don Peterson, Laboratory Director

Ronnel

Thionazin

Comments:

Surrogate Level: 0.067 ppm

Recovery: 125

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.
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Analytical Report Revised

Client: Jay Billings Northeast Geoscience 97 Walnut Street Clinton , MA 01510

Phone: (978) 365-9045
Fax: (978) 365-9378
Email: jbillings@ngeo.net

April 26, 2017

Project No:

PO No:

Client Sample ID: S-7 (G)

Sample Date: 3/21/2017
EMA Sample No: 17032222-07b
Date Received: 3/22/2017

Sample Matrix: Soil

Analytical Method: ON Screen

Extraction Method: CDFA

Date Extracted: 4/4/2017

Date Completed: 4/5/2017

Surrogate: Triphenylphosphate

Surrogate Level: 0.067 ppm

Recovery: 125

Comments:

Analyte	Amount ppm	RL ppm
Acetamipride	ND	0.050
Atrazine	ND	0.030
Azoxystrobin	ND	0.030
Benthiocarb	ND	0.050
Cyanazine	ND	0.050
Cyromazine	ND	0.050
Cyprodinil	ND	0.050
Dimethomorph	ND	0.050
Diphenyl Amine	ND	0.050
Fenamidone	ND	0.050
Fenbuconazole	ND	0.050
Fipronil	ND	0.050
Fludioxinil	ND	0.050
Hexazinone	ND	0.050
Imazalil	ND	0.050
Kresoxim Methyl	ND	0.050
Metalaxyl	ND	0.050
Metolachlor	ND	0.050
Metribuzin	ND	0.050
Molinate	ND	0.050
Myclobutanil	ND	0.050
Prometon	ND	0.050
Prometryne	ND	0.050
Propamocarb	ND	0.050
Propiconazole	LC/MS	0.050
Pymetrozine	ND	0.050
Pyraclostrobin	ND	0.050
Pyriproxifen	ND	0.050
Sethoxydim	ND	0.050
Simazine	ND	0.050
Tebuconazole	LC/MS	0.050
Terbacil	ND	0.050
Thiabendazole	ND	0.050
Desethyl Atrazine	ND	0.050

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.
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pdf

Date: __04/13/17

Reviewed by:

Josell a. Peterso

Don Peterson, Laboratory Director

Analytica April 26, 2017	Report Revised	Analyte	Amount ppm	RL ppm
		Acephate	ND	0.030
Client: Jay Billings		Acetamiprid	ND	0.030
Northeast Geo	science	Acrinathrin	ND	0.010
97 Walnut Stre	eet	Adiisopropylnaphthalene, 2,6- (DIPN,	ND	0.010
Clinton, MA (01510	Alachlor	ND	0.010
Phone: (978) 365-904	5	Allertania	ND	0.010
Fax: (978) 365-937		Allethrin	ND ND	0.010 0.010
Email: jbillings@ngeo.n		Ametryn Aminocarb	ND	0.010
, , ,		Atrazine	ND	0.010
		Azinphos-methyl	ND	0.010
		Azoxystrobin	ND	0.010
		Benalaxyl	ND	0.010
Section by the condition		Azoxystrobin	ND	0.010
Project No:		Bendiocarb	ND	0.010
		Benfluralin	ND	0.010
PO No:		Benoxacor	ND	0.010
		BHC-alpha (Benzene	ND	0.010
	E 12 L20	BHC-beta	ND	0.010
Client Sample ID:	S-8 (F)	BHC-delta	ND	0.010
		BHC-gamma (Lindane, gamma HCH)	ND	0.010
		Bifenox	ND	0.010
		Bifenthrin	ND	0.010
Sample Date:	3/21/2017	Bioresmethrin (resmethrin-trans)	ND	0.010
Section as the color of the color		Bitertanol I	ND ND	0.010 0.010
EMA Sample No:	17032222-08a	Bitertanol II Boscalid	ND	0.010
Date Received:	3/22/2017	Bromacil	ND	0.030
FR 8 2 2 2 2		Bromophos-ethyl	ND	0.010
Sample Matrix:	Soil	Bromophos-methyl	ND	0.010
		Bromopropylate	ND	0.010
	EDA Imment COMICAIS A Cu	Bupirimate	ND	0.010
Analytical Method:	FDA Import GC/MS/MS A - Cx	Buprofezin (z-isomer)	ND	0.010
Extraction Method:	FDA 302	Butachlor	ND	0.010
Extraction Metriou.		Butralin	ND	0.010
Date Extracted:	4/4/2017	Butylate	ND	0.030
		Cadusafos	ND	0.010
Date Completed:	4/5/2017	Captafol	ND	0.010
		Captan	ND	0.030
Surrogate:		Carbaryl	ND	0.010
Cump mate I avail		Carbofuran	ND ND	0.010 0.010
Surrogate Level:		Carbophenothion-ethyl Carbophenothion-methyl (methyl	ND	0.010
Pacayory		Carbosulfan	ND	0.030
Recovery:		Carbosinan	ND	0.030
		Chlorbenzilate	ND	0.010
Comments:		Chlordane-alpha	ND	0.010
comments.		Chlordane-oxy	ND	0.010
		Chlordane-trans (gamma)	ND	0.010
		Chlordimeform	ND	0.010
		Chlorfenapyr	ND	0.010
		Chlorfenvinphos	ND	0.010
		Chlorobenzilate	ND	0.010
		Chloroneb	ND	0.010
		Chlorothalonil	ND	0.030
		Chlorpropham	ND	0.010
		Chlorpyrifos mothyl	ND	0.010 0.010
R = Reported on another Screen		Chlorpyrifos-methyl Chlorthiophos	ND ND	0.010
ND = None Detected at the Report	ing Limit (RL)	Clomazone	ND	0.010
Tolerance data taken from 40 CFR	§ 180. Environmental Micro Analysis, Inc. ma	Coumaphos	ND	0.010
no claims as to the accuracy of tole Excess sample and extracts are sto	ored for a minimum of 30 days from the date of		ND	0.010
analytical report. Special storage a Results relate only to items tested. Samples are analyzed as received.	rrangements possible. except in full, without written consent by	Олокурное	,,,,	0.010
Environmental Micro Analysis, Inc.	accreditation go to http://emalab.com/ISO170	25.		

	Analytica April 26, 2017	l Report	Revised	Analyte	Amount ppm	RL ppm
				Cyanazine	ND	0.010
Client:	Jay Billings			Cyanofenphos	ND	0.010
	Northeast Geo	oscience		Cyanophos	ND	0.010
	97 Walnut Stre			Cycloate	ND	0.030
	Clinton, MA			Cycluron	ND	0.010
-				Cyfluthrin (Total)	ND	0.010
Phone:	(978) 365-904			Cyhalothrin (lambda)	ND	0.010
Fax:	(978) 365-937			Cymiazole	ND	0.010
Email:	jbillings@ngeo.r	net		Cypermethrin (Total)	ND	0.010
				Cyproconazole	ND	0.010
				Cyprodinil	ND	0.010
				DCPA (dacthal, Chlorthal-dimethyl)	ND	0.010
				DDD-o,p'	ND	0.030
				DDD-p,p'	ND	0.010
	Project No:			DDE-o,p'	ND	0.010
				DDE-p,p'	ND	0.010
	PO No:			DDT-o,p'	ND	0.010
				DDT-p,p'	ND	0.030
				DEF (Tribufos)	ND	0.010
Clie	ent Sample ID:	S-8 (F)		Deltamethrin	ND	0.010
				Demeton-s-methyl	ND	0.030
				Desmedipham	ND	0.010
				Desmetryn	ND	0.010
		2/24/2017		Diallate I	ND	0.030
	Sample Date:	3/21/2017		Diallate II	ND	0.010
EM	IA Sample No:	17032222-08a	/	Diazinon	ND	0.010
_		0/00/0047	, C	Diazinon-oxon (diazoxon)	ND	0.010
	Date Received:	3/22/2017		Dichlofenthion	ND	0.010
9	Sample Matrix:	Soil		Dichlofluanid	ND	0.030
	ouripio riderii			Dichlorobenzonitrile, 2,6- (Dichlobenil)	ND	0.030
				Dichlorvos	ND	0.030
Anal	lytical Method:	FDA Import GC/	MS/MS Cy - D	Dichloran (Dichloran)	ND	0.030
- 1111	,			Dicofol-o,p'	ND	0.010
Extra	action Method:	FDA 302		Dicofol-p,p' (Kelthane)	ND	0.010
_		4/4/0047		Dicrotofos (Dicrotophos) Dieldrin	ND ND	0.010
Da	ate Extracted:	4/4/2017		Diethofencarb	ND	0.010
D-		4/5/0047		Difenoconazole I	ND	0.010
Dai	te Completed:	4/5/2017		Difenoconazole II	ND	0.010
				Dimethachlor	ND	0.010
	Surrogate:			Dimethoate	ND	0.010
C.	rrogate Level:			Dimethomorph I	ND	0.010
Su	irrogate Level.			Dimethomorph II	ND	0.010
	Recovery:			Diniconazole	ND	0.010
	necovery.			Dinitramine	ND	0.030
				Dioxacarb	ND	0.030
Comm	onte•			Dioxathion	ND	0.010
Commi	ciito.			Diphenamid	ND	0.010
				Diphenylamine	ND	0.010
				Disulfoton	ND	0.010
				Disulfoton Sulfone	ND	0.010

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_____ Reviewed by: __

Joseph a Pilow Don Peterson, Laboratory Director

Analytical Report Revised

Amount RL

2	April 26, 2017		Analyte	ppm	ppm
	.p 20, 2011		Edifornhos	ND	0.010
Client:	leu Dillinge		Edifenphos Endosulfan I (alpha Isomer)	ND	0.010
Ollent.	Jay Billings Northeast Geo		Endosulfan II (beta Isomer)	ND	0.010
			Endosulfan Sulfate	ND	0.010
	97 Walnut Stre		Endrin	ND	0.010
	Clinton, MA		Endrin Aldehyde	ND	0.030
Phone:	(978) 365-904		EPN	ND	0.010
Fax:	(978) 365-937		Epoxiconazole	ND	0.010
Email:	jbillings@ngeo.n	net	Esfenvalerate (Fenvalerate A-alpha)	ND	0.010
			Etaconazole I	ND	0.010
			Ethalfluralin (Sonalan)	ND	0.010
			Ethiofencarb	ND	0.010
			Ethiolate	ND	0.030
	Project No:		Ethion	ND	0.010
	r roject No.		Ethofumesate	ND	0.010
	DO No.		Ethoprophos (Ethoprop)	ND	0.030
	PO No:		Ethoxyquin	ND	0.030
			Etoxazole	ND	0.010
Clia	ent Sample ID:	S-8 (F)	Etrimfos	ND	0.010
Cité	ent Sample ID.	3-0 (F)	Famoxadone Famphur	ND ND	0.010
			Fenamidone	ND	0.010
			Fenamiphos (Phenamiphos)	ND	0.010
			Fenamiphos Sulfone	ND	0.010
	Sample Date:	3/21/2017	Fenarimol	ND	0.010
E1.	,	17032222-08a	Fenazaquin	ND	0.010
EN	MA Sample No:	17032222-00a	Fenbuconazole	ND	0.010
[Date Received:	3/22/2017	Fenfuram	ND	0.010
	CI- M-4	C-II	Fenhexamid	ND	0.010
;	Sample Matrix:	Soil	Fenitrothion	ND	0.010
			Fenobucarb	ND	0.010
	lution Mathead.	FDA Import GC/MS/MS E - H	Fenoxycarb	ND	0.010
Ana	lytical Method:	1 DX Import dominants 2	Fenpropathrin	ND	0.010
Extra	action Method:	FDA 302	Fenpropimorph	ND	0.010
			Fensulfothion	ND	0.010
D	ate Extracted:	4/4/2017	Fenthion	ND	0.010
			Fenvalerate II	ND	0.010
Da	te Completed:	4/5/2017	Fipronil	ND	0.010
			Flonicamid	ND	0.010
	Surrogate:		Fluchloralin	ND ND	0.010 0.010
21	urrogate Level:		Flucythrinate I Flucythrinate II	ND	0.010
30	urrogate Level.		Fludioxonil	ND	0.030
	Recovery:		Fluopicolide	ND	0.010
	necovery.		Fluquiniconazole	ND	0.010
			Flurenol-butyl	ND	0.010
Comm	ents.		Fluridone	ND	0.010
Comm	iones.		Flusilazole	ND	0.010
			Flutolanil	ND	0.010
			Flutriafol	ND	0.010
			Fluvalinate I	ND	0.010
			Folpet	ND	0.010
			Fonofos	ND	0.010
			Fuberidazole	ND	0.030
			Furalaxyl	ND	0.010
			Heptaclor	ND	0.010
			Heptachlor exo-epoxide (Isomer B)	ND	0.010
D = Donodod	another Career		Heptenophos	ND	0.010
R = Reported on ND = None Dete	another Screen ected at the Report	ting Limit (RL)	Hexachlorobenzene Hexaconazole	ND ND	0.030
Tolerance data t	aken from 40 CFR	§ 180. Environmental Micro Analysis, Inc. makes	Hexythiazox	ND	0.010
Excess sample a analytical report. Results relate or Samples are and Reports should re	Special storage any to items tested. alyzed as received. not be reproduced.	ored for a minimum of 30 days from the date of urrangements possible.	TONYMILLON	2	
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Analytical Report Revised	Anal	vtical	Report	Revised
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	Analytica	l Report	Revised		Amount	RL
	April 26, 2017			Analyte	ppm	ppm
				Imazalil	ND	0.030
Client:	Jay Billings			Indoxacarb	ND	0.010
	Northeast Ged	oscience		Iprobenfos	ND	0.030
	97 Walnut Stre	eet		Iprodione	ND	0.030
	Clinton, MA	01510		Isocarbamid (Isocarbamide)	ND ND	0.010
Phone:	(978) 365-904	15		Isocarbophos	ND	0.010 0.010
Fax:	(978) 365-937	78		Isodrin Isofenphos	ND	0.010
Email:	jbillings@ngeo.r			Isoprocarb	ND	0.010
	,			Isopropalin	ND	0.010
				Isoprothiolane	ND	0.030
				Isoproturon	ND	0.030
				Kresoxim-methyl	ND	0.010
				Lenacil	ND	0.010
	Project No:			Leptophos	ND	0.010
				Linuron	ND	0.010
	PO No:			Malaoxon (metabolite of Malathion)	ND	0.010
				Malathion	ND	0.010
				Mecarbam	ND	0.010
Clie	ent Sample ID:	S-8 (F)		Mepanipyrim	ND	0.010
				Mepronil	ND	0.010
				Metalaxyl	ND	0.010
				Metaldehyde	ND	0.030
	C	2/21/2017		Methidathion	ND	0.010
	Sample Date:	3/21/2017		Methiocarb	ND	0.010
EM	1A Sample No:	17032222-08a		Methoprene	ND	0.030
_		0/00/0047		Methoprotryne	ND	0.010
L	Date Received:	3/22/2017		Methoxychlor, o,p'-	ND	0.010
9	Sample Matrix:	Soil		Methoxychlor, p,p'-	ND	0.010
				Metolachlor	ND ND	0.010
				Metolcarb	ND	0.030
Anal	lytical Method:	FDA Import GC	:/MS/MS I - Pd	Metrafenone Metribuzin	ND	0.010
	% 7 .			Mevinphos	ND	0.030
Extra	action Method:	FDA 302		Mexacarbate	ND	0.010
D.	ata Eutmatadı	4/4/2017		MGK-264	ND	0.010
Di	ate Extracted:	4/4/2017		Mirex	ND	0.010
Dat	te Completed:	4/5/2017		Molinate	ND	0.030
Da	te completed.	4/3/2017		Monocrotophos	ND	0.030
	Surrogate:			Monolinuron	ND	0.010
	ourrogute.			Myclobutanil	ND	0.010
Su	irrogate Level:			Naled	ND	0.030
				Naphthaleneacetamide, 1-	ND	0.010
	Recovery:			Napropamide	ND	0.010
				Nicotine	ND	1.000
				Nitrofen	ND	0.010
Comm	ents:			Nitrothal-isopropyl	ND	0.010
				Nonachlor, cis-	ND	0.010
				Nonachlor, Trans-	ND	0.010
				Nuarimol	ND	0.010
				Omethoate	ND	0.010
				Oxadiazon	ND	0.010
				Oxadixyl	ND	0.010
				Oxyflurofen	ND	0.030
				Paclobutrazole	ND	0.030
				Paraoxon methyl	ND ND	0.010 0.010
				Paraoxon-methyl Parathion-ethyl	ND	0.010
norted on	another Screen			Parathion-methyl	ND	0.010
Ione Deter	cted at the Report	ing Limit (RL)		r araunon-memyr	ND	3.010

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

Analyt	ical Report	Revised		Amount	RL
April 26, 2017	•		Analyte	ppm	ppm
			Penconazole	ND	0.010
Client: Jay Billin	-		Pendimethalin (Penoxaline)	ND	0.010
	Geoscience		Pentachloroaniline Pentachloroanisole	ND	0.010
97 Walnu			Pentachloroanisole Pentachlorobenzonitrile	ND ND	0.010
	MA 01510		Pentachlorothioanisole	ND	0.010
Phone: (978) 365			Peopiconazole	ND	0.010
Fax: (978) 365			Permethrin I	ND	0.010
Email: jbillings@n	geo.net		Permethrin II (trans)	ND	0.010
			Phenothrin I	ND	0.010
			Phenothrin II	ND	0.010
			Phenthoate Phenylphenol, 2-	ND ND	0.010 0.010
			Phenyiphenoi, 2- Phorate	ND	0.010
Project 1	lo:		Phorate sulfone	ND	0.010
			Phorate sulfoxide	ND	0.010
PO	No:		Phosalone	ND	0.010
			Phosmet	ND	0.010
			Phosmet oxon	ND	0.030
Client Sample	ID: S-8 (F)		Phosphamidon I	ND	0.010
			Phosphamidon II	ND	0.010
			Piperonyl Butoxide Pirimicarb	ND ND	0.010 0.010
			Pirimiphos-ethyl	ND	0.010
Sample Da	te: 3/21/2017		Pirimiphos-methyl	ND	0.010
EMA Sample	No: 17032222-08a		Prochloraz	ND	0.010
Livi Sample			Procymidone	ND	0.010
Date Receiv	red: 3/22/2017		Prodiamine	ND	0.030
Sample Mat	rix: Soil		Profenofos	ND	0.010
•			Profluralin Promecarb	ND ND	0.010
			Prometan	ND	0.010
Analytical Meth	od: FDA Import G	C/MS/MS Pe - So	Prometryn	ND	0.010
Extraction Meth	od: FDA 302		Pronamide (Propyzamide)	ND	0.010
Extraction wet	iou:		Propachlor	ND	0.010
Date Extract	ed: 4/4/2017		Propanil	ND	0.010
			Propargite	ND	0.010
Date Complet	ed: 4/5/2017		Propetamphos	ND ND	0.010
Summan	ata.		Propham Propiconazole I	ND	0.030
Surrog	ale.		Propiconazole II	ND	0.010
Surrogate Le	vel:		Propoxur	ND	0.010
			Pyracarbolid	ND	0.010
Recov	ery:		Pyraclostrobin	ND	0.030
			Pyrazophos	ND	0.010
C			Pyridaben Pyridaphenthion	ND ND	0.010
Comments:			Pyrifenox I	ND	0.010
			Pyrifenox II	ND	0.010
			Pyrimethanil	ND	0.010
			Pyriproxyfen	ND	0.010
			Quinalphos	ND	0.010
			Quinoxyfen	ND	0.010
			Quintozene Resmethrin -cis (cismethrin)	ND ND	0.010
			Ronnel (Fenchlorphos)	ND	0.010
			Secbumeton	ND	0.010
			Simazine	ND	0.010
no claims as to the accuracy of Excess sample and extracts a analytical report. Special star Results relate only to items te Samples are analyzed as rec	Reporting Limit (RL) CFR § 180. Environment folerance numbers. Ire stored for a minimur age arrangements possisted. Sted. Sived.	sible.	Simetryn	ND	0.010
Reports should not be reprod Environmental Micro Analysis	, Inc.				
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Date: __04/13/17

_ Reviewed by: _

Sould a Peters

April 26, 2017

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

Analytic	cal Rep	ort Revised
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Client:	Jay Billings Northeast Geoscience 97 Walnut Street Clinton , MA 01510
Phone:	(978) 365-9045
Fax:	(978) 365-9378
Email:	jbillings@ngeo.net

Project No:		
PO No:		

Sample Date:	3/21/2017
EMA Sample No:	17032222-08a
Date Received:	3/22/2017
Sample Matrix:	Soil

Client Sample ID: S-8 (F)

FDA Import GC/MS/MS Sp - Z
FDA 302
4/4/2017

Date Completed:	4/5/2017	
Surrogate:		
Surrogate Level:		

Surrogate:
Surrogate Level:
Recovery:

Analyte	Amount ppm	RL ppm
Spirodiclofen	ND	0.030
Spiromesifen	ND	0.030
Spiroxamine I	ND	0.010
Spiroxamine II	ND	0.010
Sulfotep	ND	0.010
Sulprofos	ND	0.030
Tebuconazole	ND	0.010
Tebufenpyrad	ND	0.010
Tebupirimfos	ND	0.010
Tebutam	ND	0.010
Tebuthiuron	ND	0.010
Tecnazene (TCNB)	ND	0.010
Tefluthrin, cis-	ND	0.010
Terbacil	ND	0.010
Terbufos	ND	0.010
Terbumeton	ND	0.030
Terbuthylazine	ND	0.030
Tetrachloraniline, 2,3,5,6-	ND	0.010
Tetrachlorvinphos, e-isomer	ND	0.010
Tetraconazole	ND	0.010
Tetradifon	ND	0.010
Tetrahydrophthalimide, cis-1,2,3,6-	ND	0.010
Tetrahydrophthalimide, cis-Delta 4-	ND	0.030
Tetramethrin I	ND	0.010
Tetramethrin II	ND	0.010
Thiabendazole	ND	0.030
Thiamethoxam	ND	0.010
Thionazin	ND	0.030
Tolclofos-methyl	ND	0.010
Tolylfluanid	ND	0.010
Triadimefon	ND	0.010
Triadimenol	ND	0.010
Triazophos	ND	0.010
Tricyclazole	ND	0.030
Trifloxystrobin	ND	0.010
Triflunizole	ND	0.010
Trifluralin	ND	0.010
Trimethacarb, 2,3,5-	ND	0.010
Trimethacarb, 3,4,5-	ND	0.010
Trimidal (Nuarimol)	ND	0.010
Triticonazole	ND	0.010
Vernolate	ND	0.030
Vinclozolin	ND	0.010

Comments:

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_ Reviewed by: _

Joseph a Polow Don Peterson, Laboratory Director

	Analytica April 26, 2017	Report Revised	Analyte	Amount ppm	RL ppm
			3-Hydroxycarbofuran	ND	0.010
Client:	Jay Billings		Acephate	ND	0.010
	Northeast Geo	science	. Acetamiprid	ND	0.010
	97 Walnut Stre	eet	Acetochlor	ND	0.010
	Clinton, MA	01510	Acibenzolar-S-methyl	ND	0.010
Phone:	(978) 365-904	15	Alanycarb	ND	0.010
Fax:	(978) 365-937		Aldicarb-sulfone	ND	0.010
	- Contractor Contractor		Aldicarb-sulfoxide	ND	0.010
Email:	jbillings@ngeo.r	iet	Ametryn	ND	0.010
			Amicarbazone	ND	0.010
			Aminocarb	ND	0.010
			Aspon	ND	0.010
			Atrazine	ND	0.010
	Project No:		Avermectin Ba	ND	0.010
	rioject No.		Azinphos-methyl	ND	0.010
	DO No.		Azoxystrobin	ND	0.010
	PO No:		Benalaxyl	ND	0.010
			Bendiocarb	ND	0.010
CI:	CI- ID	C 0 (F)	Benfuracarb	ND	0.010
CIIE	ent Sample ID:	S-8 (F)	Bensulide	ND	0.010
			Benzoximate	ND	0.010
			Bifenazate	ND	0.010
			Bitertanol	ND	0.010
	Sample Date:	3/21/2017	Boscalid	ND	0.010
			Bromuconazole (isomer)	ND	0.010
EM	AA Sample No:	17032222-08a	Bupirimate	ND	0.010
	Date Received:	3/22/2017	Buprofezin	ND	0.010
-	Jate Neceiveu.	GZZZOTI	Butafenacil	ND	0.010
;	Sample Matrix:	Soil	Butocarboxim	ND ND	0.010
			Carbaryl Carbendazim	ND	0.010
			Carbetamide	ND	0.010
Ana	lytical Method:	FDA Import LC/MS/MS A-C	Carbofuran	ND	0.010
_		EDA 200	Carbosulfan	ND	0.010
Extra	action Method:	FDA 302	Carbosine	ND	0.010
D	ate Extracted:	4/4/2017	Carfentrazone-ethyl	ND	0.010
D	ate Extracted.	44/2017	Chlorantraniliprole	ND	0.010
Da	te Completed:	4/5/2017	Chlordimeform	ND	0.010
-	to completed.	302017	Chlorfenvinphos	ND	0.010
	Surrogate:		Chlorfluazuron	ND	0.010
	ourroguto.		Chloroxuron	ND	0.010
St	urrogate Level:		Chlorpyrifos	ND	0.010
			Chlorpyrifos-methyl	ND	0.010
	Recovery:		Chlortoluron	ND	0.010
			Clethodim	ND	0.010
			Clofentezine	ND	0.010
Comm	ents:		Clothianidin	ND	0.010
			Coumaphos	ND	0.010
			Cumyluron	ND	0.010
			Cyanazine	ND	0.010
			Cyazofamid	ND	0.010
			Cycluron	ND	0.010
			Cyflufenamid	ND	0.010
			Cyhexatin	ND	0.010
			Cymoxanil	ND	0.010
			Cyproconazole (isomer)	ND	0.010
			Cyprodinil	ND	0.010
norted on	another Screen		Cyromazine	ND	0.010
Porton OII	anomer Screen				

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.
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	Analytica April 26, 2017	l Report	Revised	Analyte	Amount ppm	RL ppm
				Daimuron	ND	0.010
Client:	Jay Billings			Diafenthiuron	ND	0.010
	Northeast Geo	ecionco		Diazinon	ND	0.010
	97 Walnut Stre			Dichlorvos	ND	0.010
	7.1			Diclobutrazol	ND	0.010
	Clinton, MA	01510		Dicrotophos	ND	0.010
Phone:	(978) 365-904	15		Diethofencarb	ND	0.010
Fax:	(978) 365-937	78		Difenoconazole	ND	0.010
Email:	jbillings@ngeo.r	net		Diflubenzuron	ND	0.010
	, , ,			Dimethenamide	ND	0.010
				Dimethoate	ND	0.010
					ND	0.010
				Dimethomorph	ND	0.010
				Dimoxystrobin	ND ND	0.010
	Project No:			Diniconazole		
	i roject ivo.			Dioxacarb	ND	0.010
	20.11			Diuron	ND	0.010
	PO No:			DMST	ND	0.010
				DNOC	ND	0.010
		2 - 22		Dodine	ND	0.010
Clie	ent Sample ID:	S-8 (F)		Doramectin	ND	0.010
				Emamectin Ba	ND	0.010
				Epoxiconazole	ND	0.010
				Eprinomectin	ND	0.010
				Esprocarb	ND	0.010
	Sample Date:	3/21/2017		Ethidimuron	ND	0.010
EM	A Sample No:	17032222-08a		Ethiofencarb	ND	0.010
LIV	in Sample No.	11002222 000		Ethiofencarb-sulfoxide	ND	0.010
0	Date Received:	3/22/2017		Ethion	ND	0.010
		0-11		Ethiprole	ND	0.010
	Sample Matrix:	Soil		Ethirimol	ND	0.010
				Ethofumesate	ND	0.010
		EDA Immedia	MICAIC D.F.	Ethoprop	ND	0.010
Ana	lytical Method:	FDA Import LC	/MIS/MIS D-F	Etobenzanid	ND	0.010
= -		FDA 302		Etoxazole	ND	0.010
Extra	action Method:	FDA 302		Famoxadone	ND	0.010
D	ate Extracted:	4/4/2017		Fenamidone	ND	0.010
Di	ate extracted.	4/4/2017		Fenarimol	ND	0.010
Des	to Completed	4/5/2017		Fenazaquin	ND	0.010
Da	te Completed:	4/3/2017		Fenbuconazole	ND	0.010
				Fenbutatin Oxide	ND	0.010
	Surrogate:			Fenhexamid	ND	0.010
C.	anda I aval.			Fenobucarb	ND	0.010
51	ırrogate Level:			Fenoxycarb	ND	0.010
	Dogger			Fenpropimorph	ND	0.010
	Recovery:				ND	0.010
				Fenpyroximate Fenuron	ND	0.010
						0.010
Comm	ents:			Flonicamid	ND ND	0.010
				Fluazifop-butyl	ND ND	0.010
				Flubendiamide Fludioxinil	ND	0.010
						0.010
				Flufenacet	ND ND	0.010
				Flufenoxuron		
				Fluometuron	ND	0.010
				Fluopicolide	ND	0.010
				Fluoxastrobin	ND	0.010
				Fluquinconazole	ND	0.010
				Flusilazole	ND	0.010
				Flutolanil	ND	0.010
R = Reported on	another Screen	ing Limit (DL)		Flutriafol	ND	0.010
Tolerance data ta	cted at the Report aken from 40 CFR	§ 180. Environment	ntal Micro Analysis, Inc. makes	Fomesafen	ND	0.010
no claims as to the	ne accuracy of tole	rance numbers.		Forchlorfenuron	ND	0.010
Excess sample a	and extracts are sto	ored for a minimum	of 30 days from the date of	Formetanate	ND	0.010
analytical report.	Special storage a ily to items tested.	rrangements possi	ole.	Fuberidazole	ND	0.010
Samples are ana	livzed as received.			Furalaxyl	ND	0.010
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Analytical Report Revised

RL

Amount

,	Analytica	ii neport	Reviseu	Anabas	Amount	RL
Α	pril 26, 2017			Analyte	ppm	ppm
				Halofenozide	ND	0.010
Client:	Jay Billings			Hexaflumuron	ND	0.010
	Northeast Geo	science		Hexazinone	ND	0.010
	97 Walnut Stre	eet		Hexythiazox	ND	0.010
	Clinton, MA	01510		Hydramethylnon	ND	0.010
Phone:	(978) 365-904	15		Imazalil	ND	0.010
Fax:	(978) 365-937			Imazapyr	ND	0.010
Email:	jbillings@ngeo.r			Imazethapyr	ND	0.010
Liliali.	Julilingsengeo.i	iet		Imibenconazole	ND	0.010
				Imidacloprid	ND	0.010
				Indoxacarb	ND	0.010
				Ipconazole	ND	0.010
				Iprovalicarb	ND	0.010
	Project No:			Isocarbamid	ND	0.010
	r roject ric.			Isofenphos	ND	0.010
	PO No:			Isoprocarb	ND	0.010
	PU NO:			Isoprothiolane	ND	0.010
				Isoproturon	ND	0.010
Clia	nt Comple ID:	S-8 (F)		Ivermectin	ND	0.010
Cile	ent Sample ID:	3-0 (F)		Kresoxim-methyl	ND	0.010
				Lactofen	ND	0.010
				Linuron	ND	0.010
				Malathion	ND ND	0.010
	Sample Date:	3/21/2017		Mandipropamid	ND ND	0.010
	•1. 100 11. 01.00	47000000 00		Mefenacet Mepanipyrim	ND ND	0.010
EM	IA Sample No:	17032222-08a		Mepronil	ND ND	0.010
D	ate Received:	3/22/2017		Metaflumizone	ND	0.010
_				Metalaxyl	ND	0.010
5	Sample Matrix:	Soil		Metconazole	ND	0.010
				Methamidophos	ND	0.010
		FD41		Methfuroxam	ND	0.010
Anal	ytical Method:	FDA Import LC	:/MS/MS H-O	Methidathion	ND	0.010
		FDA 302		Methiocarb	ND	0.010
Extra	action Method:	FDA 302		Methomyl	ND	0.010
Da	ate Extracted:	4/4/2017		Methoprotryne	ND	0.010
De	ALO EXCIDENCE.			Methoxyfenozide	ND	0.010
Dat	te Completed:	4/5/2017		Metobromuron	ND	0.010
201				Metolachlor	ND	0.010

Metoxuron

Metribuzin

Mevinphos

Molinate

Mexacarbate

Monolinuron

Myclobutanil

Napropamide

Moxidectin

Neburon

Nitenpyram

Novaluron

Omethoate

Oxamyl Oxadixyl

Monocrotophos

Metrafenone

Metsulfuron-methyl

R = Reported on another Screen
ND = None Detected at the Reporting Limit (RL)
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Surrogate:

Recovery:

Surrogate Level:

Comments:

Page: 128 of 136

Don Peterson, Laboratory Director

ND

0.010

0.010

0.010

0.010

0.010

0.010

0.010

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0.010

0.010

Ana April 20		al Report	Revised	Analyte	Amount ppm	RL ppm
				Pencycuron	ND	0.010
Client: Jav	Billings			Pendimethalin	ND	0.010
	theast Ge	nscience		Phorate	ND	0.010
	Valnut Str			Phosmet	ND	0.010
				Phoxim	ND	0.010
	ton, MA			Picoxystrobin	ND	0.010
Phone: (978	3) 365-904	4 5		Piperonyl butoxide	ND	0.010
Fax: (978	3) 365-937	78		Pirimicarb	ND	0.010
Email: jbillir	ngs@ngeo.i	net		Pirimiphos-methyl	ND	0.010
_				Prochloraz	ND	0.010
				Promecarb	ND	0.010
				Prometon	ND	0.010
				Prometryn	ND	0.010
				Propachlor	ND	0.010
Pro	ject No:			Propamocarb	ND	0.010
				Propargite	ND	0.010
	PO No:				ND	0.010
	FO NO.			Propazine	ND	0.010
				Propham	ND	0.010
Client Co	mple ID:	S-8 (E)		Propiconazole		0.010
Client Sa	imple ID:	S-8 (F)		Propoxur	ND	
				Propyzamide	ND	0.010
				Pymetrozin	ND	0.010
				Pyracarbolid	ND	0.010
Samr	ole Date:	3/21/2017		Pyraclostrobin	ND	0.010
Samp	de Date.			Pyridaben	ND	0.010
EMA Sai	mple No:	17032222-08a		Pyridaphenthion	ND	0.010
D-4- D		3/22/2017		Pyrimethanil	ND	0.010
Date	Received:	3/2/2017		Pyriproxyfen	ND	0.010
Sampl	le Matrix:	Soil		Quinoxyfen	ND	0.010
				Sebuthylazine	ND	0.010
				Secbumeton	ND	0.010
Analytical	Method:	FDA Import LC	/MS/MS P-Trid	Sethoxydim	ND	0.010
,a.,				Siduron	ND	0.010
Extraction	Method:	FDA 302		Simazine	ND ND	0.010
		4/4/00/17		Simetryn		0.010 0.010
Date E	ktracted:	4/4/2017		Spinetoram-J +L	ND ND	0.010
				Spinosad		0.010
Date Co	mpleted:	4/5/2017		Spirodiclofen	ND ND	0.010
_				Spiromecifen	ND	0.010
Si	urrogate:			Spirotetramat	ND	0.010
C	An I awal.			Spiroxamine Sulfentrazone	ND	0.010
Surroga	ite Level:			Tebuconazole	ND	0.010
-				Tebufenozide	ND	0.010
н	lecovery:				ND	0.010
				Tebufenpyrad Tebuthiuron	ND	0.010
_					ND	0.010
Comments:				Temephos Tenralovydim	ND	0.010
				Tepraloxydim Terbumeton	ND	0.010
				Terbutryn	ND ND	0.010 0.010
				Tetraconazole Thiabendazole	ND	0.010
					ND	0.010
				Thiacloprid Thiamethoxam		
					ND	0.010
				Thidiazuron	ND	0.010
				Thiotencarb	ND	0.010
				Thiorianox	ND	0.010
D. Daniel	or Corre			Thiophanate-methyl (Carbendazim)	ND	0.010
R = Reported on anothe ND = None Detected at		ing Limit (RL)		Triadimenal	ND	0.010
Tolerance data taken from	om 40 CFR	§ 180. Environmen	ital Micro Analysis, Inc. makes	Triadimenol	ND	0.010
no claims as to the accu	uracy of tole	rance numbers.		Triazophos	ND	0.010
analytical report. Speci	al storage a	rrangements nossih	of 30 days from the date of	Tricyclazole	ND ND	0.010 0.010
analytical report. Speci Results relate only to ite Samples are analyzed a Reports should not be r Environmental Micro Ar	as received. eproduced, nalysis, Inc.	except in full, withou		Tridemorph	ND	0.010
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Date: __04/13/17 _____ Reviewed by: __

Joseph a Polories Don Peterson, Laboratory Director

ELAP Certificate #2819

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

RL

ppm

Amount

Analytical Report Revised April 26, 2017

Client: Jay Billings **Northeast Geoscience** 97 Walnut Street Clinton, MA 01510 (978) 365-9045 Phone:

(978) 365-9378

jbillings@ngeo.net

Fax:

Email:

ppm Trifloxystrobin ND 0.010 0.010 Triflumizole ND Triflumuron ND 0.010 Triflusulfuron-methyl ND 0.010 Triphenyl Phosphate ND 0.010 Triticonazole ND 0.010 Uniconazole ND 0.010 0.010 ND Vamidothion Zoxamide ND 0.010

Analyte

Project No:

PO No:

Client Sample ID: S-8 (F)

Sample Date: 3/21/2017 EMA Sample No: 17032222-08a Date Received: 3/22/2017 Sample Matrix: Soil

Analytical Method: FDA Import LC/MS/MS Trif-Z

Extraction Method: FDA 302 Date Extracted: 4/4/2017

Date Completed: 4/5/2017

Surrogate:

Surrogate Level:

Recovery:

Comments:

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ND = None Detected at the Reporting Limit (RL)
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RL

Amount

Analytical Report Revised

Analyte April 26, 2017 ppm ppm Ferbam 0.030 Client: Jay Billings Maneb (Dithane M-22) ND 0.030 Mancozeb ND 0.030 Northeast Geoscience ND 0.030 97 Walnut Street Metiram ND 0.030 Clinton, MA 01510 Nabam Thiram ND 0.030 (978) 365-9045 Phone: Zineb ND 0.030 (978) 365-9378 Fax: Ziram 0.030 jbillings@ngeo.net Email:

Project No:

PO No:

Client Sample ID: S-8 (F)

Sample Date: 3/21/2017

EMA Sample No: 17032222-08a

Date Received: 3/22/2017

Sample Matrix: Soil

Analytical Method: EBDC Screen

Extraction Method: CDFA

Date Extracted: 3/31/2017

Date Completed: 3/31/2017

Surrogate:

Surrogate Level:

Recovery:

Comments:

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ND = None Detected at the Reporting Limit (RL)
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Date: 04/13/17

Reviewed by: _

Sould a Peters

Analytical Report Revised

	Analytical Report Revised April 26, 2017	Analyte	Amount ppm	RL ppm
		2, 4 - D	ND	0.250
Client:	Jay Billings	2, 4 -DB	ND	0.250
	Northeast Geoscience	2, 4, 5 - T	ND	0.130
	97 Walnut Street	2, 4, 5 -TP	ND	0.130
	Clinton MA 01510	Dicamba	ND	0.130
DI	(978) 365-9045	Dichloroprop	ND	0.130
Phone:		Bentazon	ND	0.250
Fax:	(978) 365-9378	MCPA	ND	0.250
Email:	jbillings@ngeo.net	MCPP	ND	0.250
		Triclopyr	ND	0.250

Project No:

PO No:

Client Sample ID: S-8 (F)

Sample Date: 3/21/2017 EMA Sample No: 17032222-08a Date Received: 3/22/2017 Sample Matrix: Soil

Analytical Method: EPA 8151A (s) Extraction Method: EPA 8151A Date Extracted: 4/4/2017

Date Completed: 4/10/2017

Surrogate: DCAA

Surrogate Level: 0.2 mg/Kg

Recovery: 55.7

Comments:

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	Analytica pril 26, 2017	I Report Revised	Analyte	Amount ppm	RL ppm
			a, b, d-BHC	ND	0.010
Client:	Jay Billings		Alachlor	ND	0.020
	Northeast Geo	oscience	Aldrin	ND	0.010
	97 Walnut Stre	eet	Benfluralin	ND	0.020
	Clinton, MA	01510	Bifenox	ND	0.050
Phone:	(978) 365-904	15	Boscalid	ND	0.020
Fax:	(978) 365-937		Bromacil	ND	0.040
Email:	jbillings@ngeo.r		Captafol	ND	0.040
Liliali.	Julilingsengeo.i	iet	Captan	ND	0.020
			Chlordane (sum of Isomers)	ND	0.020
			Chlorfenapyr	ND ND	0.040 0.040
			Chlorobenzilate	ND	0.040
			Chlorothalonil	ND	0.100
	Project No:		Cyanazine Dacthal	ND	0.020
			DDD	ND	0.020
	PO No:		DDE	ND	0.020
	ro No.		DDT	ND	0.020
			Dichlobenil	ND	0.020
Clie	nt Sample ID:	S-8 (F)	Dichlone	ND	0.050
Cilc	nt Sample ib.	00(.)	Dicloran	ND	0.020
			Dicofol	ND	0.050
			Dieldrin	ND	0.010
			Endosulfan alpha	ND	0.010
	Sample Date:	3/21/2017	Endosulfan beta	ND	0.010
EM.	A Comple No.	17032222-08a	Endosulfan sulfate	ND	0.010
EM	A Sample No:	17032222-008	Endosulfans (Total)	ND	0.010
D	ate Received:	3/22/2017	Endrin	ND	0.010
		C-II	Ethafluralin	ND	0.030
S	Sample Matrix:	Soil	Fenhexamid	ND	0.030
			Folpet	ND	0.050
		OC Screen	Heptachlor	ND	0.010
Anal	ytical Method:	oo ociccii	Heptachlor epoxide	ND	0.020
Evtra	ction Method:	CDFA	Hexachlorobenzene	ND	0.010
LALIA	ction metrica.		Indoxacarb	ND	0.030
Da	te Extracted:	4/4/2017	Iprodione	ND	0.050
			Lindane (gamma-BHC)	ND	0.010
Dat	e Completed:	4/5/2017	Linuron	ND	0.150
			Methoxychlor	ND	0.050
	Surrogate:	Dibutylchlordenate	Metribuzin	ND	0.020
_			Mirex	ND	0.020
Su	rrogate Level:	0.013 ppm	Myclobutanil	ND	0.050
	_	400	Oxadiazon	ND ND	0.050
	Recovery:	126	Oxyfluorfen	ND	0.040
			Pendimethalin	ND	0.030
			Pentachloronitrobenzene (PCNB) Pentachloroanaline (PCA)	ND	0.020
Comme	ents:		Perhane (FCA)	ND	0.100
			Polychlorinated Biphenyls	ND	0.250
			Procymidone	ND	0.020
			Profluralin	ND	0.020
			Pronamide	ND	0.050
			Propanil	ND	0.050
			Tetradifon	ND	0.020
			Toxaphene	ND	0.250
			Triadimefon	ND	0.020
			Trifloxystrobin	ND	0.030
			Triflumazole	ND	0.050
= Reported on a	another Screen		Trifluralin	ND	0.020
D = None Detec	ted at the Report	ing Limit (RL)	Vegadex (Diethyldithiocarbamic Acid)	ND	0.050
pierance data ta	ken from 40 CFR e accuracy of tole	§ 180. Environmental Micro Analysis, Inc. makes rance numbers.	Vinclozolin	ND	0.020
cess sample ar	nd extracts are sto	red for a minimum of 30 days from the date of	Dithiopyr	ND	0.020
alutical report	Special storage a	rrangemente noccible	A-1-0-14	NID	0.000

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Date: __04/13/17

Don Peterson, Laboratory Director

Norflurazon

ND

0.020

ELAP Certificate #2819

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

Analytical Report Revised

April 26, 2017

Client: Jay Billings

Northeast Geoscience 97 Walnut Street Clinton, MA 01510

(978) 365-9045 Phone: (978) 365-9378 Fax: jbillings@ngeo.net Email:

Analyte	Amount ppm	RL ppm
Bifenthrin	ND	0.020
Cyfluthrin	ND	0.040
Cypermethrin	ND	0.040
Deltamethrin	ND	0.020
Esfenvalerate	ND	0.030
Fenpropathrin	ND	0.010
Fluvalinate	ND	0.040
lambda Cyhalothrin	ND	0.010
Permethrin	ND	0.100
Tralomethrin	ND	0.020
Pyrethrins (Total)	ND	0.050

Project No:

PO No:

Client Sample ID: S-8 (F)

Sample Date: 3/21/2017

EMA Sample No: 17032222-08a

Date Received: 3/22/2017

Sample Matrix: Soil

Analytical Method: Pyrethroid Screen

Extraction Method: CDFA

Date Extracted: 4/4/2017

Date Completed: 4/5/2017

Surrogate: Dibutylchlordenate

Surrogate Level: 0.013 ppm

Recovery: 126

Comments:

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Amount DI

Analytical	Report	Revised
April 26, 2017		

,	April 26, 2017
Client:	Jay Billings Northeast Geoscience 97 Walnut Street Clinton, MA 01510
Phone: Fax: Email:	(978) 365-9045 (978) 365-9378 jbillings@ngeo.net

Project	NO

PO No:

Client Sample ID: S-8 (F)

Sample Date: 3/21/2017 EMA Sample No: 17032222-08b Date Received: 3/22/2017 Sample Matrix: Soil

Analytical Method: OP Screen

Extraction Method: CDFA Date Extracted: 4/4/2017

Date Completed: 4/5/2017

Surrogate: Triphenylphosphate

Surrogate Level: 0.067 ppm

Recovery: 116

Analyte	Amount ppm	RL ppm
Acephate	ND	0.020
Azinphos-methyl	ND	0.050
Bolstar	ND	0.030
Bensulide	ND	0.050
Carbofenothion	ND	0.020
Chlorfenvinphos	ND	0.030
Chlorpyrifos	ND	0.020
Chlorpyrifos-methyl	ND	0.030
Ciodrin	ND	0.050
Coumaphos	ND	0.050
DEF	ND	0.050
Demeton (Systox) O/S Analogues	ND	0.040
Diazinon	ND	0.030
Dibrom	ND	0.050
Dichlorvos	ND	0.030
Dicrotophos	ND	0.020
Dimethoate	ND	0.020
Disulfoton	ND	0.020
EPN	ND	0.020
Ethion	ND	0.030
Ethoprop	ND	0.050
enamiphos	ND	0.020
- enitrothion	ND	0.030
enthion	ND	0.020
Fonofos	ND	0.040
sofenphos	ND	0.030
Malathion	ND	0.020
Metasystox-R	ND	0.050
Methamidophos	ND	0.030
Methidathion	ND	0.030
Methyl Parathion	ND	0.030
Mevinphos	ND	0.050
O-methoate	ND	0.050
Parathion	ND	0.040
Phorate	ND	0.050
Phosalone	ND	0.050
Phosmet	ND	0.030
Phosphamidon	ND	0.020
Pyrimiphos-methyl	ND	0.050
Profenofos	ND	0.020
Propetamphos	ND	0.020
Ronnel	ND	0.030
Tetrachlorvinphos	ND	0.020
Thionazin	ND	0.020

Comments:

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Date: __04/13/17

Reviewed by:

Joseph a. Polary Don Peterson, Laboratory Director

Analytica	I Report	Revised
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April 26, 2017

Client: Jay Billings
Northeast Geoscience
97 Walnut Street
Clinton, MA 01510

Phone: (978) 365-9045
Fax: (978) 365-9378
Email: jbillings@ngeo.net

Project No:

PO No:

Client Sample ID: S-8 (F)

Sample Date: 3/21/2017
EMA Sample No: 17032222-08b
Date Received: 3/22/2017

Sample Matrix: Soil

Analytical Method: ON Screen

Extraction Method: CDFA

Date Extracted: 4/4/2017

Date Completed: 4/5/2017

Surrogate: Triphenylphosphate

Surrogate Level: 0.067 ppm

Recovery: 116

Comments:

Analyte	Amount ppm	RL ppm
Acetamipride	ND	0.050
Atrazine	ND	0.030
Azoxystrobin	ND	0.030
Benthiocarb	ND	0.050
Cyanazine	ND	0.050
Cyromazine	ND	0.050
Cyprodinil	ND	0.050
Dimethomorph	ND	0.050
Diphenyl Amine	ND	0.050
Fenamidone	ND	0.050
Fenbuconazole	ND	0.050
Fipronil	ND	0.050
Fludioxinil	ND	0.050
Hexazinone	ND	0.050
Imazalil	ND	0.050
Kresoxim Methyl	ND	0.050
Metalaxyl	ND	0.050
Metolachlor	ND	0.050
Metribuzin	ND	0.050
Molinate	ND	0.050
Myclobutanil	ND	0.050
Prometon	ND	0.050
Prometryne	ND	0.050
Propamocarb	ND	0.050
Propiconazole	ND	0.050
Pymetrozine	ND	0.050
Pyraclostrobin	ND	0.050
Pyriproxifen	ND	0.050
Sethoxydim	ND	0.050
Simazine	ND	0.050
Tebuconazole	ND	0.050
Terbacil	ND	0.050
Thiabendazole	ND	0.050
Desethyl Atrazine	ND	0.050

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ndf

Date: 04/13/17

Reviewed by:

Josell a Peterso