COUNTY OF LOS ANGELES

Department of
Agricultural Commissioner/
Weights and Measures

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Richard K. Iizuka
Chief Deputy

California State DHS Certificate #1430
County Sanitation ID #10240

Report Date: September 28, 2010

Attention: Carl Palmer
Seychelle Technology
32963 Calle Perfecto
San Juan Capistrano, CA 92675

Sample Description: Squeeze bottle

Date Received: August 26, 2010

Laboratory ID Number: E1002028001 and 002

FILTER PREPARATION PRIOR TO ANALYSES: The complete unit with plastic lid and charcoal filter was initially rinsed with 1 liter of deionized water.

ORGANIC TESTING

Description of Methods:

Volatile Organic (Method 524.2): 125 µL (0.125 mg/L) of volatile organic standard in methanol at 2000 µg/mL was added to 1 liter of deionized water. This spiked water (concentration =250 µg/L) was transferred to filter unit E1002028001 and E1002028002, filtered through the unit and analyzed. Procedures was performed on 9/13/10.

Chlorinated Pesticides (Method 505): 1.0 mL of Chlorinated Pesticides at 10 µg/mL was added to 1.0 liter of deionized water. This spiked water (concentration = 10 µg/l) was transferred to filter unit E1002028001 and E1002028002, filtered through the unit and analyzed. Procedure was performed on 9/15/10.

Nitrogen and Phosphorus containing Pesticides (Method 507): 1 mL of simazine, atrazine, molinate and thiobencarb at 50 µg/mL was added to 1.0 liter of deionized water. This spiked water (concentration = 50 µg/L) was transferred to filter unit E1002028001 and E1002028002, filtered through the unit and analyzed. Procedure was performed on

Chlorinated Acids (Method 515.3): 500 µL (0.5 ml) of Chlorinated Acids at 1 mg/mL was added to 1.0 liter of deionized water. This spiked water (concentration = 500 µg/L) was transferred to filter unit E1002028001 and E1002028002, filtered through the unit and analyzed. Procedure was performed on 9/13/10.

Carbamates (Method 531.1): 500 µL (0.5 mL) of Chlorinated Acids at 1 mg/mL was added to 1.0 liter of deionized water. This spiked water (concentration = 500 µg/L) was transferred to filter unit E1002028001 and E1002028002, filtered through the unit and analyzed. Procedure was performed on 9/10/10.

Glyphosate (Method 547): 1.0 mL of glyphosate standard at 1 mg/mL was added to 1.0 liter of deionized water. This spiked water (concentration = 1,000 µg/L) was transferred to filter unit E1002028001 and E1002028002, filtered through the unit and analyzed. Procedure was performed on 9/28/10.

E1002028001

Analyte	Method Used[1]	Pre-Filtered Concentration	Units	Post-Filtration Result	% Reduction	Reporting Limit	Date Analyzed
Bromodichloromethane	524.2	250	µg/l	<0.5	>99.80	0.5	9/13/10
Bromoform	524.2	250	µg/l	<0.5	>99.80	0.5	9/13/10
Chloroform	524.2	250	µg/l	<0.5	>99.80	0.5	9/13/10
Dibromochloromethane	524.2	250	µg/l	<0.5	>99.80	0.5	9/13/10
Benzene	524.2	250	µg/l	<0.5	>99.80	0.5	9/13/10
Carbon Tetrachloride	524.2	250	µg/l	<0.5	>99.80	0.5	9/13/10
1,2-Dichlorobenzene	524.2	250	µg/l	<0.5	>99.80	0.5	9/13/10
1,4-Dichlorobenzene	524.2	250	µg/l	<0.5	>99.80	0.5	9/13/10
1,1-Dichloroethane	524.2	250	µg/l	<0.5	>99.80	0.5	9/13/10
1,2-Dichloroethane	524.2	250	µg/l	<0.5	>99.80	0.5	9/13/10
1,1-Dichloroethylene	524.2	250	µg/l	<0.5	>99.80	0.5	9/13/10
cis-1,2-Dichloroethylene	524.2	250	µg/l	<0.5	>99.80	0.5	9/13/10
trans-1,2-Dichloroethylene	524.2	250	µg/l	<0.5	>99.80	0.5	9/13/10
Dichloromethane (methylene chloride)	524.2	250	µg/l	<0.5	>99.80	0.5	9/13/10
1,2-Dichloropropane	524.2	250	µg/l	<0.5	>99.80	0.5	9/13/10
Ethyl benzene	524.2	250	µg/l	<0.5	>99.80	0.5	9/13/10
1,3-Dichloropropene	524.2	250	µg/l	<0.5	>99.80	0.5	9/13/10
1,1-Dichloroethane	524.2	250	µg/l	<0.5	>99.80	0.5	9/13/10
Monochlorobenzene	524.2	250	µg/l	<0.5	>99.80	0.5	9/13/10
Styrene	524.2	250	µg/l	<0.5	>99.80	0.5	9/13/10
1,1,2,2-Tetrachloroethane	524.2	250	µg/l	<0.5	>99.80	0.5	9/13/10
Tetrachloroethylene	524.2	250	µg/l	<0.5	>99.80	0.5	9/13/10
Toluene	524.2	250	µg/l	<0.5	>99.80	0.5	9/13/10

Analyte	Method Used[1]	Pre-Filtered Concentration	Units	Post-Filtration Result	% Reduction	Reporting Limit	Date Analyzed
1,2,4-Trichlorobenzene	524.2	250	µg/l	<0.5	>99.80	0.5	9/13/10
1,1,1-Trichloroethane	524.2	250	µg/l	<0.5	>99.80	0.5	9/13/10
1,1,2-Trichloroethane	524.2	250	µg/l	<0.5	>99.80	0.5	9/13/10
Trichloroethylene	524.2	250	µg/l	<0.5	>99.80	0.5	9/13/10
Trichlorotrifluoroethane (Freon 113)	524.2	250	µg/l	<0.5	>99.80	0.5	9/13/10
Vinylchloride	524.2	250	µg/l	<0.5	>99.80	0.5	9/13/10
Total Xylenes	524.2	750	µg/l	<1.5	>99.80	1.5	9/13/10
MTBE	524.2	250	µg/l	<1	>99.60	1	9/13/10
Hexachlorocyclopentadiene	505	10	µg/l<	<1	>90.00	1	9/15/10
Lindane	505	10	µg/l	<0.2	>98.00	0.2	9/15/10
Heptachlor	505	10	µg/l	<0.01	>99.90	0.01	9/15/10
Heptachlor epoxide	505	10	µg/l	<0.01	>99.90	0.01	9/15/10
Endrin	505	10	µg/l	<0.1	>99.00	0.1	9/15/10
Methoxychlor	505	10	µg/l	<1	>90.00	1	9/15/10
Molinate	507	50	µg/l		100.00	2	
Atrazine	507	50	µg/l		100.00	1	
Simazine	507	50	µg/l		100.00	1	
Thiobencarb	507	50	µg/l		100.00	1	
Bentazon	515.3	500	µg/l	<2	>99.60	2	9/13/10
2,4-D	515.3	500	µg/l	<10	>98.00	10	9/13/10
Dinoseb	515.3	500	µg/l	<2	>99.60	2	9/13/10
Pentachlorophenol	515.3	500	µg/l	<0.2	>99.96	0.2	9/13/10
Silvex	515.3	500	µg/l	<1	>99.80	1	9/13/10
Oxamyl	531.1	500	µg/l	<20	>96.00	20	9/10/10
Carbofuran	531.1	500	µg/l	<5	>99.00	5	9/10/10
Glyphosate	547	1000	µg/l	<25	>97.50	25	9/28/10

E1002028002

Analyte	Method Used[2]	Pre-Filtered Concentration	Units	Post-Filtration Result	% Reduction	Reporting Limit	Date Analyzed
Bromodichloromethane	524.2	250	µg/l	0.903	99.64	0.5	9/13/10
Bromoform	524.2	250	µg/l	<0.5	>99.80	0.5	9/13/10
Chloroform	524.2	250	µg/l	1.22	99.51	0.5	9/13/10
Dibromochloromethane	524.2	250	µg/l	0.747	99.70	0.5	9/13/10
Benzene	524.2	250	µg/l	0.604	99.76	0.5	9/13/10
Carbon Tetrachloride	524.2	250	µg/l	1.33	99.47	0.5	9/13/10
1,2-Dichlorobenzene	524.2	250	µg/l	<0.5	>99.80	0.5	9/13/10
1,4-Dichlorobenzene	524.2	250	µg/l	<0.5	>99.80	0.5	9/13/10
1,1-Dichloroethane	524.2	250	µg/l	1.55	99.38	0.5	9/13/10
1,2-Dichloroethane	524.2	250	µg/l	0.798	99.68	0.5	9/13/10
1,1-Dichloroethylene	524.2	250	µg/l	<0.5	>99.80	0.5	9/13/10
cis-1,2-Dichloroethylene	524.2	250	µg/l	<0.5	>99.80	0.5	9/13/10
trans-1,2-Dichloroethylene	524.2	250	µg/l	<0.5	>99.80	0.5	9/13/10
Dichloromethane (methylene chloride)	524.2	250	µg/l	1.44	99.42	0.5	9/13/10
1,2-Dichloropropane	524.2	250	µg/l	1.15	99.54	0.5	9/13/10
Ethyl benzene	524.2	250	µg/l	<0.5	>99.80	0.5	9/13/10
1,3-Dichloropropene	524.2	250	µg/l	<0.5	>99.80	0.5	9/13/10
1,1-Dichloroethane	524.2	250	µg/l	<0.5	>99.80	0.5	9/13/10
Monochlorobenzene	524.2	250	µg/l	<0.5	>99.80	0.5	9/13/10
Styrene	524.2	250	µg/l	<0.5	>99.80	0.5	9/13/10
1,1,2,2-Tetrachloroethane	524.2	250	µg/l	<0.5	>99.80	0.5	9/13/10
Tetrachloroethylene	524.2	250	µg/l	<0.5	>99.80	0.5	9/13/10
Toluene	524.2	250	µg/l	<0.5	>99.80	0.5	9/13/10
1,2,4-Trichlorobenzene	524.2	250	µg/l	<0.5	>99.80	0.5	9/13/10
1,1,1-Trichloroethane	524.2	250	µg/l	1.69	99.32	0.5	9/13/10
1,1,2-Trichloroethane	524.2	250	µg/l	<0.5	>99.80	0.5	9/13/10
Trichloroethylene	524.2	250	µg/l	0.536	99.79	0.5	9/13/10
Trichlorotrifluoroethane (Freon 113)	524.2	250	µg/l	0.872	99.65	0.5	9/13/10
Vinylchloride	524.2	250	µg/l	<0.5	>99.80	0.5	9/13/10
Total Xylenes	524.2	750	µg/l	<0.5	>99.80	1.5	9/13/10
MTBE	524.2	250	µg/l	<1	>99.60	1	9/13/10

Analyte	Method Used[2]	Pre-Filtered Concentration	Units	Post-Filtration Result	% Reduction	Reporting Limit	Date Analyzed
Hexachlorocyclopentadiene	505	10	ug/l<	<1	>90.00	1	9/15/10
Lindane	505	10	ug/l	<0.2	>98.00	0.2	9/15/10
Heptachlor	505	10	ug/l	<0.01	>99.90	0.01	9/15/10
Heptachlor epoxide	505	10	ug/l	<0.01	>99.90	0.01	9/15/10
Endrin	505	10	ug/l	<0.1	>99.00	0.1	9/15/10
Methoxychlor	505	10	ug/l	<1	>90.00	1	9/15/10
Molinate	507	50	ug/l		100.00	2	
Atrazine	507	50	ug/l		100.00	1	
Simazine	507	50	ug/l		100.00	1	
Thiobencarb	507	50	ug/l		100.00	1	
Bentazon	515.3	500	ug/l	9.05	98.19	2	9/13/10
2,4-D	515.3	500	ug/l	<10	>98.00	10	9/13/10
Dinoseb	515.3	500	ug/l	<2	>99.60	2	9/13/10
Pentachlorophenol	515.3	500	ug/l	0.32	99.94	0.2	9/13/10
Silvex	515.3	500	ug/l	2.74	99.45	1	9/13/10
Oxamyl	531.1	500	ug/l	<20	>96.00	20	9/10/10
Carbofuran	531.1	500	ug/l	<5	>99.00	5	9/10/10
Glyphosate	547	1000	ug/l	<25	>97.50	25	9/20/10

Submitted By:

T C T C. L. 09/29/10

Thant Z. Win, Chief Date

1. Method number from EPA publication EPA-600/4-79-020, rev. 3/83.

2. Method number from EPA publication EPA-600/4-79-020, rev. 3/83.

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Chief Deputy

Report Date: September 28, 2010

Attention: Carl Palmer
Seychelle Technology
32963 Calle Perfecto
San Juan Capistrano, CA 92675

Sample Description: Squeeze bottle

Date Received: August 26, 2010

Laboratory ID Number: E1002028001 and 002

FILTER PREPARATION PRIOR TO ANALYSES: The complete filtering unit was initially rinsed and drained with 1 liter of deionized water.

INORGANIC TESTING

Description of Methods:

Nitrite: A 500 mL of 2 mg/L nitrite was transferred to filter unit E1002028001 and E1002028002, filtered through the filter and analyzed. Procedures was performed on 09/13/10.

MBAS Analyses: A 500-mL of 300 µg/L aliquot was passed through the filter and analyzed. Procedure was performed on 09/10/10.

Trace Metals: 500 mL of 200 µg/L each of chromium, copper, lead, nickel, cadmium, cobalt, arsenic, molybdenum, vanadium, antimony, selenium, thallium and 500 µg/L of barium were transferred to filter unit E1002028001 and E1002028002, filtered through the filter, and analyzed. Procedure was performed on 09/14/10.

Mercury: 1 liter of 25 µg/L mercury in water was transferred to E1002028001 and E1002028002, filter through the filter and analyzed on 09/14/10.

Turbidity: 500mL water with turbidity value of 4.50 NTU was passed through the filters and analyzed. Procedure performed on 09/09/10.

Chromium VI: 500 mL water with 200 µg/L chromium VI was filtered through filter unit E1002028, and the filtrate was analyzed on 09/15/10.

Total Residual Chlorine: 500mL aliquot of 0.80 mg/L chlorine was passed through the filters and analyzed on 08/27/10.

Seychelle Technology/Palmer
E1002028001

WO # E1002028	Analyte	Method Used[1]	Pre-Filtered Concentration	Units	Post-Filtration Result	% Reduction	Reporting Limit	Date Analyzed
001	Nitrite	300.0	2	mg/L	<0.1	>95	0.1	9/13/10
001	Arsenic	200.8	200	µg/L	32.3	83.85	2	9/14/10
001	MBAS	SM 5540 C	300	µg/L	<10	>96.67	10	9/10/10
001	Chromium	200.8	200	µg/L	<10	>95.00	10	9/14/10
001	Copper	200.8	200	µg/L	67.9	66.05	10	9/14/10
001	Nickel	200.8	200	µg/L	63.5	68.25	10	9/14/10
001	Cadmium	200.8	200	µg/L	60.5	69.75	1	9/14/10
001	Cobalt	200.8	200	µg/L	58.6	70.70	10	9/14/10
001	Lead	200.8	200	µg/L	20.3	89.85	5	9/14/10
001	Molybdenum	200.8	200	µg/L	<20	>90.00	20	9/14/10
001	Vanadium	200.8	200	µg/L	49.8	75.10	25	9/14/10
001	Antimony	200.8	200	µg/L	<5	>97.50	5	9/14/10
001	Selenium	200.8	200	µg/L	26.8	86.60	5	9/14/10
001	Thallium	200.8	200	µg/L	10.1	94.95	1	9/14/10
001	Barium	200.8	500	µg/L	247	50.60	100	9/14/10
001	Chromium VI	218.6, IC	200	µg/L	<0.25	>99.88	0.25	9/15/10
001	Mercury	245.1	25	µg/L	2.11	91.56	0.5	9/14/10
001	Total Chlorine	SM4500Cl	0.80	mg/L	<0.1	>87.50	0.1	8/27/10
001	Turbidity	SM 2130B	4.5	NTU	0.54	88.00	0.1	9/9/10

T.C.T.C.L. 09/29/10

Thant Z. Win, Chief Date

1. Method number from EPA publication EPA-600/4-79-020, rev. 3/83.

2. Method number from EPA publication EPA-600/4-79-020, rev. 3/83.