



Wednesday, September 20, 2023

James Bernardo Land Surveying
102A Spithead Rd
Waterford, CT 06385

Project ID: MARKU
SDG ID: GCO99812
Sample ID#s: CO99812 - CO99813

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

A handwritten signature in black ink that reads "Phyllis Shiller". The signature is written in a cursive style.

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Sample Id Cross Reference

September 20, 2023

SDG I.D.: GCO99812

Project ID: MARKU

Client Id	Lab Id	Matrix
P-1	CO99812	SOIL
P-2	CO99813	SOIL



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Analysis Report
 September 20, 2023

FOR: James Bernardo Land Surveying
 102A Spithead Rd
 Waterford, CT 06385

Sample Information

Matrix: SOIL
 Location Code: JAMESBERNARDO
 Rush Request: Standard
 P.O.#:

Custody Information

Collected by:
 Received by: SR1
 Analyzed by: see "By" below

Date Time

09/12/23 16:00
 09/14/23 15:21

Laboratory Data

SDG ID: GCO99812
 Phoenix ID: CO99812

Project ID: MARKU
 Client ID: P-1

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	66		%		09/14/23	CV	SW846-%Solid
Soil Extraction for Pesticide	Completed				09/18/23	H/A	SW3546

Pesticides

4,4' -DDD	ND	21	ug/Kg	2	09/19/23	AW	SW8081B
4,4' -DDE	ND	21	ug/Kg	2	09/19/23	AW	SW8081B
4,4' -DDT	ND	21	ug/Kg	2	09/19/23	AW	SW8081B
a-BHC	ND	21	ug/Kg	2	09/19/23	AW	SW8081B
Alachlor	ND	21	ug/Kg	2	09/19/23	AW	SW8081B
Aldrin	ND	10	ug/Kg	2	09/19/23	AW	SW8081B
b-BHC	ND	21	ug/Kg	2	09/19/23	AW	SW8081B
Chlordane	150	100	ug/Kg	2	09/19/23	AW	SW8081B
d-BHC	ND	21	ug/Kg	2	09/19/23	AW	SW8081B
Dieldrin	ND	10	ug/Kg	2	09/19/23	AW	SW8081B
Endosulfan I	ND	21	ug/Kg	2	09/19/23	AW	SW8081B
Endosulfan II	ND	21	ug/Kg	2	09/19/23	AW	SW8081B
Endosulfan sulfate	ND	21	ug/Kg	2	09/19/23	AW	SW8081B
Endrin	ND	21	ug/Kg	2	09/19/23	AW	SW8081B
Endrin aldehyde	ND	21	ug/Kg	2	09/19/23	AW	SW8081B
Endrin ketone	ND	21	ug/Kg	2	09/19/23	AW	SW8081B
g-BHC	ND	4.2	ug/Kg	2	09/19/23	AW	SW8081B
Heptachlor	ND	21	ug/Kg	2	09/19/23	AW	SW8081B
Heptachlor epoxide	ND	21	ug/Kg	2	09/19/23	AW	SW8081B
Methoxychlor	ND	100	ug/Kg	2	09/19/23	AW	SW8081B
Toxaphene	ND	420	ug/Kg	2	09/19/23	AW	SW8081B

QA/QC Surrogates

% DCBP	113		%	2	09/19/23	AW	30 - 150 %
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Project ID: MARKU
Client ID: P-1

Phoenix I.D.: CO99812

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% DCBP (Confirmation)	131		%	2	09/19/23	AW	30 - 150 %
% TCMX	73		%	2	09/19/23	AW	30 - 150 %
% TCMX (Confirmation)	82		%	2	09/19/23	AW	30 - 150 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director

September 20, 2023

Reviewed and Released by: Helen Geoghegan, Project Manager



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Analysis Report
 September 20, 2023

FOR: James Bernardo Land Surveying
 102A Spithead Rd
 Waterford, CT 06385

Sample Information

Matrix: SOIL
 Location Code: JAMESBERNARDO
 Rush Request: Standard
 P.O.#:

Custody Information

Collected by:
 Received by: SR1
 Analyzed by: see "By" below

Date Time

09/12/23 16:05
 09/14/23 15:21

Laboratory Data

SDG ID: GCO99812
 Phoenix ID: CO99813

Project ID: MARKU
 Client ID: P-2

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	60		%		09/14/23	CV	SW846-%Solid
Soil Extraction for Pesticide	Completed				09/18/23	H/A	SW3546

Pesticides

4,4' -DDD	ND	23	ug/Kg	2	09/19/23	AW	SW8081B
4,4' -DDE	ND	23	ug/Kg	2	09/19/23	AW	SW8081B
4,4' -DDT	ND	23	ug/Kg	2	09/19/23	AW	SW8081B
a-BHC	ND	23	ug/Kg	2	09/19/23	AW	SW8081B
Alachlor	ND	23	ug/Kg	2	09/19/23	AW	SW8081B
Aldrin	ND	11	ug/Kg	2	09/19/23	AW	SW8081B
b-BHC	ND	23	ug/Kg	2	09/19/23	AW	SW8081B
Chlordane	ND	110	ug/Kg	2	09/19/23	AW	SW8081B
d-BHC	ND	23	ug/Kg	2	09/19/23	AW	SW8081B
Dieldrin	ND	11	ug/Kg	2	09/19/23	AW	SW8081B
Endosulfan I	ND	23	ug/Kg	2	09/19/23	AW	SW8081B
Endosulfan II	ND	23	ug/Kg	2	09/19/23	AW	SW8081B
Endosulfan sulfate	ND	23	ug/Kg	2	09/19/23	AW	SW8081B
Endrin	ND	23	ug/Kg	2	09/19/23	AW	SW8081B
Endrin aldehyde	ND	23	ug/Kg	2	09/19/23	AW	SW8081B
Endrin ketone	ND	23	ug/Kg	2	09/19/23	AW	SW8081B
g-BHC	ND	4.5	ug/Kg	2	09/19/23	AW	SW8081B
Heptachlor	ND	23	ug/Kg	2	09/19/23	AW	SW8081B
Heptachlor epoxide	ND	23	ug/Kg	2	09/19/23	AW	SW8081B
Methoxychlor	ND	110	ug/Kg	2	09/19/23	AW	SW8081B
Toxaphene	ND	450	ug/Kg	2	09/19/23	AW	SW8081B

QA/QC Surrogates

% DCBP	125		%	2	09/19/23	AW	30 - 150 %
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Project ID: MARKU
Client ID: P-2

Phoenix I.D.: CO99813

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% DCBP (Confirmation)	126		%	2	09/19/23	AW	30 - 150 %
% TCMX	88		%	2	09/19/23	AW	30 - 150 %
% TCMX (Confirmation)	86		%	2	09/19/23	AW	30 - 150 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

September 20, 2023

Reviewed and Released by: Helen Geoghegan, Project Manager



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 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102

QA/QC Report

September 20, 2023


QA/QC Data

SDG I.D.: GCO99812

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 697582 (ug/Kg), QC Sample No: CO99394 2X (CO99812, CO99813)										
<u>Pesticides - Soil</u>										
4,4' -DDD	ND	1.7	119	107	10.6	115	129	11.5	40 - 140	30
4,4' -DDE	ND	1.7	114	103	10.1	110	109	0.9	40 - 140	30
4,4' -DDT	ND	1.7	109	98	10.6	101	106	4.8	40 - 140	30
a-BHC	ND	1.0	104	95	9.0	95	95	0.0	40 - 140	30
Alachlor	ND	3.3	NA	NA	NC	NA	NA	NC	40 - 140	30
Aldrin	ND	1.0	112	101	10.3	105	107	1.9	40 - 140	30
b-BHC	ND	1.0	102	94	8.2	105	100	4.9	40 - 140	30
Chlordane	ND	3.3	113	98	14.2	109	109	0.0	40 - 140	30
d-BHC	ND	3.3	108	99	8.7	108	101	6.7	40 - 140	30
Dieldrin	ND	1.0	114	103	10.1	111	97	13.5	40 - 140	30
Endosulfan I	ND	3.3	115	102	12.0	110	107	2.8	40 - 140	30
Endosulfan II	ND	3.3	118	108	8.8	119	129	8.1	40 - 140	30
Endosulfan sulfate	ND	3.3	112	102	9.3	110	123	11.2	40 - 140	30
Endrin	ND	3.3	110	100	9.5	105	103	1.9	40 - 140	30
Endrin aldehyde	ND	3.3	102	94	8.2	94	95	1.1	40 - 140	30
Endrin ketone	ND	3.3	115	102	12.0	99	105	5.9	40 - 140	30
g-BHC	ND	1.0	113	108	4.5	114	108	5.4	40 - 140	30
Heptachlor	ND	3.3	98	88	10.8	94	93	1.1	40 - 140	30
Heptachlor epoxide	ND	3.3	104	95	9.0	102	102	0.0	40 - 140	30
Methoxychlor	ND	3.3	103	106	2.9	94	105	11.1	40 - 140	30
Toxaphene	ND	130	NA	NA	NC	NA	NA	NC	40 - 140	30
% DCBP	98	%	108	98	9.7	106	104	1.9	30 - 150	30
% DCBP (Confirmation)	94	%	107	102	4.8	107	105	1.9	30 - 150	30
% TCMX	90	%	97	87	10.9	91	91	0.0	30 - 150	30
% TCMX (Confirmation)	88	%	94	94	0.0	93	91	2.2	30 - 150	30

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

- RPD - Relative Percent Difference
- LCS - Laboratory Control Sample
- LCSD - Laboratory Control Sample Duplicate
- MS - Matrix Spike
- MS Dup - Matrix Spike Duplicate
- NC - No Criteria
- Intf - Interference


 Phyllis Shiller, Laboratory Director
 September 20, 2023

Wednesday, September 20, 2023

Criteria: None

State: CT

Sample Criteria Exceedances Report

GCO99812 - JAMESBERNARDO

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
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*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedances. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedance information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



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Analysis Comments

September 20, 2023

SDG I.D.: GCO99812

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report: None.

