



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

# Analysis Report

August 13, 2019

FOR: Attn: Mark Jepsen  
 CT Dept. of Energy and Env. Protection  
 79 Elm Street  
 Hartford, CT 06106-5127

Sample Information

Matrix: SOLID  
 Location Code: CT-DEP  
 Rush Request: 72 Hour  
 P.O.#:

Custody Information

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

Date      Time

08/07/19      10:02  
 08/07/19      15:52

## Laboratory Data

SDG ID: GCD80241  
 Phoenix ID: CD80241

Project ID: GOULD MANOR PARK FAIRFIELD  
 Client ID: GMP 10

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TCLP Silver	< 0.10	0.10	mg/L	1	08/10/19	TH	SW6010D
TCLP Arsenic	< 0.10	0.10	mg/L	1	08/10/19	TH	SW6010D
TCLP Barium	0.85	0.10	mg/L	1	08/10/19	TH	SW6010D
TCLP Cadmium	< 0.050	0.050	mg/L	1	08/10/19	TH	SW6010D
TCLP Chromium	< 0.10	0.10	mg/L	1	08/10/19	TH	SW6010D
TCLP Mercury	< 0.0002	0.0002	mg/L	1	08/09/19	RS	SW7470A
TCLP Lead	0.48	0.10	mg/L	1	08/10/19	TH	SW6010D
TCLP Selenium	< 0.10	0.10	mg/L	1	08/10/19	TH	SW6010D
TCLP Metals Digestion	Completed				08/09/19	LS/I	SW3010A
Percent Solid	94		%		08/07/19	VT	SW846-%Solid
Soil Extraction for PCB	Completed				08/08/19	Q/V	SW3545A
Extraction of CT ETPH	Completed				08/07/19	G/VL	SW3545A
TCLP Digestion Mercury	Completed				08/09/19	LS/I	SW7470A
TCLP Herbicides Extraction	Completed				08/09/19	JS//AK	SW8150 MOD
TCLP Extraction for Metals	Completed				08/08/19	I	SW1311
TCLP Extraction for Organics	Completed				08/08/19	I	SW1311
TCLP Pesticides Extraction	Completed				08/09/19		SW3510C
TCLP Semi-Volatile Extraction	Completed				08/09/19	N	SW3510C
TCLP Extraction Volatiles	Completed				08/08/19	SB	SW1311
Asbestos	ND	0	%		08/09/19	*	NYSDOH 198.1 PLM C

**TPH by GC (Extractable Products)**

Ext. Petroleum H.C. (C9-C36)	ND	260	mg/Kg	5	08/08/19	JRB	CTETPH 8015D
Identification	ND		mg/Kg	5	08/08/19	JRB	CTETPH 8015D

**QA/QC Surrogates**

% n-Pentacosane	86		%	5	08/08/19	JRB	50 - 150 %
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Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	350	ug/Kg	10	08/12/19	SC	SW8082A
PCB-1221	ND	350	ug/Kg	10	08/12/19	SC	SW8082A
PCB-1232	ND	350	ug/Kg	10	08/12/19	SC	SW8082A
PCB-1242	ND	350	ug/Kg	10	08/12/19	SC	SW8082A
PCB-1248	ND	350	ug/Kg	10	08/12/19	SC	SW8082A
PCB-1254	ND	350	ug/Kg	10	08/12/19	SC	SW8082A
PCB-1260	ND	350	ug/Kg	10	08/12/19	SC	SW8082A
PCB-1262	ND	350	ug/Kg	10	08/12/19	SC	SW8082A
PCB-1268	ND	350	ug/Kg	10	08/12/19	SC	SW8082A
<b><u>QA/QC Surrogates</u></b>							
% DCBP	54		%	10	08/12/19	SC	30 - 150 %
% DCBP (Confirmation)	61		%	10	08/12/19	SC	30 - 150 %
% TCMX	59		%	10	08/12/19	SC	30 - 150 %
% TCMX (Confirmation)	56		%	10	08/12/19	SC	30 - 150 %
<b><u>TCLP Herbicides</u></b>							
2,4,5-TP (Silvex)	ND	50	ug/L	10	08/12/19	JRB	SW8151A
2,4-D	ND	100	ug/L	10	08/12/19	JRB	SW8151A
<b><u>QA/QC Surrogates</u></b>							
% DCAA	33		%	10	08/12/19	JRB	30 - 150 %
% DCAA (Confirmation)	31		%	10	08/12/19	JRB	30 - 150 %
<b><u>TCLP Pesticides</u></b>							
4,4' -DDD	ND	1.0	ug/L	10	08/12/19	AW	SW8081B
4,4' -DDE	ND	1.0	ug/L	10	08/12/19	AW	SW8081B
4,4' -DDT	ND	1.0	ug/L	10	08/12/19	AW	SW8081B
a-BHC	ND	0.50	ug/L	10	08/12/19	AW	SW8081B
Alachlor	ND	0.50	ug/L	10	08/12/19	AW	SW8081B
Aldrin	ND	0.50	ug/L	10	08/12/19	AW	SW8081B
b-BHC	ND	0.50	ug/L	10	08/12/19	AW	SW8081B
Chlordane	ND	5.0	ug/L	10	08/12/19	AW	SW8081B
d-BHC	ND	0.50	ug/L	10	08/12/19	AW	SW8081B
Dieldrin	ND	1.0	ug/L	10	08/12/19	AW	SW8081B
Endosulfan I	ND	0.50	ug/L	10	08/12/19	AW	SW8081B
Endosulfan II	ND	1.0	ug/L	10	08/12/19	AW	SW8081B
Endosulfan Sulfate	ND	1.0	ug/L	10	08/12/19	AW	SW8081B
Endrin	ND	1.0	ug/L	10	08/12/19	AW	SW8081B
Endrin Aldehyde	ND	1.0	ug/L	10	08/12/19	AW	SW8081B
g-BHC (Lindane)	ND	0.50	ug/L	10	08/12/19	AW	SW8081B
Heptachlor	ND	0.50	ug/L	10	08/12/19	AW	SW8081B
Heptachlor epoxide	ND	0.50	ug/L	10	08/12/19	AW	SW8081B
Methoxychlor	ND	0.50	ug/L	10	08/12/19	AW	SW8081B
Toxaphene	ND	20	ug/L	10	08/12/19	AW	SW8081B
<b><u>QA/QC Surrogates</u></b>							
%DCBP (Surrogate Rec)	84		%	10	08/12/19	AW	30 - 150 %
%DCBP (Surrogate Rec) (Confirmation)	81		%	10	08/12/19	AW	30 - 150 %
%TCMX (Surrogate Rec)	68		%	10	08/12/19	AW	30 - 150 %
%TCMX (Surrogate Rec) (Confirmation)	60		%	10	08/12/19	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Herbicide Chemical Charge	Completed						PEL
<b><u>TCLP Volatiles</u></b>							
1,1-Dichloroethene	ND	50	ug/L	10	08/12/19	MH	SW8260C
1,2-Dichloroethane	ND	50	ug/L	10	08/12/19	MH	SW8260C
Benzene	ND	50	ug/L	10	08/12/19	MH	SW8260C
Carbon tetrachloride	ND	50	ug/L	10	08/12/19	MH	SW8260C
Chlorobenzene	ND	50	ug/L	10	08/12/19	MH	SW8260C
Chloroform	ND	50	ug/L	10	08/12/19	MH	SW8260C
Methyl ethyl ketone	ND	50	ug/L	10	08/12/19	MH	SW8260C
Tetrachloroethene	ND	50	ug/L	10	08/12/19	MH	SW8260C
Trichloroethene	ND	50	ug/L	10	08/12/19	MH	SW8260C
Vinyl chloride	ND	50	ug/L	10	08/12/19	MH	SW8260C
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4 (10x)	102		%	10	08/12/19	MH	70 - 130 %
% Bromofluorobenzene (10x)	94		%	10	08/12/19	MH	70 - 130 %
% Dibromofluoromethane (10x)	98		%	10	08/12/19	MH	70 - 130 %
% Toluene-d8 (10x)	97		%	10	08/12/19	MH	70 - 130 %
<b><u>TCLP Acid/Base-Neutral</u></b>							
1,4-Dichlorobenzene	ND	83	ug/L	1	08/12/19	WB	SW8270D
2,4,5-Trichlorophenol	ND	83	ug/L	1	08/12/19	WB	SW8270D
2,4,6-Trichlorophenol	ND	83	ug/L	1	08/12/19	WB	SW8270D
2,4-Dinitrotoluene	ND	83	ug/L	1	08/12/19	WB	SW8270D
2-Methylphenol (o-cresol)	ND	83	ug/L	1	08/12/19	WB	SW8270D
3&4-Methylphenol (m&p-Cresol)	ND	83	ug/L	1	08/12/19	WB	SW8270D
Hexachlorobenzene	ND	83	ug/L	1	08/12/19	WB	SW8270D
Hexachlorobutadiene	ND	83	ug/L	1	08/12/19	WB	SW8270D
Hexachloroethane	ND	83	ug/L	1	08/12/19	WB	SW8270D
Nitrobenzene	ND	83	ug/L	1	08/12/19	WB	SW8270D
Pentachlorophenol	ND	83	ug/L	1	08/12/19	WB	SW8270D
Pyridine	ND	83	ug/L	1	08/12/19	WB	SW8270D
<b><u>QA/QC Surrogates</u></b>							
% 2,4,6-Tribromophenol	93		%	1	08/12/19	WB	15 - 110 %
% 2-Fluorobiphenyl	80		%	1	08/12/19	WB	30 - 130 %
% 2-Fluorophenol	64		%	1	08/12/19	WB	15 - 110 %
% Nitrobenzene-d5	81		%	1	08/12/19	WB	30 - 130 %
% Phenol-d5	62		%	1	08/12/19	WB	15 - 110 %
% Terphenyl-d14	76		%	1	08/12/19	WB	30 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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C = This parameter is subcontracted.

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.

Asbestos (NYSDOH 198.1 PLM) was analyzed by CT certified lab #PH-0622.

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.



**Phyllis Shiller, Laboratory Director**

**August 13, 2019**

**Official Report Release To Follow**



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# Analysis Report

August 13, 2019

FOR: Attn: Mark Jepsen  
 CT Dept. of Energy and Env. Protection  
 79 Elm Street  
 Hartford, CT 06106-5127

Sample Information

Matrix: SOLID  
 Location Code: CT-DEP  
 Rush Request: 72 Hour  
 P.O.#:

Custody Information

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

Date      Time

08/07/19      10:21  
 08/07/19      15:52

## Laboratory Data

SDG ID: GCD80241  
 Phoenix ID: CD80242

Project ID: GOULD MANOR PARK FAIRFIELD  
 Client ID: GMP 9

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TCLP Silver	< 0.10	0.10	mg/L	1	08/10/19	TH	SW6010D
TCLP Arsenic	< 0.10	0.10	mg/L	1	08/10/19	TH	SW6010D
TCLP Barium	0.57	0.10	mg/L	1	08/10/19	TH	SW6010D
TCLP Cadmium	< 0.050	0.050	mg/L	1	08/10/19	TH	SW6010D
TCLP Chromium	< 0.10	0.10	mg/L	1	08/10/19	TH	SW6010D
TCLP Mercury	< 0.0002	0.0002	mg/L	1	08/09/19	RS	SW7470A
TCLP Lead	0.35	0.10	mg/L	1	08/10/19	TH	SW6010D
TCLP Selenium	< 0.10	0.10	mg/L	1	08/10/19	TH	SW6010D
TCLP Metals Digestion	Completed				08/09/19	LS/I	SW3010A
Percent Solid	90		%		08/07/19	VT	SW846-%Solid
Soil Extraction for PCB	Completed				08/08/19	Q/V	SW3545A
Extraction of CT ETPH	Completed				08/07/19	G/VL	SW3545A
TCLP Digestion Mercury	Completed				08/09/19	LS/I	SW7470A
TCLP Herbicides Extraction	Completed				08/09/19	JS//AK	SW8150 MOD
TCLP Extraction for Metals	Completed				08/08/19	I	SW1311
TCLP Extraction for Organics	Completed				08/08/19	I	SW1311
TCLP Pesticides Extraction	Completed				08/09/19		SW3510C
TCLP Semi-Volatile Extraction	Completed				08/09/19	N	SW3510C
TCLP Extraction Volatiles	Completed				08/08/19	SB	SW1311
Asbestos	ND	0	%		08/09/19	*	NYSDOH 198.1 PLM C

**TPH by GC (Extractable Products)**

Ext. Petroleum H.C. (C9-C36)	ND	280	mg/Kg	5	08/08/19	JRB	CTETPH 8015D
Identification	ND		mg/Kg	5	08/08/19	JRB	CTETPH 8015D

**QA/QC Surrogates**

% n-Pentacosane	81		%	5	08/08/19	JRB	50 - 150 %
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Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	370	ug/Kg	10	08/12/19	SC	SW8082A
PCB-1221	ND	370	ug/Kg	10	08/12/19	SC	SW8082A
PCB-1232	ND	370	ug/Kg	10	08/12/19	SC	SW8082A
PCB-1242	ND	370	ug/Kg	10	08/12/19	SC	SW8082A
PCB-1248	ND	370	ug/Kg	10	08/12/19	SC	SW8082A
PCB-1254	ND	370	ug/Kg	10	08/12/19	SC	SW8082A
PCB-1260	ND	370	ug/Kg	10	08/12/19	SC	SW8082A
PCB-1262	ND	370	ug/Kg	10	08/12/19	SC	SW8082A
PCB-1268	ND	370	ug/Kg	10	08/12/19	SC	SW8082A
<b><u>QA/QC Surrogates</u></b>							
% DCBP	64		%	10	08/12/19	SC	30 - 150 %
% DCBP (Confirmation)	70		%	10	08/12/19	SC	30 - 150 %
% TCMX	72		%	10	08/12/19	SC	30 - 150 %
% TCMX (Confirmation)	68		%	10	08/12/19	SC	30 - 150 %
<b><u>TCLP Herbicides</u></b>							
2,4,5-TP (Silvex)	ND	50	ug/L	10	08/12/19	JRB	SW8151A
2,4-D	ND	100	ug/L	10	08/12/19	JRB	SW8151A
<b><u>QA/QC Surrogates</u></b>							
% DCAA	56		%	10	08/12/19	JRB	30 - 150 %
% DCAA (Confirmation)	51		%	10	08/12/19	JRB	30 - 150 %
<b><u>TCLP Pesticides</u></b>							
4,4' -DDD	ND	1.0	ug/L	10	08/12/19	AW	SW8081B
4,4' -DDE	ND	1.0	ug/L	10	08/12/19	AW	SW8081B
4,4' -DDT	ND	1.0	ug/L	10	08/12/19	AW	SW8081B
a-BHC	ND	0.50	ug/L	10	08/12/19	AW	SW8081B
Alachlor	ND	0.50	ug/L	10	08/12/19	AW	SW8081B
Aldrin	ND	0.50	ug/L	10	08/12/19	AW	SW8081B
b-BHC	ND	0.50	ug/L	10	08/12/19	AW	SW8081B
Chlordane	ND	5.0	ug/L	10	08/12/19	AW	SW8081B
d-BHC	ND	0.50	ug/L	10	08/12/19	AW	SW8081B
Dieldrin	ND	1.0	ug/L	10	08/12/19	AW	SW8081B
Endosulfan I	ND	0.50	ug/L	10	08/12/19	AW	SW8081B
Endosulfan II	ND	1.0	ug/L	10	08/12/19	AW	SW8081B
Endosulfan Sulfate	ND	1.0	ug/L	10	08/12/19	AW	SW8081B
Endrin	ND	1.0	ug/L	10	08/12/19	AW	SW8081B
Endrin Aldehyde	ND	1.0	ug/L	10	08/12/19	AW	SW8081B
g-BHC (Lindane)	ND	0.50	ug/L	10	08/12/19	AW	SW8081B
Heptachlor	ND	0.50	ug/L	10	08/12/19	AW	SW8081B
Heptachlor epoxide	ND	0.50	ug/L	10	08/12/19	AW	SW8081B
Methoxychlor	ND	0.50	ug/L	10	08/12/19	AW	SW8081B
Toxaphene	ND	20	ug/L	10	08/12/19	AW	SW8081B
<b><u>QA/QC Surrogates</u></b>							
%DCBP (Surrogate Rec)	82		%	10	08/12/19	AW	30 - 150 %
%DCBP (Surrogate Rec) (Confirmation)	81		%	10	08/12/19	AW	30 - 150 %
%TCMX (Surrogate Rec)	67		%	10	08/12/19	AW	30 - 150 %
%TCMX (Surrogate Rec) (Confirmation)	63		%	10	08/12/19	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Herbicide Chemical Charge	Completed						PEL
<b><u>TCLP Volatiles</u></b>							
1,1-Dichloroethene	ND	50	ug/L	10	08/12/19	MH	SW8260C
1,2-Dichloroethane	ND	50	ug/L	10	08/12/19	MH	SW8260C
Benzene	ND	50	ug/L	10	08/12/19	MH	SW8260C
Carbon tetrachloride	ND	50	ug/L	10	08/12/19	MH	SW8260C
Chlorobenzene	ND	50	ug/L	10	08/12/19	MH	SW8260C
Chloroform	ND	50	ug/L	10	08/12/19	MH	SW8260C
Methyl ethyl ketone	ND	50	ug/L	10	08/12/19	MH	SW8260C
Tetrachloroethene	ND	50	ug/L	10	08/12/19	MH	SW8260C
Trichloroethene	ND	50	ug/L	10	08/12/19	MH	SW8260C
Vinyl chloride	ND	50	ug/L	10	08/12/19	MH	SW8260C
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4 (10x)	102		%	10	08/12/19	MH	70 - 130 %
% Bromofluorobenzene (10x)	95		%	10	08/12/19	MH	70 - 130 %
% Dibromofluoromethane (10x)	96		%	10	08/12/19	MH	70 - 130 %
% Toluene-d8 (10x)	98		%	10	08/12/19	MH	70 - 130 %
<b><u>TCLP Acid/Base-Neutral</u></b>							
1,4-Dichlorobenzene	ND	83	ug/L	1	08/12/19	WB	SW8270D
2,4,5-Trichlorophenol	ND	83	ug/L	1	08/12/19	WB	SW8270D
2,4,6-Trichlorophenol	ND	83	ug/L	1	08/12/19	WB	SW8270D
2,4-Dinitrotoluene	ND	83	ug/L	1	08/12/19	WB	SW8270D
2-Methylphenol (o-cresol)	ND	83	ug/L	1	08/12/19	WB	SW8270D
3&4-Methylphenol (m&p-Cresol)	ND	83	ug/L	1	08/12/19	WB	SW8270D
Hexachlorobenzene	ND	83	ug/L	1	08/12/19	WB	SW8270D
Hexachlorobutadiene	ND	83	ug/L	1	08/12/19	WB	SW8270D
Hexachloroethane	ND	83	ug/L	1	08/12/19	WB	SW8270D
Nitrobenzene	ND	83	ug/L	1	08/12/19	WB	SW8270D
Pentachlorophenol	ND	83	ug/L	1	08/12/19	WB	SW8270D
Pyridine	ND	83	ug/L	1	08/12/19	WB	SW8270D
<b><u>QA/QC Surrogates</u></b>							
% 2,4,6-Tribromophenol	87		%	1	08/12/19	WB	15 - 110 %
% 2-Fluorobiphenyl	77		%	1	08/12/19	WB	30 - 130 %
% 2-Fluorophenol	60		%	1	08/12/19	WB	15 - 110 %
% Nitrobenzene-d5	79		%	1	08/12/19	WB	30 - 130 %
% Phenol-d5	59		%	1	08/12/19	WB	15 - 110 %
% Terphenyl-d14	76		%	1	08/12/19	WB	30 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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C = This parameter is subcontracted.

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:**

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

Asbestos (NYSDOH 198.1 PLM) was analyzed by CT certified lab #PH-0622.

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**Phyllis Shiller, Laboratory Director**

**August 13, 2019**

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**Analysis Report**  
 August 13, 2019

FOR: Attn: Mark Jepsen  
 CT Dept. of Energy and Env. Protection  
 79 Elm Street  
 Hartford, CT 06106-5127

Sample Information

Matrix: SOLID  
 Location Code: CT-DEP  
 Rush Request: 72 Hour  
 P.O.#:

Custody Information

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

Date

08/07/19  
 08/07/19

Time

10:36  
 15:52

Laboratory Data

SDG ID: GCD80241  
 Phoenix ID: CD80243

Project ID: GOULD MANOR PARK FAIRFIELD  
 Client ID: GMP 8

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TCLP Silver	< 0.10	0.10	mg/L	1	08/10/19	TH	SW6010D
TCLP Arsenic	< 0.10	0.10	mg/L	1	08/10/19	TH	SW6010D
TCLP Barium	0.90	0.10	mg/L	1	08/10/19	TH	SW6010D
TCLP Cadmium	< 0.050	0.050	mg/L	1	08/10/19	TH	SW6010D
TCLP Chromium	< 0.10	0.10	mg/L	1	08/10/19	TH	SW6010D
TCLP Mercury	< 0.0002	0.0002	mg/L	1	08/09/19	RS	SW7470A
TCLP Lead	0.62	0.10	mg/L	1	08/10/19	TH	SW6010D
TCLP Selenium	< 0.10	0.10	mg/L	1	08/10/19	TH	SW6010D
TCLP Metals Digestion	Completed				08/09/19	LS/I	SW3010A
Percent Solid	92		%		08/07/19	VT	SW846-%Solid
Soil Extraction for PCB	Completed				08/08/19	Q/V	SW3545A
Extraction of CT ETPH	Completed				08/07/19	G/VL	SW3545A
TCLP Digestion Mercury	Completed				08/09/19	LS/I	SW7470A
TCLP Herbicides Extraction	Completed				08/09/19	JS//AK	SW8150 MOD
TCLP Extraction for Metals	Completed				08/08/19	I	SW1311
TCLP Extraction for Organics	Completed				08/08/19	I	SW1311
TCLP Pesticides Extraction	Completed				08/09/19		SW3510C
TCLP Semi-Volatile Extraction	Completed				08/09/19	N	SW3510C
TCLP Extraction Volatiles	Completed				08/08/19	SB	SW1311
Asbestos	ND	0	%		08/09/19	*	NYSDOH 198.1 PLM C

**TPH by GC (Extractable Products)**

Ext. Petroleum H.C. (C9-C36)	ND	270	mg/Kg	5	08/08/19	JRB	CTETPH 8015D
Identification	ND		mg/Kg	5	08/08/19	JRB	CTETPH 8015D

**QA/QC Surrogates**

% n-Pentacosane	77		%	5	08/08/19	JRB	50 - 150 %
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Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	360	ug/Kg	10	08/09/19	SC	SW8082A
PCB-1221	ND	360	ug/Kg	10	08/09/19	SC	SW8082A
PCB-1232	ND	360	ug/Kg	10	08/09/19	SC	SW8082A
PCB-1242	ND	360	ug/Kg	10	08/09/19	SC	SW8082A
PCB-1248	ND	360	ug/Kg	10	08/09/19	SC	SW8082A
PCB-1254	ND	360	ug/Kg	10	08/09/19	SC	SW8082A
PCB-1260	ND	360	ug/Kg	10	08/09/19	SC	SW8082A
PCB-1262	ND	360	ug/Kg	10	08/09/19	SC	SW8082A
PCB-1268	ND	360	ug/Kg	10	08/09/19	SC	SW8082A
<b><u>QA/QC Surrogates</u></b>							
% DCBP	65		%	10	08/09/19	SC	30 - 150 %
% DCBP (Confirmation)	59		%	10	08/09/19	SC	30 - 150 %
% TCMX	63		%	10	08/09/19	SC	30 - 150 %
% TCMX (Confirmation)	57		%	10	08/09/19	SC	30 - 150 %
<b><u>TCLP Herbicides</u></b>							
2,4,5-TP (Silvex)	ND	50	ug/L	10	08/12/19	JRB	SW8151A
2,4-D	ND	100	ug/L	10	08/12/19	JRB	SW8151A
<b><u>QA/QC Surrogates</u></b>							
% DCAA	47		%	10	08/12/19	JRB	30 - 150 %
% DCAA (Confirmation)	46		%	10	08/12/19	JRB	30 - 150 %
<b><u>TCLP Pesticides</u></b>							
4,4' -DDD	ND	1.0	ug/L	10	08/12/19	AW	SW8081B
4,4' -DDE	ND	1.0	ug/L	10	08/12/19	AW	SW8081B
4,4' -DDT	ND	1.0	ug/L	10	08/12/19	AW	SW8081B
a-BHC	ND	0.50	ug/L	10	08/12/19	AW	SW8081B
Alachlor	ND	0.50	ug/L	10	08/12/19	AW	SW8081B
Aldrin	ND	0.50	ug/L	10	08/12/19	AW	SW8081B
b-BHC	ND	0.50	ug/L	10	08/12/19	AW	SW8081B
Chlordane	ND	5.0	ug/L	10	08/12/19	AW	SW8081B
d-BHC	ND	0.50	ug/L	10	08/12/19	AW	SW8081B
Dieldrin	ND	1.0	ug/L	10	08/12/19	AW	SW8081B
Endosulfan I	ND	0.50	ug/L	10	08/12/19	AW	SW8081B
Endosulfan II	ND	1.0	ug/L	10	08/12/19	AW	SW8081B
Endosulfan Sulfate	ND	1.0	ug/L	10	08/12/19	AW	SW8081B
Endrin	ND	1.0	ug/L	10	08/12/19	AW	SW8081B
Endrin Aldehyde	ND	1.0	ug/L	10	08/12/19	AW	SW8081B
g-BHC (Lindane)	ND	0.50	ug/L	10	08/12/19	AW	SW8081B
Heptachlor	ND	0.50	ug/L	10	08/12/19	AW	SW8081B
Heptachlor epoxide	ND	0.50	ug/L	10	08/12/19	AW	SW8081B
Methoxychlor	ND	0.50	ug/L	10	08/12/19	AW	SW8081B
Toxaphene	ND	20	ug/L	10	08/12/19	AW	SW8081B
<b><u>QA/QC Surrogates</u></b>							
%DCBP (Surrogate Rec)	93		%	10	08/12/19	AW	30 - 150 %
%DCBP (Surrogate Rec) (Confirmation)	85		%	10	08/12/19	AW	30 - 150 %
%TCMX (Surrogate Rec)	71		%	10	08/12/19	AW	30 - 150 %
%TCMX (Surrogate Rec) (Confirmation)	64		%	10	08/12/19	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Herbicide Chemical Charge	Completed						PEL
<b><u>TCLP Volatiles</u></b>							
1,1-Dichloroethene	ND	50	ug/L	10	08/12/19	MH	SW8260C
1,2-Dichloroethane	ND	50	ug/L	10	08/12/19	MH	SW8260C
Benzene	ND	50	ug/L	10	08/12/19	MH	SW8260C
Carbon tetrachloride	ND	50	ug/L	10	08/12/19	MH	SW8260C
Chlorobenzene	ND	50	ug/L	10	08/12/19	MH	SW8260C
Chloroform	ND	50	ug/L	10	08/12/19	MH	SW8260C
Methyl ethyl ketone	ND	50	ug/L	10	08/12/19	MH	SW8260C
Tetrachloroethene	ND	50	ug/L	10	08/12/19	MH	SW8260C
Trichloroethene	ND	50	ug/L	10	08/12/19	MH	SW8260C
Vinyl chloride	ND	50	ug/L	10	08/12/19	MH	SW8260C
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4 (10x)	103		%	10	08/12/19	MH	70 - 130 %
% Bromofluorobenzene (10x)	94		%	10	08/12/19	MH	70 - 130 %
% Dibromofluoromethane (10x)	96		%	10	08/12/19	MH	70 - 130 %
% Toluene-d8 (10x)	97		%	10	08/12/19	MH	70 - 130 %
<b><u>TCLP Acid/Base-Neutral</u></b>							
1,4-Dichlorobenzene	ND	83	ug/L	1	08/12/19	WB	SW8270D
2,4,5-Trichlorophenol	ND	83	ug/L	1	08/12/19	WB	SW8270D
2,4,6-Trichlorophenol	ND	83	ug/L	1	08/12/19	WB	SW8270D
2,4-Dinitrotoluene	ND	83	ug/L	1	08/12/19	WB	SW8270D
2-Methylphenol (o-cresol)	ND	83	ug/L	1	08/12/19	WB	SW8270D
3&4-Methylphenol (m&p-Cresol)	ND	83	ug/L	1	08/12/19	WB	SW8270D
Hexachlorobenzene	ND	83	ug/L	1	08/12/19	WB	SW8270D
Hexachlorobutadiene	ND	83	ug/L	1	08/12/19	WB	SW8270D
Hexachloroethane	ND	83	ug/L	1	08/12/19	WB	SW8270D
Nitrobenzene	ND	83	ug/L	1	08/12/19	WB	SW8270D
Pentachlorophenol	ND	83	ug/L	1	08/12/19	WB	SW8270D
Pyridine	ND	83	ug/L	1	08/12/19	WB	SW8270D
<b><u>QA/QC Surrogates</u></b>							
% 2,4,6-Tribromophenol	94		%	1	08/12/19	WB	15 - 110 %
% 2-Fluorobiphenyl	80		%	1	08/12/19	WB	30 - 130 %
% 2-Fluorophenol	65		%	1	08/12/19	WB	15 - 110 %
% Nitrobenzene-d5	84		%	1	08/12/19	WB	30 - 130 %
% Phenol-d5	64		%	1	08/12/19	WB	15 - 110 %
% Terphenyl-d14	75		%	1	08/12/19	WB	30 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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C = This parameter is subcontracted.

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:**

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

Asbestos (NYSDOH 198.1 PLM) was analyzed by CT certified lab #PH-0622.

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.



**Phyllis Shiller, Laboratory Director**

**August 13, 2019**

**Official Report Release To Follow**



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

**Analysis Report**  
 August 13, 2019

FOR: Attn: Mark Jepsen  
 CT Dept. of Energy and Env. Protection  
 79 Elm Street  
 Hartford, CT 06106-5127

Sample Information

Matrix: SOLID  
 Location Code: CT-DEP  
 Rush Request: 72 Hour  
 P.O.#:

Custody Information

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

Date                      Time  
 08/07/19                      11:02  
 08/07/19                      15:52

Laboratory Data

SDG ID: GCD80241  
 Phoenix ID: CD80244

Project ID: GOULD MANOR PARK FAIRFIELD  
 Client ID: GMP 7

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TCLP Silver	< 0.10	0.10	mg/L	1	08/10/19	TH	SW6010D
TCLP Arsenic	< 0.10	0.10	mg/L	1	08/10/19	TH	SW6010D
TCLP Barium	0.83	0.10	mg/L	1	08/10/19	TH	SW6010D
TCLP Cadmium	< 0.050	0.050	mg/L	1	08/10/19	TH	SW6010D
TCLP Chromium	< 0.10	0.10	mg/L	1	08/10/19	TH	SW6010D
TCLP Mercury	< 0.0002	0.0002	mg/L	1	08/09/19	RS	SW7470A
TCLP Lead	0.54	0.10	mg/L	1	08/10/19	TH	SW6010D
TCLP Selenium	< 0.10	0.10	mg/L	1	08/10/19	TH	SW6010D
TCLP Metals Digestion	Completed				08/09/19	LS/I	SW3010A
Percent Solid	93		%		08/07/19	VT	SW846-%Solid
Soil Extraction for PCB	Completed				08/08/19	Q/V	SW3545A
Extraction of CT ETPH	Completed				08/07/19	G/VL	SW3545A
TCLP Digestion Mercury	Completed				08/09/19	LS/I	SW7470A
TCLP Herbicides Extraction	Completed				08/09/19	JS//AK	SW8150 MOD
TCLP Extraction for Metals	Completed				08/08/19	I	SW1311
TCLP Extraction for Organics	Completed				08/08/19	I	SW1311
TCLP Pesticides Extraction	Completed				08/09/19		SW3510C
TCLP Semi-Volatile Extraction	Completed				08/09/19	N	SW3510C
TCLP Extraction Volatiles	Completed				08/08/19	SB	SW1311
Asbestos	ND	0	%		08/09/19	*	NYSDOH 198.1 PLM C

**TPH by GC (Extractable Products)**

Ext. Petroleum H.C. (C9-C36)	ND	260	mg/Kg	5	08/08/19	JRB	CTETPH 8015D
Identification	ND		mg/Kg	5	08/08/19	JRB	CTETPH 8015D

**QA/QC Surrogates**

% n-Pentacosane	85		%	5	08/08/19	JRB	50 - 150 %
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Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	360	ug/Kg	10	08/12/19	SC	SW8082A
PCB-1221	ND	360	ug/Kg	10	08/12/19	SC	SW8082A
PCB-1232	ND	360	ug/Kg	10	08/12/19	SC	SW8082A
PCB-1242	ND	360	ug/Kg	10	08/12/19	SC	SW8082A
PCB-1248	ND	360	ug/Kg	10	08/12/19	SC	SW8082A
PCB-1254	ND	360	ug/Kg	10	08/12/19	SC	SW8082A
PCB-1260	ND	360	ug/Kg	10	08/12/19	SC	SW8082A
PCB-1262	ND	360	ug/Kg	10	08/12/19	SC	SW8082A
PCB-1268	ND	360	ug/Kg	10	08/12/19	SC	SW8082A
<b><u>QA/QC Surrogates</u></b>							
% DCBP	72		%	10	08/12/19	SC	30 - 150 %
% DCBP (Confirmation)	85		%	10	08/12/19	SC	30 - 150 %
% TCMX	87		%	10	08/12/19	SC	30 - 150 %
% TCMX (Confirmation)	80		%	10	08/12/19	SC	30 - 150 %
<b><u>TCLP Herbicides</u></b>							
2,4,5-TP (Silvex)	ND	50	ug/L	10	08/12/19	JRB	SW8151A
2,4-D	ND	100	ug/L	10	08/12/19	JRB	SW8151A
<b><u>QA/QC Surrogates</u></b>							
% DCAA	31		%	10	08/12/19	JRB	30 - 150 %
% DCAA (Confirmation)	29		%	10	08/12/19	JRB	30 - 150 %
<b><u>TCLP Pesticides</u></b>							
4,4' -DDD	ND	1.0	ug/L	10	08/12/19	AW	SW8081B
4,4' -DDE	ND	1.0	ug/L	10	08/12/19	AW	SW8081B
4,4' -DDT	ND	1.0	ug/L	10	08/12/19	AW	SW8081B
a-BHC	ND	0.50	ug/L	10	08/12/19	AW	SW8081B
Alachlor	ND	0.50	ug/L	10	08/12/19	AW	SW8081B
Aldrin	ND	0.50	ug/L	10	08/12/19	AW	SW8081B
b-BHC	ND	0.50	ug/L	10	08/12/19	AW	SW8081B
Chlordane	ND	5.0	ug/L	10	08/12/19	AW	SW8081B
d-BHC	ND	0.50	ug/L	10	08/12/19	AW	SW8081B
Dieldrin	ND	1.0	ug/L	10	08/12/19	AW	SW8081B
Endosulfan I	ND	0.50	ug/L	10	08/12/19	AW	SW8081B
Endosulfan II	ND	1.0	ug/L	10	08/12/19	AW	SW8081B
Endosulfan Sulfate	ND	1.0	ug/L	10	08/12/19	AW	SW8081B
Endrin	ND	1.0	ug/L	10	08/12/19	AW	SW8081B
Endrin Aldehyde	ND	1.0	ug/L	10	08/12/19	AW	SW8081B
g-BHC (Lindane)	ND	0.50	ug/L	10	08/12/19	AW	SW8081B
Heptachlor	ND	0.50	ug/L	10	08/12/19	AW	SW8081B
Heptachlor epoxide	ND	0.50	ug/L	10	08/12/19	AW	SW8081B
Methoxychlor	ND	0.50	ug/L	10	08/12/19	AW	SW8081B
Toxaphene	ND	20	ug/L	10	08/12/19	AW	SW8081B
<b><u>QA/QC Surrogates</u></b>							
%DCBP (Surrogate Rec)	76		%	10	08/12/19	AW	30 - 150 %
%DCBP (Surrogate Rec) (Confirmation)	74		%	10	08/12/19	AW	30 - 150 %
%TCMX (Surrogate Rec)	55		%	10	08/12/19	AW	30 - 150 %
%TCMX (Surrogate Rec) (Confirmation)	52		%	10	08/12/19	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Herbicide Chemical Charge	Completed						PEL
<b><u>TCLP Volatiles</u></b>							
1,1-Dichloroethene	ND	50	ug/L	10	08/12/19	MH	SW8260C
1,2-Dichloroethane	ND	50	ug/L	10	08/12/19	MH	SW8260C
Benzene	ND	50	ug/L	10	08/12/19	MH	SW8260C
Carbon tetrachloride	ND	50	ug/L	10	08/12/19	MH	SW8260C
Chlorobenzene	ND	50	ug/L	10	08/12/19	MH	SW8260C
Chloroform	ND	50	ug/L	10	08/12/19	MH	SW8260C
Methyl ethyl ketone	ND	50	ug/L	10	08/12/19	MH	SW8260C
Tetrachloroethene	ND	50	ug/L	10	08/12/19	MH	SW8260C
Trichloroethene	ND	50	ug/L	10	08/12/19	MH	SW8260C
Vinyl chloride	ND	50	ug/L	10	08/12/19	MH	SW8260C
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4 (10x)	102		%	10	08/12/19	MH	70 - 130 %
% Bromofluorobenzene (10x)	94		%	10	08/12/19	MH	70 - 130 %
% Dibromofluoromethane (10x)	98		%	10	08/12/19	MH	70 - 130 %
% Toluene-d8 (10x)	97		%	10	08/12/19	MH	70 - 130 %
<b><u>TCLP Acid/Base-Neutral</u></b>							
1,4-Dichlorobenzene	ND	83	ug/L	1	08/12/19	WB	SW8270D
2,4,5-Trichlorophenol	ND	83	ug/L	1	08/12/19	WB	SW8270D
2,4,6-Trichlorophenol	ND	83	ug/L	1	08/12/19	WB	SW8270D
2,4-Dinitrotoluene	ND	83	ug/L	1	08/12/19	WB	SW8270D
2-Methylphenol (o-cresol)	ND	83	ug/L	1	08/12/19	WB	SW8270D
3&4-Methylphenol (m&p-Cresol)	ND	83	ug/L	1	08/12/19	WB	SW8270D
Hexachlorobenzene	ND	83	ug/L	1	08/12/19	WB	SW8270D
Hexachlorobutadiene	ND	83	ug/L	1	08/12/19	WB	SW8270D
Hexachloroethane	ND	83	ug/L	1	08/12/19	WB	SW8270D
Nitrobenzene	ND	83	ug/L	1	08/12/19	WB	SW8270D
Pentachlorophenol	ND	83	ug/L	1	08/12/19	WB	SW8270D
Pyridine	ND	83	ug/L	1	08/12/19	WB	SW8270D
<b><u>QA/QC Surrogates</u></b>							
% 2,4,6-Tribromophenol	81		%	1	08/12/19	WB	15 - 110 %
% 2-Fluorobiphenyl	73		%	1	08/12/19	WB	30 - 130 %
% 2-Fluorophenol	59		%	1	08/12/19	WB	15 - 110 %
% Nitrobenzene-d5	73		%	1	08/12/19	WB	30 - 130 %
% Phenol-d5	58		%	1	08/12/19	WB	15 - 110 %
% Terphenyl-d14	71		%	1	08/12/19	WB	30 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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3 = This parameter exceeds laboratory specified limits.  
C = This parameter is subcontracted.

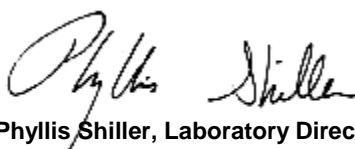
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

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

Asbestos (NYSDOH 198.1 PLM) was analyzed by CT certified lab #PH-0622.

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**Phyllis Shiller, Laboratory Director**

**August 13, 2019**

**Official Report Release To Follow**





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

# Analysis Report

August 13, 2019

FOR: Attn: Mark Jepsen  
 CT Dept. of Energy and Env. Protection  
 79 Elm Street  
 Hartford, CT 06106-5127

Sample Information

Matrix: SOLID  
 Location Code: CT-DEP  
 Rush Request: 72 Hour  
 P.O.#:

Custody Information

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

Date      Time

08/07/19      11:15  
 08/07/19      15:52

## Laboratory Data

SDG ID: GCD80241  
 Phoenix ID: CD80245

Project ID: GOULD MANOR PARK FAIRFIELD  
 Client ID: GMP 6

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TCLP Silver	< 0.10	0.10	mg/L	1	08/10/19	TH	SW6010D
TCLP Arsenic	< 0.10	0.10	mg/L	1	08/10/19	TH	SW6010D
TCLP Barium	0.64	0.10	mg/L	1	08/10/19	TH	SW6010D
TCLP Cadmium	< 0.050	0.050	mg/L	1	08/10/19	TH	SW6010D
TCLP Chromium	< 0.10	0.10	mg/L	1	08/10/19	TH	SW6010D
TCLP Mercury	< 0.0002	0.0002	mg/L	1	08/09/19	RS	SW7470A
TCLP Lead	0.29	0.10	mg/L	1	08/10/19	TH	SW6010D
TCLP Selenium	< 0.10	0.10	mg/L	1	08/10/19	TH	SW6010D
TCLP Metals Digestion	Completed				08/09/19	LS/I	SW3010A
Percent Solid	96		%		08/07/19	VT	SW846-%Solid
Soil Extraction for PCB	Completed				08/08/19	Q/V	SW3545A
Extraction of CT ETPH	Completed				08/07/19	G/VL	SW3545A
TCLP Digestion Mercury	Completed				08/09/19	LS/I	SW7470A
TCLP Herbicides Extraction	Completed				08/09/19	JS//AK	SW8150 MOD
TCLP Extraction for Metals	Completed				08/08/19	I	SW1311
TCLP Extraction for Organics	Completed				08/08/19	I	SW1311
TCLP Pesticides Extraction	Completed				08/09/19		SW3510C
TCLP Semi-Volatile Extraction	Completed				08/09/19	N	SW3510C
TCLP Extraction Volatiles	Completed				08/08/19	SB	SW1311
Asbestos	ND	0	%		08/09/19	*	NYSDOH 198.1 PLM C

**TPH by GC (Extractable Products)**

Ext. Petroleum H.C. (C9-C36)	ND	260	mg/Kg	5	08/10/19	JRB	CTETPH 8015D
Identification	ND		mg/Kg	5	08/10/19	JRB	CTETPH 8015D

**QA/QC Surrogates**

% n-Pentacosane	96		%	5	08/10/19	JRB	50 - 150 %
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Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	340	ug/Kg	10	08/12/19	SC	SW8082A
PCB-1221	ND	340	ug/Kg	10	08/12/19	SC	SW8082A
PCB-1232	ND	340	ug/Kg	10	08/12/19	SC	SW8082A
PCB-1242	ND	340	ug/Kg	10	08/12/19	SC	SW8082A
PCB-1248	ND	340	ug/Kg	10	08/12/19	SC	SW8082A
PCB-1254	ND	340	ug/Kg	10	08/12/19	SC	SW8082A
PCB-1260	ND	340	ug/Kg	10	08/12/19	SC	SW8082A
PCB-1262	ND	340	ug/Kg	10	08/12/19	SC	SW8082A
PCB-1268	ND	340	ug/Kg	10	08/12/19	SC	SW8082A
<b><u>QA/QC Surrogates</u></b>							
% DCBP	80		%	10	08/12/19	SC	30 - 150 %
% DCBP (Confirmation)	77		%	10	08/12/19	SC	30 - 150 %
% TCMX	86		%	10	08/12/19	SC	30 - 150 %
% TCMX (Confirmation)	77		%	10	08/12/19	SC	30 - 150 %
<b><u>TCLP Herbicides</u></b>							
2,4,5-TP (Silvex)	ND	50	ug/L	10	08/12/19	JRB	SW8151A
2,4-D	ND	100	ug/L	10	08/12/19	JRB	SW8151A
<b><u>QA/QC Surrogates</u></b>							
% DCAA	45		%	10	08/12/19	JRB	30 - 150 %
% DCAA (Confirmation)	41		%	10	08/12/19	JRB	30 - 150 %
<b><u>TCLP Pesticides</u></b>							
4,4' -DDD	ND	1.0	ug/L	10	08/12/19	AW	SW8081B
4,4' -DDE	ND	1.0	ug/L	10	08/12/19	AW	SW8081B
4,4' -DDT	ND	1.0	ug/L	10	08/12/19	AW	SW8081B
a-BHC	ND	0.50	ug/L	10	08/12/19	AW	SW8081B
Alachlor	ND	0.50	ug/L	10	08/12/19	AW	SW8081B
Aldrin	ND	0.50	ug/L	10	08/12/19	AW	SW8081B
b-BHC	ND	0.50	ug/L	10	08/12/19	AW	SW8081B
Chlordane	ND	5.0	ug/L	10	08/12/19	AW	SW8081B
d-BHC	ND	0.50	ug/L	10	08/12/19	AW	SW8081B
Dieldrin	ND	1.0	ug/L	10	08/12/19	AW	SW8081B
Endosulfan I	ND	0.50	ug/L	10	08/12/19	AW	SW8081B
Endosulfan II	ND	1.0	ug/L	10	08/12/19	AW	SW8081B
Endosulfan Sulfate	ND	1.0	ug/L	10	08/12/19	AW	SW8081B
Endrin	ND	1.0	ug/L	10	08/12/19	AW	SW8081B
Endrin Aldehyde	ND	1.0	ug/L	10	08/12/19	AW	SW8081B
g-BHC (Lindane)	ND	0.50	ug/L	10	08/12/19	AW	SW8081B
Heptachlor	ND	0.50	ug/L	10	08/12/19	AW	SW8081B
Heptachlor epoxide	ND	0.50	ug/L	10	08/12/19	AW	SW8081B
Methoxychlor	ND	0.50	ug/L	10	08/12/19	AW	SW8081B
Toxaphene	ND	20	ug/L	10	08/12/19	AW	SW8081B
<b><u>QA/QC Surrogates</u></b>							
%DCBP (Surrogate Rec)	90		%	10	08/12/19	AW	30 - 150 %
%DCBP (Surrogate Rec) (Confirmation)	88		%	10	08/12/19	AW	30 - 150 %
%TCMX (Surrogate Rec)	70		%	10	08/12/19	AW	30 - 150 %
%TCMX (Surrogate Rec) (Confirmation)	63		%	10	08/12/19	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Herbicide Chemical Charge	Completed						PEL
<b><u>TCLP Volatiles</u></b>							
1,1-Dichloroethene	ND	50	ug/L	10	08/12/19	MH	SW8260C
1,2-Dichloroethane	ND	50	ug/L	10	08/12/19	MH	SW8260C
Benzene	ND	50	ug/L	10	08/12/19	MH	SW8260C
Carbon tetrachloride	ND	50	ug/L	10	08/12/19	MH	SW8260C
Chlorobenzene	ND	50	ug/L	10	08/12/19	MH	SW8260C
Chloroform	ND	50	ug/L	10	08/12/19	MH	SW8260C
Methyl ethyl ketone	ND	50	ug/L	10	08/12/19	MH	SW8260C
Tetrachloroethene	ND	50	ug/L	10	08/12/19	MH	SW8260C
Trichloroethene	ND	50	ug/L	10	08/12/19	MH	SW8260C
Vinyl chloride	ND	50	ug/L	10	08/12/19	MH	SW8260C
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4 (10x)	102		%	10	08/12/19	MH	70 - 130 %
% Bromofluorobenzene (10x)	93		%	10	08/12/19	MH	70 - 130 %
% Dibromofluoromethane (10x)	96		%	10	08/12/19	MH	70 - 130 %
% Toluene-d8 (10x)	97		%	10	08/12/19	MH	70 - 130 %
<b><u>TCLP Acid/Base-Neutral</u></b>							
1,4-Dichlorobenzene	ND	83	ug/L	1	08/12/19	WB	SW8270D
2,4,5-Trichlorophenol	ND	83	ug/L	1	08/12/19	WB	SW8270D
2,4,6-Trichlorophenol	ND	83	ug/L	1	08/12/19	WB	SW8270D
2,4-Dinitrotoluene	ND	83	ug/L	1	08/12/19	WB	SW8270D
2-Methylphenol (o-cresol)	ND	83	ug/L	1	08/12/19	WB	SW8270D
3&4-Methylphenol (m&p-Cresol)	ND	83	ug/L	1	08/12/19	WB	SW8270D
Hexachlorobenzene	ND	83	ug/L	1	08/12/19	WB	SW8270D
Hexachlorobutadiene	ND	83	ug/L	1	08/12/19	WB	SW8270D
Hexachloroethane	ND	83	ug/L	1	08/12/19	WB	SW8270D
Nitrobenzene	ND	83	ug/L	1	08/12/19	WB	SW8270D
Pentachlorophenol	ND	83	ug/L	1	08/12/19	WB	SW8270D
Pyridine	ND	83	ug/L	1	08/12/19	WB	SW8270D
<b><u>QA/QC Surrogates</u></b>							
% 2,4,6-Tribromophenol	88		%	1	08/12/19	WB	15 - 110 %
% 2-Fluorobiphenyl	76		%	1	08/12/19	WB	30 - 130 %
% 2-Fluorophenol	65		%	1	08/12/19	WB	15 - 110 %
% Nitrobenzene-d5	80		%	1	08/12/19	WB	30 - 130 %
% Phenol-d5	61		%	1	08/12/19	WB	15 - 110 %
% Terphenyl-d14	74		%	1	08/12/19	WB	30 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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C = This parameter is subcontracted.

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.

Asbestos (NYSDOH 198.1 PLM) was analyzed by CT certified lab #PH-0622.

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.



**Phyllis Shiller, Laboratory Director**

**August 13, 2019**

**Official Report Release To Follow**



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

**Analysis Report**  
 August 13, 2019

FOR: Attn: Mark Jepsen  
 CT Dept. of Energy and Env. Protection  
 79 Elm Street  
 Hartford, CT 06106-5127

Sample Information

Matrix: SOLID  
 Location Code: CT-DEP  
 Rush Request: 72 Hour  
 P.O.#:

Custody Information

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

Date

08/07/19  
 08/07/19

Time

11:45  
 15:52

Laboratory Data

SDG ID: GCD80241  
 Phoenix ID: CD80246

Project ID: GOULD MANOR PARK FAIRFIELD  
 Client ID: GMP 5

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TCLP Silver	< 0.10	0.10	mg/L	1	08/10/19	TH	SW6010D
TCLP Arsenic	< 0.10	0.10	mg/L	1	08/10/19	TH	SW6010D
TCLP Barium	0.62	0.10	mg/L	1	08/10/19	TH	SW6010D
TCLP Cadmium	< 0.050	0.050	mg/L	1	08/10/19	TH	SW6010D
TCLP Chromium	< 0.10	0.10	mg/L	1	08/10/19	TH	SW6010D
TCLP Mercury	< 0.0002	0.0002	mg/L	1	08/09/19	RS	SW7470A
TCLP Lead	0.17	0.10	mg/L	1	08/10/19	TH	SW6010D
TCLP Selenium	< 0.10	0.10	mg/L	1	08/10/19	TH	SW6010D
TCLP Metals Digestion	Completed				08/09/19	LS/I	SW3010A
Percent Solid	97		%		08/07/19	VT	SW846-%Solid
Soil Extraction for PCB	Completed				08/08/19	Q/V	SW3545A
Extraction of CT ETPH	Completed				08/07/19	G/VL	SW3545A
TCLP Digestion Mercury	Completed				08/09/19	LS/I	SW7470A
TCLP Herbicides Extraction	Completed				08/09/19	JS//AK	SW8150 MOD
TCLP Extraction for Metals	Completed				08/08/19	I	SW1311
TCLP Extraction for Organics	Completed				08/08/19	I	SW1311
TCLP Pesticides Extraction	Completed				08/09/19		SW3510C
TCLP Semi-Volatile Extraction	Completed				08/09/19	N	SW3510C
TCLP Extraction Volatiles	Completed				08/08/19	SB	SW1311
Asbestos	ND	0	%		08/09/19	*	NYSDOH 198.1 PLM C

**TPH by GC (Extractable Products)**

Ext. Petroleum H.C. (C9-C36)	420	250	mg/Kg	5	08/10/19	JRB	CTETPH 8015D
Identification	**		mg/Kg	5	08/10/19	JRB	CTETPH 8015D

**QA/QC Surrogates**

% n-Pentacosane	101		%	5	08/10/19	JRB	50 - 150 %
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Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	340	ug/Kg	10	08/10/19	SC	SW8082A
PCB-1221	ND	340	ug/Kg	10	08/10/19	SC	SW8082A
PCB-1232	ND	340	ug/Kg	10	08/10/19	SC	SW8082A
PCB-1242	ND	340	ug/Kg	10	08/10/19	SC	SW8082A
PCB-1248	ND	340	ug/Kg	10	08/10/19	SC	SW8082A
PCB-1254	ND	340	ug/Kg	10	08/10/19	SC	SW8082A
PCB-1260	ND	340	ug/Kg	10	08/10/19	SC	SW8082A
PCB-1262	ND	340	ug/Kg	10	08/10/19	SC	SW8082A
PCB-1268	ND	340	ug/Kg	10	08/10/19	SC	SW8082A
<b><u>QA/QC Surrogates</u></b>							
% DCBP	126		%	10	08/10/19	SC	30 - 150 %
% DCBP (Confirmation)	118		%	10	08/10/19	SC	30 - 150 %
% TCMX	120		%	10	08/10/19	SC	30 - 150 %
% TCMX (Confirmation)	112		%	10	08/10/19	SC	30 - 150 %
<b><u>TCLP Herbicides</u></b>							
2,4,5-TP (Silvex)	ND	50	ug/L	10	08/12/19	JRB	SW8151A
2,4-D	ND	100	ug/L	10	08/12/19	JRB	SW8151A
<b><u>QA/QC Surrogates</u></b>							
% DCAA	30		%	10	08/12/19	JRB	30 - 150 %
% DCAA (Confirmation)	28		%	10	08/12/19	JRB	30 - 150 %
<b><u>TCLP Pesticides</u></b>							
4,4' -DDD	ND	1.0	ug/L	10	08/12/19	AW	SW8081B
4,4' -DDE	ND	1.0	ug/L	10	08/12/19	AW	SW8081B
4,4' -DDT	ND	1.0	ug/L	10	08/12/19	AW	SW8081B
a-BHC	ND	0.50	ug/L	10	08/12/19	AW	SW8081B
Alachlor	ND	0.50	ug/L	10	08/12/19	AW	SW8081B
Aldrin	ND	0.50	ug/L	10	08/12/19	AW	SW8081B
b-BHC	ND	0.50	ug/L	10	08/12/19	AW	SW8081B
Chlordane	ND	5.0	ug/L	10	08/12/19	AW	SW8081B
d-BHC	ND	0.50	ug/L	10	08/12/19	AW	SW8081B
Dieldrin	ND	1.0	ug/L	10	08/12/19	AW	SW8081B
Endosulfan I	ND	0.50	ug/L	10	08/12/19	AW	SW8081B
Endosulfan II	ND	1.0	ug/L	10	08/12/19	AW	SW8081B
Endosulfan Sulfate	ND	1.0	ug/L	10	08/12/19	AW	SW8081B
Endrin	ND	1.0	ug/L	10	08/12/19	AW	SW8081B
Endrin Aldehyde	ND	1.0	ug/L	10	08/12/19	AW	SW8081B
g-BHC (Lindane)	ND	0.50	ug/L	10	08/12/19	AW	SW8081B
Heptachlor	ND	0.50	ug/L	10	08/12/19	AW	SW8081B
Heptachlor epoxide	ND	0.50	ug/L	10	08/12/19	AW	SW8081B
Methoxychlor	ND	0.50	ug/L	10	08/12/19	AW	SW8081B
Toxaphene	ND	20	ug/L	10	08/12/19	AW	SW8081B
<b><u>QA/QC Surrogates</u></b>							
%DCBP (Surrogate Rec)	87		%	10	08/12/19	AW	30 - 150 %
%DCBP (Surrogate Rec) (Confirmation)	83		%	10	08/12/19	AW	30 - 150 %
%TCMX (Surrogate Rec)	67		%	10	08/12/19	AW	30 - 150 %
%TCMX (Surrogate Rec) (Confirmation)	61		%	10	08/12/19	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Herbicide Chemical Charge	Completed						PEL
<b><u>TCLP Volatiles</u></b>							
1,1-Dichloroethene	ND	50	ug/L	10	08/12/19	MH	SW8260C
1,2-Dichloroethane	ND	50	ug/L	10	08/12/19	MH	SW8260C
Benzene	ND	50	ug/L	10	08/12/19	MH	SW8260C
Carbon tetrachloride	ND	50	ug/L	10	08/12/19	MH	SW8260C
Chlorobenzene	ND	50	ug/L	10	08/12/19	MH	SW8260C
Chloroform	ND	50	ug/L	10	08/12/19	MH	SW8260C
Methyl ethyl ketone	ND	50	ug/L	10	08/12/19	MH	SW8260C
Tetrachloroethene	ND	50	ug/L	10	08/12/19	MH	SW8260C
Trichloroethene	ND	50	ug/L	10	08/12/19	MH	SW8260C
Vinyl chloride	ND	50	ug/L	10	08/12/19	MH	SW8260C
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4 (10x)	102		%	10	08/12/19	MH	70 - 130 %
% Bromofluorobenzene (10x)	94		%	10	08/12/19	MH	70 - 130 %
% Dibromofluoromethane (10x)	96		%	10	08/12/19	MH	70 - 130 %
% Toluene-d8 (10x)	97		%	10	08/12/19	MH	70 - 130 %
<b><u>TCLP Acid/Base-Neutral</u></b>							
1,4-Dichlorobenzene	ND	83	ug/L	1	08/12/19	WB	SW8270D
2,4,5-Trichlorophenol	ND	83	ug/L	1	08/12/19	WB	SW8270D
2,4,6-Trichlorophenol	ND	83	ug/L	1	08/12/19	WB	SW8270D
2,4-Dinitrotoluene	ND	83	ug/L	1	08/12/19	WB	SW8270D
2-Methylphenol (o-cresol)	ND	83	ug/L	1	08/12/19	WB	SW8270D
3&4-Methylphenol (m&p-Cresol)	ND	83	ug/L	1	08/12/19	WB	SW8270D
Hexachlorobenzene	ND	83	ug/L	1	08/12/19	WB	SW8270D
Hexachlorobutadiene	ND	83	ug/L	1	08/12/19	WB	SW8270D
Hexachloroethane	ND	83	ug/L	1	08/12/19	WB	SW8270D
Nitrobenzene	ND	83	ug/L	1	08/12/19	WB	SW8270D
Pentachlorophenol	ND	83	ug/L	1	08/12/19	WB	SW8270D
Pyridine	ND	83	ug/L	1	08/12/19	WB	SW8270D
<b><u>QA/QC Surrogates</u></b>							
% 2,4,6-Tribromophenol	87		%	1	08/12/19	WB	15 - 110 %
% 2-Fluorobiphenyl	77		%	1	08/12/19	WB	30 - 130 %
% 2-Fluorophenol	64		%	1	08/12/19	WB	15 - 110 %
% Nitrobenzene-d5	81		%	1	08/12/19	WB	30 - 130 %
% Phenol-d5	60		%	1	08/12/19	WB	15 - 110 %
% Terphenyl-d14	73		%	1	08/12/19	WB	30 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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3 = This parameter exceeds laboratory specified limits.  
C = This parameter is subcontracted.

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:**

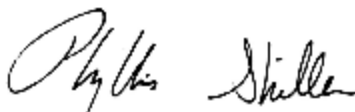
TPH Comment:

\*\*Petroleum hydrocarbon chromatogram contains a multicomponent hydrocarbon distribution in the range of C9 to C36. The sample was quantitated against a C9-C36 alkane hydrocarbon standard.

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

Asbestos (NYSDOH 198.1 PLM) was analyzed by CT certified lab #PH-0622.

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.



**Phyllis Shiller, Laboratory Director**

**August 13, 2019**

**Official Report Release To Follow**





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

**Analysis Report**  
 August 13, 2019

FOR: Attn: Mark Jepsen  
 CT Dept. of Energy and Env. Protection  
 79 Elm Street  
 Hartford, CT 06106-5127

Sample Information

Matrix: SOLID  
 Location Code: CT-DEP  
 Rush Request: 72 Hour  
 P.O.#:

Custody Information

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

Date

08/07/19  
 08/07/19

Time

12:00  
 15:52

Laboratory Data

SDG ID: GCD80241  
 Phoenix ID: CD80247

Project ID: GOULD MANOR PARK FAIRFIELD  
 Client ID: GMP 4

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TCLP Silver	< 0.10	0.10	mg/L	1	08/10/19	TH	SW6010D
TCLP Arsenic	< 0.10	0.10	mg/L	1	08/10/19	TH	SW6010D
TCLP Barium	0.46	0.10	mg/L	1	08/10/19	TH	SW6010D
TCLP Cadmium	< 0.050	0.050	mg/L	1	08/10/19	TH	SW6010D
TCLP Chromium	< 0.10	0.10	mg/L	1	08/10/19	TH	SW6010D
TCLP Mercury	< 0.0002	0.0002	mg/L	1	08/09/19	RS	SW7470A
TCLP Lead	0.21	0.10	mg/L	1	08/10/19	TH	SW6010D
TCLP Selenium	< 0.10	0.10	mg/L	1	08/10/19	TH	SW6010D
TCLP Metals Digestion	Completed				08/09/19	LS/I	SW3010A
Percent Solid	90		%		08/07/19	VT	SW846-%Solid
Soil Extraction for PCB	Completed				08/08/19	Q/V	SW3545A
Extraction of CT ETPH	Completed				08/07/19	G/VL	SW3545A
TCLP Digestion Mercury	Completed				08/09/19	LS/I	SW7470A
TCLP Herbicides Extraction	Completed				08/09/19	JS//AK	SW8150 MOD
TCLP Extraction for Metals	Completed				08/08/19	I	SW1311
TCLP Extraction for Organics	Completed				08/08/19	I	SW1311
TCLP Pesticides Extraction	Completed				08/09/19		SW3510C
TCLP Semi-Volatile Extraction	Completed				08/09/19	N	SW3510C
TCLP Extraction Volatiles	Completed				08/08/19	SB	SW1311
Asbestos	ND	0	%		08/09/19	*	NYSDOH 198.1 PLM C

**TPH by GC (Extractable Products)**

Ext. Petroleum H.C. (C9-C36)	ND	270	mg/Kg	5	08/08/19	JRB	CTETPH 8015D
Identification	ND		mg/Kg	5	08/08/19	JRB	CTETPH 8015D

**QA/QC Surrogates**

% n-Pentacosane	97		%	5	08/08/19	JRB	50 - 150 %
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Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	360	ug/Kg	10	08/12/19	SC	SW8082A
PCB-1221	ND	360	ug/Kg	10	08/12/19	SC	SW8082A
PCB-1232	ND	360	ug/Kg	10	08/12/19	SC	SW8082A
PCB-1242	ND	360	ug/Kg	10	08/12/19	SC	SW8082A
PCB-1248	ND	360	ug/Kg	10	08/12/19	SC	SW8082A
PCB-1254	ND	360	ug/Kg	10	08/12/19	SC	SW8082A
PCB-1260	ND	360	ug/Kg	10	08/12/19	SC	SW8082A
PCB-1262	ND	360	ug/Kg	10	08/12/19	SC	SW8082A
PCB-1268	ND	360	ug/Kg	10	08/12/19	SC	SW8082A
<b><u>QA/QC Surrogates</u></b>							
% DCBP	88		%	10	08/12/19	SC	30 - 150 %
% DCBP (Confirmation)	98		%	10	08/12/19	SC	30 - 150 %
% TCMX	105		%	10	08/12/19	SC	30 - 150 %
% TCMX (Confirmation)	96		%	10	08/12/19	SC	30 - 150 %
<b><u>TCLP Herbicides</u></b>							
2,4,5-TP (Silvex)	ND	50	ug/L	10	08/12/19	JRB	SW8151A
2,4-D	ND	100	ug/L	10	08/12/19	JRB	SW8151A
<b><u>QA/QC Surrogates</u></b>							
% DCAA	28		%	10	08/12/19	JRB	30 - 150 % 3
% DCAA (Confirmation)	28		%	10	08/12/19	JRB	30 - 150 % 3
<b><u>TCLP Pesticides</u></b>							
4,4' -DDD	ND	1.0	ug/L	10	08/13/19	AW	SW8081B
4,4' -DDE	ND	1.0	ug/L	10	08/13/19	AW	SW8081B
4,4' -DDT	ND	1.0	ug/L	10	08/13/19	AW	SW8081B
a-BHC	ND	0.50	ug/L	10	08/13/19	AW	SW8081B
Alachlor	ND	0.50	ug/L	10	08/13/19	AW	SW8081B
Aldrin	ND	0.50	ug/L	10	08/13/19	AW	SW8081B
b-BHC	ND	0.50	ug/L	10	08/13/19	AW	SW8081B
Chlordane	ND	5.0	ug/L	10	08/13/19	AW	SW8081B
d-BHC	ND	0.50	ug/L	10	08/13/19	AW	SW8081B
Dieldrin	ND	1.0	ug/L	10	08/13/19	AW	SW8081B
Endosulfan I	ND	0.50	ug/L	10	08/13/19	AW	SW8081B
Endosulfan II	ND	1.0	ug/L	10	08/13/19	AW	SW8081B
Endosulfan Sulfate	ND	1.0	ug/L	10	08/13/19	AW	SW8081B
Endrin	ND	1.0	ug/L	10	08/13/19	AW	SW8081B
Endrin Aldehyde	ND	1.0	ug/L	10	08/13/19	AW	SW8081B
g-BHC (Lindane)	ND	0.50	ug/L	10	08/13/19	AW	SW8081B
Heptachlor	ND	0.50	ug/L	10	08/13/19	AW	SW8081B
Heptachlor epoxide	ND	0.50	ug/L	10	08/13/19	AW	SW8081B
Methoxychlor	ND	0.50	ug/L	10	08/13/19	AW	SW8081B
Toxaphene	ND	20	ug/L	10	08/13/19	AW	SW8081B
<b><u>QA/QC Surrogates</u></b>							
%DCBP (Surrogate Rec)	88		%	10	08/13/19	AW	30 - 150 %
%DCBP (Surrogate Rec) (Confirmation)	85		%	10	08/13/19	AW	30 - 150 %
%TCMX (Surrogate Rec)	67		%	10	08/13/19	AW	30 - 150 %
%TCMX (Surrogate Rec) (Confirmation)	61		%	10	08/13/19	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Herbicide Chemical Charge	Completed						PEL
<b><u>TCLP Volatiles</u></b>							
1,1-Dichloroethene	ND	50	ug/L	10	08/12/19	MH	SW8260C
1,2-Dichloroethane	ND	50	ug/L	10	08/12/19	MH	SW8260C
Benzene	ND	50	ug/L	10	08/12/19	MH	SW8260C
Carbon tetrachloride	ND	50	ug/L	10	08/12/19	MH	SW8260C
Chlorobenzene	ND	50	ug/L	10	08/12/19	MH	SW8260C
Chloroform	ND	50	ug/L	10	08/12/19	MH	SW8260C
Methyl ethyl ketone	ND	50	ug/L	10	08/12/19	MH	SW8260C
Tetrachloroethene	ND	50	ug/L	10	08/12/19	MH	SW8260C
Trichloroethene	ND	50	ug/L	10	08/12/19	MH	SW8260C
Vinyl chloride	ND	50	ug/L	10	08/12/19	MH	SW8260C
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4 (10x)	101		%	10	08/12/19	MH	70 - 130 %
% Bromofluorobenzene (10x)	93		%	10	08/12/19	MH	70 - 130 %
% Dibromofluoromethane (10x)	98		%	10	08/12/19	MH	70 - 130 %
% Toluene-d8 (10x)	98		%	10	08/12/19	MH	70 - 130 %
<b><u>TCLP Acid/Base-Neutral</u></b>							
1,4-Dichlorobenzene	ND	83	ug/L	1	08/12/19	WB	SW8270D
2,4,5-Trichlorophenol	ND	83	ug/L	1	08/12/19	WB	SW8270D
2,4,6-Trichlorophenol	ND	83	ug/L	1	08/12/19	WB	SW8270D
2,4-Dinitrotoluene	ND	83	ug/L	1	08/12/19	WB	SW8270D
2-Methylphenol (o-cresol)	ND	83	ug/L	1	08/12/19	WB	SW8270D
3&4-Methylphenol (m&p-Cresol)	ND	83	ug/L	1	08/12/19	WB	SW8270D
Hexachlorobenzene	ND	83	ug/L	1	08/12/19	WB	SW8270D
Hexachlorobutadiene	ND	83	ug/L	1	08/12/19	WB	SW8270D
Hexachloroethane	ND	83	ug/L	1	08/12/19	WB	SW8270D
Nitrobenzene	ND	83	ug/L	1	08/12/19	WB	SW8270D
Pentachlorophenol	ND	83	ug/L	1	08/12/19	WB	SW8270D
Pyridine	ND	83	ug/L	1	08/12/19	WB	SW8270D
<b><u>QA/QC Surrogates</u></b>							
% 2,4,6-Tribromophenol	85		%	1	08/12/19	WB	15 - 110 %
% 2-Fluorobiphenyl	76		%	1	08/12/19	WB	30 - 130 %
% 2-Fluorophenol	62		%	1	08/12/19	WB	15 - 110 %
% Nitrobenzene-d5	77		%	1	08/12/19	WB	30 - 130 %
% Phenol-d5	58		%	1	08/12/19	WB	15 - 110 %
% Terphenyl-d14	72		%	1	08/12/19	WB	30 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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3 = This parameter exceeds laboratory specified limits.  
C = This parameter is subcontracted.

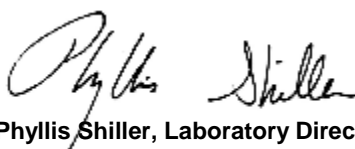
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

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

Asbestos (NYSDOH 198.1 PLM) was analyzed by CT certified lab #PH-0622.

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.



**Phyllis Shiller, Laboratory Director**

**August 13, 2019**

**Official Report Release To Follow**



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

**Analysis Report**  
 August 13, 2019

FOR: Attn: Mark Jepsen  
 CT Dept. of Energy and Env. Protection  
 79 Elm Street  
 Hartford, CT 06106-5127

Sample Information

Matrix: SOLID  
 Location Code: CT-DEP  
 Rush Request: 72 Hour  
 P.O.#:

Custody Information

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

Date

08/07/19  
 08/07/19

Time

12:15  
 15:52

Laboratory Data

SDG ID: GCD80241  
 Phoenix ID: CD80248

Project ID: GOULD MANOR PARK FAIRFIELD  
 Client ID: GMP 3

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TCLP Silver	< 0.10	0.10	mg/L	1	08/10/19	TH	SW6010D
TCLP Arsenic	< 0.10	0.10	mg/L	1	08/10/19	TH	SW6010D
TCLP Barium	0.16	0.10	mg/L	1	08/10/19	TH	SW6010D
TCLP Cadmium	< 0.050	0.050	mg/L	1	08/10/19	TH	SW6010D
TCLP Chromium	< 0.10	0.10	mg/L	1	08/10/19	TH	SW6010D
TCLP Mercury	< 0.0002	0.0002	mg/L	1	08/09/19	RS	SW7470A
TCLP Lead	< 0.10	0.10	mg/L	1	08/10/19	TH	SW6010D
TCLP Selenium	< 0.10	0.10	mg/L	1	08/10/19	TH	SW6010D
TCLP Metals Digestion	Completed				08/09/19	LS/I	SW3010A
Percent Solid	84		%		08/07/19	VT	SW846-%Solid
Soil Extraction for PCB	Completed				08/08/19	Q/V	SW3545A
Extraction of CT ETPH	Completed				08/07/19	G/VL	SW3545A
TCLP Digestion Mercury	Completed				08/09/19	LS/I	SW7470A
TCLP Herbicides Extraction	Completed				08/09/19	JS//AK	SW8150 MOD
TCLP Extraction for Metals	Completed				08/08/19	I	SW1311
TCLP Extraction for Organics	Completed				08/08/19	I	SW1311
TCLP Pesticides Extraction	Completed				08/09/19		SW3510C
TCLP Semi-Volatile Extraction	Completed				08/09/19	N	SW3510C
TCLP Extraction Volatiles	Completed				08/08/19	SB	SW1311
Asbestos	ND	0	%		08/09/19	*	NYSDOH 198.1 PLM C

**TPH by GC (Extractable Products)**

Ext. Petroleum H.C. (C9-C36)	ND	58	mg/Kg	1	08/09/19	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	08/09/19	JRB	CTETPH 8015D

**QA/QC Surrogates**

% n-Pentacosane	114		%	1	08/09/19	JRB	50 - 150 %
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Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	390	ug/Kg	10	08/09/19	SC	SW8082A
PCB-1221	ND	390	ug/Kg	10	08/09/19	SC	SW8082A
PCB-1232	ND	390	ug/Kg	10	08/09/19	SC	SW8082A
PCB-1242	ND	390	ug/Kg	10	08/09/19	SC	SW8082A
PCB-1248	ND	390	ug/Kg	10	08/09/19	SC	SW8082A
PCB-1254	ND	390	ug/Kg	10	08/09/19	SC	SW8082A
PCB-1260	ND	390	ug/Kg	10	08/09/19	SC	SW8082A
PCB-1262	ND	390	ug/Kg	10	08/09/19	SC	SW8082A
PCB-1268	ND	390	ug/Kg	10	08/09/19	SC	SW8082A
<b><u>QA/QC Surrogates</u></b>							
% DCBP	63		%	10	08/09/19	SC	30 - 150 %
% DCBP (Confirmation)	56		%	10	08/09/19	SC	30 - 150 %
% TCMX	60		%	10	08/09/19	SC	30 - 150 %
% TCMX (Confirmation)	54		%	10	08/09/19	SC	30 - 150 %
<b><u>TCLP Herbicides</u></b>							
2,4,5-TP (Silvex)	ND	50	ug/L	10	08/12/19	JRB	SW8151A
2,4-D	ND	100	ug/L	10	08/12/19	JRB	SW8151A
<b><u>QA/QC Surrogates</u></b>							
% DCAA	46		%	10	08/12/19	JRB	30 - 150 %
% DCAA (Confirmation)	46		%	10	08/12/19	JRB	30 - 150 %
<b><u>TCLP Pesticides</u></b>							
4,4' -DDD	ND	1.0	ug/L	10	08/13/19	AW	SW8081B
4,4' -DDE	ND	1.0	ug/L	10	08/13/19	AW	SW8081B
4,4' -DDT	ND	1.0	ug/L	10	08/13/19	AW	SW8081B
a-BHC	ND	0.50	ug/L	10	08/13/19	AW	SW8081B
Alachlor	ND	0.50	ug/L	10	08/13/19	AW	SW8081B
Aldrin	ND	0.50	ug/L	10	08/13/19	AW	SW8081B
b-BHC	ND	0.50	ug/L	10	08/13/19	AW	SW8081B
Chlordane	ND	5.0	ug/L	10	08/13/19	AW	SW8081B
d-BHC	ND	0.50	ug/L	10	08/13/19	AW	SW8081B
Dieldrin	ND	1.0	ug/L	10	08/13/19	AW	SW8081B
Endosulfan I	ND	0.50	ug/L	10	08/13/19	AW	SW8081B
Endosulfan II	ND	1.0	ug/L	10	08/13/19	AW	SW8081B
Endosulfan Sulfate	ND	1.0	ug/L	10	08/13/19	AW	SW8081B
Endrin	ND	1.0	ug/L	10	08/13/19	AW	SW8081B
Endrin Aldehyde	ND	1.0	ug/L	10	08/13/19	AW	SW8081B
g-BHC (Lindane)	ND	0.50	ug/L	10	08/13/19	AW	SW8081B
Heptachlor	ND	0.50	ug/L	10	08/13/19	AW	SW8081B
Heptachlor epoxide	ND	0.50	ug/L	10	08/13/19	AW	SW8081B
Methoxychlor	ND	0.50	ug/L	10	08/13/19	AW	SW8081B
Toxaphene	ND	20	ug/L	10	08/13/19	AW	SW8081B
<b><u>QA/QC Surrogates</u></b>							
%DCBP (Surrogate Rec)	81		%	10	08/13/19	AW	30 - 150 %
%DCBP (Surrogate Rec) (Confirmation)	79		%	10	08/13/19	AW	30 - 150 %
%TCMX (Surrogate Rec)	61		%	10	08/13/19	AW	30 - 150 %
%TCMX (Surrogate Rec) (Confirmation)	56		%	10	08/13/19	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Herbicide Chemical Charge	Completed						PEL
<b><u>TCLP Volatiles</u></b>							
1,1-Dichloroethene	ND	50	ug/L	10	08/12/19	MH	SW8260C
1,2-Dichloroethane	ND	50	ug/L	10	08/12/19	MH	SW8260C
Benzene	ND	50	ug/L	10	08/12/19	MH	SW8260C
Carbon tetrachloride	ND	50	ug/L	10	08/12/19	MH	SW8260C
Chlorobenzene	ND	50	ug/L	10	08/12/19	MH	SW8260C
Chloroform	ND	50	ug/L	10	08/12/19	MH	SW8260C
Methyl ethyl ketone	ND	50	ug/L	10	08/12/19	MH	SW8260C
Tetrachloroethene	ND	50	ug/L	10	08/12/19	MH	SW8260C
Trichloroethene	ND	50	ug/L	10	08/12/19	MH	SW8260C
Vinyl chloride	ND	50	ug/L	10	08/12/19	MH	SW8260C
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4 (10x)	102		%	10	08/12/19	MH	70 - 130 %
% Bromofluorobenzene (10x)	93		%	10	08/12/19	MH	70 - 130 %
% Dibromofluoromethane (10x)	95		%	10	08/12/19	MH	70 - 130 %
% Toluene-d8 (10x)	98		%	10	08/12/19	MH	70 - 130 %
<b><u>TCLP Acid/Base-Neutral</u></b>							
1,4-Dichlorobenzene	ND	83	ug/L	1	08/12/19	WB	SW8270D
2,4,5-Trichlorophenol	ND	83	ug/L	1	08/12/19	WB	SW8270D
2,4,6-Trichlorophenol	ND	83	ug/L	1	08/12/19	WB	SW8270D
2,4-Dinitrotoluene	ND	83	ug/L	1	08/12/19	WB	SW8270D
2-Methylphenol (o-cresol)	ND	83	ug/L	1	08/12/19	WB	SW8270D
3&4-Methylphenol (m&p-Cresol)	ND	83	ug/L	1	08/12/19	WB	SW8270D
Hexachlorobenzene	ND	83	ug/L	1	08/12/19	WB	SW8270D
Hexachlorobutadiene	ND	83	ug/L	1	08/12/19	WB	SW8270D
Hexachloroethane	ND	83	ug/L	1	08/12/19	WB	SW8270D
Nitrobenzene	ND	83	ug/L	1	08/12/19	WB	SW8270D
Pentachlorophenol	ND	83	ug/L	1	08/12/19	WB	SW8270D
Pyridine	ND	83	ug/L	1	08/12/19	WB	SW8270D
<b><u>QA/QC Surrogates</u></b>							
% 2,4,6-Tribromophenol	91		%	1	08/12/19	WB	15 - 110 %
% 2-Fluorobiphenyl	79		%	1	08/12/19	WB	30 - 130 %
% 2-Fluorophenol	65		%	1	08/12/19	WB	15 - 110 %
% Nitrobenzene-d5	80		%	1	08/12/19	WB	30 - 130 %
% Phenol-d5	62		%	1	08/12/19	WB	15 - 110 %
% Terphenyl-d14	75		%	1	08/12/19	WB	30 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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C = This parameter is subcontracted.

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:**

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

Asbestos (NYSDOH 198.1 PLM) was analyzed by CT certified lab #PH-0622.

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.



**Phyllis Shiller, Laboratory Director**

**August 13, 2019**

**Official Report Release To Follow**





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

**Analysis Report**  
 August 13, 2019

FOR: Attn: Mark Jepsen  
 CT Dept. of Energy and Env. Protection  
 79 Elm Street  
 Hartford, CT 06106-5127

Sample Information

Matrix: SOLID  
 Location Code: CT-DEP  
 Rush Request: 72 Hour  
 P.O.#:

Custody Information

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

Date      Time  
 08/07/19      12:30  
 08/07/19      15:52

Laboratory Data

SDG ID: GCD80241  
 Phoenix ID: CD80249

Project ID: GOULD MANOR PARK FAIRFIELD  
 Client ID: GMP 2

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Asbestos	8.8	0	%		08/09/19	*	NYSDOH 198.1 PLM C

C = This parameter is subcontracted.

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

**Comments:**

Asbestos reported as Chrysotile.

Asbestos (NYSDOH 198.1 PLM) was analyzed by CT certified lab #PH-0622.

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.

**Phyllis Shiller, Laboratory Director**

**August 13, 2019**

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

**Analysis Report**  
 August 13, 2019

FOR: Attn: Mark Jepsen  
 CT Dept. of Energy and Env. Protection  
 79 Elm Street  
 Hartford, CT 06106-5127

Sample Information

Matrix: SOLID  
 Location Code: CT-DEP  
 Rush Request: 72 Hour  
 P.O.#:

Custody Information

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

Date

08/07/19  
 08/07/19

Time

12:45  
 15:52

Laboratory Data

SDG ID: GCD80241  
 Phoenix ID: CD80250

Project ID: GOULD MANOR PARK FAIRFIELD  
 Client ID: GMP 11

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TCLP Silver	< 0.10	0.10	mg/L	1	08/10/19	TH	SW6010D
TCLP Arsenic	< 0.10	0.10	mg/L	1	08/10/19	TH	SW6010D
TCLP Barium	1.59	0.10	mg/L	1	08/10/19	TH	SW6010D
TCLP Cadmium	< 0.050	0.050	mg/L	1	08/10/19	TH	SW6010D
TCLP Chromium	< 0.10	0.10	mg/L	1	08/10/19	TH	SW6010D
TCLP Mercury	< 0.0002	0.0002	mg/L	1	08/09/19	RS	SW7470A
TCLP Lead	3.50	0.10	mg/L	1	08/10/19	TH	SW6010D
TCLP Selenium	< 0.10	0.10	mg/L	1	08/10/19	TH	SW6010D
TCLP Metals Digestion	Completed				08/09/19	LS/I	SW3010A
Percent Solid	95		%		08/07/19	VT	SW846-%Solid
Soil Extraction for PCB	Completed				08/08/19	Q/V	SW3545A
Extraction of CT ETPH	Completed				08/07/19	G/VL	SW3545A
TCLP Digestion Mercury	Completed				08/09/19	LS/I	SW7470A
TCLP Herbicides Extraction	Completed				08/09/19	JS//AK	SW8150 MOD
TCLP Extraction for Metals	Completed				08/08/19	I	SW1311
TCLP Extraction for Organics	Completed				08/08/19	I	SW1311
TCLP Pesticides Extraction	Completed				08/09/19		SW3510C
TCLP Semi-Volatile Extraction	Completed				08/09/19	N	SW3510C
TCLP Extraction Volatiles	Completed				08/08/19	SB	SW1311
Asbestos	ND	0	%		08/09/19	*	NYSDOH 198.1 PLM C

**TPH by GC (Extractable Products)**

Ext. Petroleum H.C. (C9-C36)	ND	260	mg/Kg	5	08/08/19	JRB	CTETPH 8015D
Identification	ND		mg/Kg	5	08/08/19	JRB	CTETPH 8015D

**QA/QC Surrogates**

% n-Pentacosane	77		%	5	08/08/19	JRB	50 - 150 %
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Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	340	ug/Kg	10	08/12/19	SC	SW8082A
PCB-1221	ND	340	ug/Kg	10	08/12/19	SC	SW8082A
PCB-1232	ND	340	ug/Kg	10	08/12/19	SC	SW8082A
PCB-1242	ND	340	ug/Kg	10	08/12/19	SC	SW8082A
PCB-1248	ND	340	ug/Kg	10	08/12/19	SC	SW8082A
PCB-1254	ND	340	ug/Kg	10	08/12/19	SC	SW8082A
PCB-1260	ND	340	ug/Kg	10	08/12/19	SC	SW8082A
PCB-1262	ND	340	ug/Kg	10	08/12/19	SC	SW8082A
PCB-1268	ND	340	ug/Kg	10	08/12/19	SC	SW8082A
<b><u>QA/QC Surrogates</u></b>							
% DCBP	90		%	10	08/12/19	SC	30 - 150 %
% DCBP (Confirmation)	94		%	10	08/12/19	SC	30 - 150 %
% TCMX	95		%	10	08/12/19	SC	30 - 150 %
% TCMX (Confirmation)	87		%	10	08/12/19	SC	30 - 150 %
<b><u>TCLP Herbicides</u></b>							
2,4,5-TP (Silvex)	ND	50	ug/L	10	08/12/19	JRB	SW8151A
2,4-D	ND	100	ug/L	10	08/12/19	JRB	SW8151A
<b><u>QA/QC Surrogates</u></b>							
% DCAA	62		%	10	08/12/19	JRB	30 - 150 %
% DCAA (Confirmation)	58		%	10	08/12/19	JRB	30 - 150 %
<b><u>TCLP Pesticides</u></b>							
4,4' -DDD	ND	1.0	ug/L	10	08/13/19	AW	SW8081B
4,4' -DDE	ND	1.0	ug/L	10	08/13/19	AW	SW8081B
4,4' -DDT	ND	1.0	ug/L	10	08/13/19	AW	SW8081B
a-BHC	ND	0.50	ug/L	10	08/13/19	AW	SW8081B
Alachlor	ND	0.50	ug/L	10	08/13/19	AW	SW8081B
Aldrin	ND	0.50	ug/L	10	08/13/19	AW	SW8081B
b-BHC	ND	0.50	ug/L	10	08/13/19	AW	SW8081B
Chlordane	ND	5.0	ug/L	10	08/13/19	AW	SW8081B
d-BHC	ND	0.50	ug/L	10	08/13/19	AW	SW8081B
Dieldrin	ND	1.0	ug/L	10	08/13/19	AW	SW8081B
Endosulfan I	ND	0.50	ug/L	10	08/13/19	AW	SW8081B
Endosulfan II	ND	1.0	ug/L	10	08/13/19	AW	SW8081B
Endosulfan Sulfate	ND	1.0	ug/L	10	08/13/19	AW	SW8081B
Endrin	ND	1.0	ug/L	10	08/13/19	AW	SW8081B
Endrin Aldehyde	ND	1.0	ug/L	10	08/13/19	AW	SW8081B
g-BHC (Lindane)	ND	0.50	ug/L	10	08/13/19	AW	SW8081B
Heptachlor	ND	0.50	ug/L	10	08/13/19	AW	SW8081B
Heptachlor epoxide	ND	0.50	ug/L	10	08/13/19	AW	SW8081B
Methoxychlor	ND	0.50	ug/L	10	08/13/19	AW	SW8081B
Toxaphene	ND	20	ug/L	10	08/13/19	AW	SW8081B
<b><u>QA/QC Surrogates</u></b>							
%DCBP (Surrogate Rec)	84		%	10	08/13/19	AW	30 - 150 %
%DCBP (Surrogate Rec) (Confirmation)	79		%	10	08/13/19	AW	30 - 150 %
%TCMX (Surrogate Rec)	61		%	10	08/13/19	AW	30 - 150 %
%TCMX (Surrogate Rec) (Confirmation)	56		%	10	08/13/19	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Herbicide Chemical Charge	Completed						PEL
<b><u>TCLP Volatiles</u></b>							
1,1-Dichloroethene	ND	50	ug/L	10	08/12/19	MH	SW8260C
1,2-Dichloroethane	ND	50	ug/L	10	08/12/19	MH	SW8260C
Benzene	ND	50	ug/L	10	08/12/19	MH	SW8260C
Carbon tetrachloride	ND	50	ug/L	10	08/12/19	MH	SW8260C
Chlorobenzene	ND	50	ug/L	10	08/12/19	MH	SW8260C
Chloroform	ND	50	ug/L	10	08/12/19	MH	SW8260C
Methyl ethyl ketone	ND	50	ug/L	10	08/12/19	MH	SW8260C
Tetrachloroethene	ND	50	ug/L	10	08/12/19	MH	SW8260C
Trichloroethene	ND	50	ug/L	10	08/12/19	MH	SW8260C
Vinyl chloride	ND	50	ug/L	10	08/12/19	MH	SW8260C
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4 (10x)	103		%	10	08/12/19	MH	70 - 130 %
% Bromofluorobenzene (10x)	94		%	10	08/12/19	MH	70 - 130 %
% Dibromofluoromethane (10x)	96		%	10	08/12/19	MH	70 - 130 %
% Toluene-d8 (10x)	98		%	10	08/12/19	MH	70 - 130 %
<b><u>TCLP Acid/Base-Neutral</u></b>							
1,4-Dichlorobenzene	ND	83	ug/L	1	08/12/19	WB	SW8270D
2,4,5-Trichlorophenol	ND	83	ug/L	1	08/12/19	WB	SW8270D
2,4,6-Trichlorophenol	ND	83	ug/L	1	08/12/19	WB	SW8270D
2,4-Dinitrotoluene	ND	83	ug/L	1	08/12/19	WB	SW8270D
2-Methylphenol (o-cresol)	ND	83	ug/L	1	08/12/19	WB	SW8270D
3&4-Methylphenol (m&p-Cresol)	ND	83	ug/L	1	08/12/19	WB	SW8270D
Hexachlorobenzene	ND	83	ug/L	1	08/12/19	WB	SW8270D
Hexachlorobutadiene	ND	83	ug/L	1	08/12/19	WB	SW8270D
Hexachloroethane	ND	83	ug/L	1	08/12/19	WB	SW8270D
Nitrobenzene	ND	83	ug/L	1	08/12/19	WB	SW8270D
Pentachlorophenol	ND	83	ug/L	1	08/12/19	WB	SW8270D
Pyridine	ND	83	ug/L	1	08/12/19	WB	SW8270D
<b><u>QA/QC Surrogates</u></b>							
% 2,4,6-Tribromophenol	84		%	1	08/12/19	WB	15 - 110 %
% 2-Fluorobiphenyl	75		%	1	08/12/19	WB	30 - 130 %
% 2-Fluorophenol	62		%	1	08/12/19	WB	15 - 110 %
% Nitrobenzene-d5	78		%	1	08/12/19	WB	30 - 130 %
% Phenol-d5	59		%	1	08/12/19	WB	15 - 110 %
% Terphenyl-d14	71		%	1	08/12/19	WB	30 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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C = This parameter is subcontracted.

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.

Asbestos (NYSDOH 198.1 PLM) was analyzed by CT certified lab #PH-0622.

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.



**Phyllis Shiller, Laboratory Director**

**August 13, 2019**

**Official Report Release To Follow**

# Sample Criteria Exceedances Report

## GCD80241 - CT-DEP

Criteria: None

State: CT

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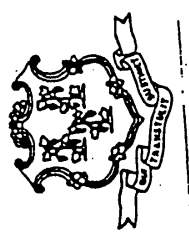
\*\*\* No Data to Display \*\*\*

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 exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

17.2°  
wc/se



WASTE MANAGEMENT BUREAU  
CHAIN OF CUSTODY RECORD



79 Elm Street, Hartford  
Waste Engineering & Enforcement Division TEL: (860) 424-3023

LABORATORY NO.	DATE	TIME	COL #	STATION LOCATION	SAMPLE TYPE		MEDIA TYPE			ANALYSIS REQUIRED				# CONTAINERS	REMARKS
					COMPOSITE	GRAB	LIQUID	SOLID	SLUDGE	TEP	ETPH	PCBs	Asbestos		
80241	8/7/19	1002	Smp 10	Fairfield	X		X	X	X		X	X	X	1	
80242	8/7/19	1021	Smp 9	Fairfield	X		X	X	X		X	X	X	1	
80243	8/7/19	1036	Smp 8	Fairfield	X		X	X	X		X	X	X	1	
80244	8/7/19	1102	Smp 7	Fairfield	X		X	X	X		X	X	X	1	
80245	8/7/19	1155	Smp 6	Fairfield	X		X	X	X		X	X	X	1	
80246	8/7/19	1145	Smp 5	Fairfield	X		X	X	X		X	X	X	1	
80247	8/7/19	1200	Smp 4	Fairfield	X		X	X	X		X	X	X	1	
80248	8/7/19	1215	Smp 3	Fairfield	X		X	X	X		X	X	X	1	
80249	8/7/19	1230	Smp 2	Fairfield	X	X	X	X	X		X	X	X	1	
80250	8/7/19	1245	Smp 11	Fairfield	X		X	X	X		X	X	X	1	3 Dry Tarp Material

Requested by: (Signature)  
 Received by: (Signature)  
 Date: 8/7/19 1552  
 Requested by: (Signature)  
 Received by: (Signature)  
 Date: 8/7/19 1552  
 Requested by: (Signature)  
 Received by: (Signature)

Requested by: (Signature) Date: Time: REMARKS  
 Received by: (Signature) Date: Time: REMARKS

STATE OF CONNECTICUT DEPARTMENT OF  
ENVIRONMENTAL PROTECTION  
BUREAU OF WASTE MANAGEMENT  
WASTE ENGINEERING AND ENFORCEMENT DIVISION  
79 ELM STREET, HARTFORD CT 06106

Funding code # 58132

SAMPLE REQUEST FORM

SITE NAME: Gould Manor Park  
 SITE ADDRESS: 655 Holland Hill Road Fairfield  
 SAMPLER NAME/SIGNATURE: \_\_\_\_\_  
 Phone #: (860) 424-3270 MARK Jepsen @ CT.gov

Lab sample #	Collector's sample #	Date	Sample description/location	Composite	Grab	Comments
	Smp10	8/7/19	Soil	X		
	Smp9	8/7/19	Soil	X		
	Smp8	8/7/19	Soil	X		
	Smp7	8/7/19	Soil	X		
	Smp6	8/7/19	Soil	X		
	Smp5	8/7/19	Soil	X		
	Smp4	8/7/19	Soil	X		
	Smp3	8/7/19	Soil	<del>X</del>	X	
	Smp2	8/7/19	Cement Siding(?)	X		
	Smp11	8/7/19	Soil	X		

Number and type sample container: 9 - 1,000ml Clear Glass  
1 - PLASTIC BAG

Analysis requested:

- 1) RCRA Toxicity Characteristic using the Toxicity Characteristic Leaching Procedure (TCLP) test method.
- 2) Asbestos (type and percent)
- 3) PCBs
- 4) ETPH



**Mark H. Jepsen**  
Environmental Analyst  
Waste Engineering and Enforcement Division

P. 860.424.3270  
F. 860.424.4059

[markjepsen@ct.gov](mailto:markjepsen@ct.gov)

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Connecticut  
Department of

**ENERGY &  
ENVIRONMENTAL  
PROTECTION**

[www.ct.gov/deep](http://www.ct.gov/deep)

GCD 80241

---

**Shannon Wilhelm**

**From:** Jepsen, Mark <Mark.Jepsen@ct.gov>  
**Sent:** Thursday, August 08, 2019 08:21 AM  
**To:** Shannon Wilhelm  
**Cc:** Dews, George  
**Subject:** RE: Samples we received

**Importance:** Low

Hi Shannon,

Thanks for the response. Just so we are speaking the same lingo, we would like to have the samples run for the RCRA toxicity characteristics (i.e., EPA waste codes D004 (arsenic) through D043 (vinyl chloride)) using the TCLP test method which would include the eight RCRA metals and those volatiles, semi-volatiles, pesticides, and herbicides that are identified in Table 1 of 40 CFR 261.24. I hope I haven't made this more complicated. Any questions, let me know.

Mark

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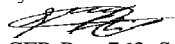
**From:** Shannon Wilhelm [mailto:[shannon@phoenixlabs.com](mailto:shannon@phoenixlabs.com)]  
**Sent:** Wednesday, August 07, 2019 5:20 PM  
**To:** Jepsen, Mark <[Mark.Jepsen@ct.gov](mailto:Mark.Jepsen@ct.gov)>  
**Subject:** Samples we received  
**Importance:** High

Hi Mark,

We received samples today asking for RCRA Toxicity Characteristic using TCLP test method. I just need to clarify if you want us to run a FULL TCLP on all of these (Tclp Semi's, TCLP VOL, TCLP Pests, TCLP Herbs and TCLP 8 Metals) ? Please let me know. Thank you.

Shannon Wilhelm  
Client Services Representative  
Phoenix Environmental Laboratories  
587 East Middle Turnpike  
Manchester CT 06040  
860-645-1102

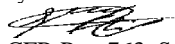
**Eastern Analytical Services, Inc.**  
**Bulk Sample Results**

Date Collected :	08/07/2019	Client:	Phoenix Environmental Laboratories, Inc.
Collected By :	Not Given		P.O. Box 370
Date Received :	08/08/2019		Manchester, CT 06040
Date Analyzed :	08/09/2019		
Analyzed By :	Ghayath Elias		
Signature :			
Analytical Method :	40 CFR Part 763, Sub. E, App. E/NYS-DOH 198.1 (PLM)		
NVLAP Lab Code :	101646-0		
NYS Lab No.	10851		

Sample ID Number	CD80241	CD80242	CD80243	CD80244
Layer Number				
Lab ID Number	2635969	2635970	2635971	2635972
Sample Location	Not Given	Not Given	Not Given	Not Given
Sample Description	Not Given	Not Given	Not Given	Not Given
Method of Quantification	Visual Estimation	Visual Estimation	Visual Estimation	Visual Estimation
Appearance				
Layered	No	No	No	No
Homogenous	No	No	No	No
Fibrous	No	No	No	No
Color	Brown	Brown	Brown	Brown
Sample Treatment	Homogenized	Homogenized	Homogenized	Homogenized
Asbestos Content				
% Amosite	0.0	0.0	0.0	0.0
% Chrysotile	0.0	0.0	0.0	0.0
% Other	0.0	0.0	0.0	0.0
% Total Asbestos	0.0	0.0	0.0	0.0
Other Fibrous Materials Present				
% Fibrous Glass	0.0	0.0	0.0	0.0
% Cellulose	0.0	0.0	0.0	0.0
% Other	0.0	0.0	0.0	0.0
% Unidentified	0.0	0.0	0.0	0.0
Non-Fibrous Materials Present				
% Silicates	10.0	20.0	10.0	10.0
% Carbonates	40.0	40.0	40.0	40.0
% Other	0.0	0.0	0.0	0.0
% Unidentified	50.0	40.0	50.0	50.0

Results Applicable To Those Items Tested. Report Cannot be Reproduced, Except Entirely, Without Written Approval of the Laboratory.  
 Liability Limited To Cost Of Analysis. This Report Must Not be Used by the Client to Claim Product Endorsement by NVLAP or Any Agency of the US Government.  
 These Results Can Not Be Used To Claim That NOB Items Tested Are Non-Asbestos Containing. Overall Lab Accuracy ± 17%. Samples received in acceptable condition unless otherwise noted.  
 AIHA Accreditation No. 100263 Rhode Island DOH No. AAL-072 Massachusetts DOL No. A A 000072 Connecticut DOH No. PH-0622 Maine DEP No. LA-024 Vermont DOH No. AL-709936

**Eastern Analytical Services, Inc.**  
**Bulk Sample Results**

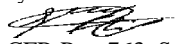
Date Collected : 08/07/2019  
 Collected By : Not Given  
 Date Received : 08/08/2019  
 Date Analyzed : 08/09/2019  
 Analyzed By : Ghayath Elias  
 Signature :   
 Analytical Method : 40 CFR Part 763, Sub. E, App. E/NYS-DOH 198.1 (PLM)  
 NVLAP Lab Code : 101646-0  
 NYS Lab No. 10851

Client: Phoenix Environmental Laboratories, Inc.  
 P.O. Box 370  
 Manchester, CT 06040

Sample ID Number	CD80245	CD80246	CD80247	CD80248
Layer Number				
Lab ID Number	2635973	2635974	2635975	2635976
Sample Location	Not Given	Not Given	Not Given	Not Given
Sample Description	Not Given	Not Given	Not Given	Not Given
Method of Quantification	Visual Estimation	Visual Estimation	Visual Estimation	Visual Estimation
Appearance				
Layered	No	No	No	No
Homogenous	No	No	No	No
Fibrous	No	No	No	No
Color	Brown	Brown	Brown	Brown/Black
Sample Treatment	Homogenized	Homogenized	Homogenized	Homogenized
Asbestos Content				
% Amosite	0.0	0.0	0.0	0.0
% Chrysotile	0.0	0.0	0.0	0.0
% Other	0.0	0.0	0.0	0.0
% Total Asbestos	0.0	0.0	0.0	0.0
Other Fibrous Materials Present				
% Fibrous Glass	0.0	0.0	0.0	0.0
% Cellulose	0.0	0.0	0.0	0.0
% Other	0.0	0.0	0.0	0.0
% Unidentified	0.0	0.0	0.0	0.0
Non-Fibrous Materials Present				
% Silicates	20.0	10.0	10.0	20.0
% Carbonates	50.0	40.0	40.0	40.0
% Other	0.0	0.0	0.0	0.0
% Unidentified	30.0	50.0	50.0	40.0

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**Eastern Analytical Services, Inc.**  
**Bulk Sample Results**

Date Collected : 08/07/2019  
 Collected By : Not Given  
 Date Received : 08/08/2019  
 Date Analyzed : 08/09/2019  
 Analyzed By : Ghayath Elias  
 Signature :   
 Analytical Method : 40 CFR Part 763, Sub. E, App. E/NYS-DOH 198.1 (PLM)  
 NVLAP Lab Code : 101646-0  
 NYS Lab No. 10851

Client: Phoenix Environmental Laboratories, Inc.  
 P.O. Box 370  
 Manchester, CT 06040

Sample ID Number	CD80249	CD80250
Layer Number		
Lab ID Number	2635977	2635978
Sample Location	Not Given	Not Given

Sample Description	Not Given	Not Given
--------------------	-----------	-----------

Method of Quantification	Point Count	Visual Estimation
Appearance Layered	No	No
Homogenous	No	No
Fibrous	Yes	No
Color	Gray/White	Brown

Sample Treatment	Homogenized	Homogenized
Asbestos % Amosite	0.0	0.0
Content % Chrysotile	8.8	0.0
% Other	0.0	0.0
% Total Asbestos	8.8	0.0
Other Fibrous % Fibrous Glass	0.0	0.0
Materials % Cellulose	0.0	0.0
Present % Other	0.0	0.0
% Unidentified	0.0	0.0
Non-Fibrous % Silicates	0.0	10.0
Materials % Carbonates	0.0	50.0
Present % Other	0.0	0.0
% Unidentified	91.2	40.0

Results Applicable To Those Items Tested. Report Cannot be Reproduced, Except Entirely, Without Written Approval of the Laboratory.  
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