

APPENDIX F - POLYLCHLORINATED BIPHENYL (PCB) DOCUMENTATION

TABLE 1PCB SAMPLE SUMMARY141 Danbury Road, Wilton, CT

			CONCENTRATION
SAIVIPLE NOIVIBER	MATERIAL DESCRIPTION	MATERIAL LOCATION	Total PCBs (ppm)
PCB-1	Caulk, gray	Roof, west side, west end, on metal duct work	ND < 0.18
PCB-2	Caulk, black	Roof, west side, east end, roof edge by stairs	ND < 0.15
PCB-3	Caulk, gray	Exterior, east building, south side, window	ND < 0.18
PCB-4	Caulk, white	Exterior, east building, east side, entrance door	ND < 0.15
PCB-5	Caulk, brown	Exterior, east building, east side, expansion joint on brick	ND < 0.11
PCB-6	Caulk, gray	Exterior, west building, west side, window	ND < 0.25
	·	USEPA level of PCB content in material defined as PCB bulk waste:	<u>></u> 50

NOTES:

1. PPM = Parts per million

2. ND < 0.18 = Results are non-detect and below reporting limit



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Attn: r Anthony rani G A GeoEnvironmental Inc inding roo Drive uite Glaston ury ro ect ID: DG ID: G ample ID s:

his la oratory is in compliance with the E A re uirements of procedures used e cept where indicated

his report contains results for the parameters tested under the sampling conditions descri ed on the hain f ustody as received y the la oratory his report is incomplete unless all pages indicated in the pagination at the ottom of the page are included

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

A scanned version of the form accompanies the analytical report and is an e act duplicate of the original

If you are the client a ove and have any uestions concerning this testing please do not hesitate to contact hoeni lient ervices at e t he contents of this report cannot e discussed with anyone other than the client listed a ove without their written consent

incerely yours

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Sample Id Cross Reference

April 01, 2021

SDG I.D.: GCH85863

Project ID:

Client Id	Lab Id	Matrix
PCB-1	CH85863	CAULK
PCB-2	CH85864	CAULK
PCB-3	CH85865	CAULK
PCB-4	CH85866	CAULK
PCB-5	CH85867	CAULK
PCB-6	CH85868	CAULK



Analysis I April 01,	Report 2021	FOR:	Attn: Mr. Anthony Tr GZA GeoEnvironme 655 Winding Brook Suite 402 Glastonbury, CT 060	ani ental Inc Drive 033	
Sample Information		Custody Inform	nation	Date	<u>Time</u>
Matrix:	CAULK	Collected by:	AT	03/25/21	12:40
Location Code:	GZA-PCB	Received by:	LB	03/25/21	14:57
Rush Request:	Standard	Analyzed by:	see "By" below		

Laboratory Data

SDG ID: GCH85863 Phoenix ID: CH85863

Project ID:

P.O.#:

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				03/26/21 H	HH/KL/A	NSW3540C
o hlet							
PCB-1016	ND	0.18	mg/kg	1	03/29/21	SC	SW8082A
PCB-1221	ND	0.18	mg/kg	1	03/29/21	SC	SW8082A
PCB-1232	ND	0.18	mg/kg	1	03/29/21	SC	SW8082A
PCB-1242	ND	0.18	mg/kg	1	03/29/21	SC	SW8082A
PCB-1248	ND	0.18	mg/kg	1	03/29/21	SC	SW8082A
PCB-1254	ND	0.18	mg/kg	1	03/29/21	SC	SW8082A
PCB-1260	ND	0.18	mg/kg	1	03/29/21	SC	SW8082A
PCB-1262	ND	0.18	mg/kg	1	03/29/21	SC	SW8082A
PCB-1268	ND	0.18	mg/kg	1	03/29/21	SC	SW8082A
A urrogates							
% DCBP	72		%	1	03/29/21	SC	30 - 150 %
% DCBP (Confirmation)	58		%	1	03/29/21	SC	30 - 150 %
% TCMX	59		%	1	03/29/21	SC	30 - 150 %
% TCMX (Confirmation)	54		%	1	03/29/21	SC	30 - 150 %

Project ID:					Pł	noeni	x I.D.: CH85	863
Client ID: PCB-1								
		RL/						
Parameter	Result	PQL	Units	Dilution	Date/Time	By	Reference	
Parameter	Result	PQL	Units	Dilution	Date/Time	Ву	Reference	-

omments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

PCB Comment: Due to limited sample an elevated RL was reported.

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

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.

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Analysis I April 01,	2021	FOR:	Attn: Mr. Anthony Tr GZA GeoEnvironme 655 Winding Brook Suite 402 Glastonbury, CT 060	ani ental Inc Drive 033		
Sample Information		Custody Inform	nation	Date Time		
Matrix:	CAULK	Collected by:	AT	03/25/21	12:45	
Location Code:	GZA-PCB	Received by:	LB	03/25/21	14:57	
Rush Request:	Standard	Analyzed by:	see "By" below			

Laboratory Data

SDG ID: GCH85863 Phoenix ID: CH85864

Project ID:

P.O.#:

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				03/26/21	HH/KL/A	NSW3540C
o hlet							
PCB-1016	ND	0.15	mg/kg	1	03/29/21	SC	SW8082A
PCB-1221	ND	0.15	mg/kg	1	03/29/21	SC	SW8082A
PCB-1232	ND	0.15	mg/kg	1	03/29/21	SC	SW8082A
PCB-1242	ND	0.15	mg/kg	1	03/29/21	SC	SW8082A
PCB-1248	ND	0.15	mg/kg	1	03/29/21	SC	SW8082A
PCB-1254	ND	0.15	mg/kg	1	03/29/21	SC	SW8082A
PCB-1260	ND	0.15	mg/kg	1	03/29/21	SC	SW8082A
PCB-1262	ND	0.15	mg/kg	1	03/29/21	SC	SW8082A
PCB-1268	ND	0.15	mg/kg	1	03/29/21	SC	SW8082A
A urrogates							
% DCBP	49		%	1	03/29/21	SC	30 - 150 %
% DCBP (Confirmation)	58		%	1	03/29/21	SC	30 - 150 %
% TCMX	35		%	1	03/29/21	SC	30 - 150 %
% TCMX (Confirmation)	46		%	1	03/29/21	SC	30 - 150 %

		RL/					
Parameter	Result	PQL	Units	Dilution	Date/Time	Ву	Reference

omments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

PCB Comment:

For PCBs, in order to reach the desired RL, multiple cleanup steps were performed. The extract was cleaned up with a combination of sulfuric acid, potassium permanganate, copper powder and additional florisil.

PCB Comment:

Due to limited sample an elevated RL was reported.

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

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.

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Analysis I April 01,	Report 2021	FOR:	FOR: Attn: Mr. Anthony Trani GZA GeoEnvironmental Inc 655 Winding Brook Drive Suite 402 Glastonbury, CT 06033					
Sample Information		Custody Inform	nation	Date	<u>Time</u>			
Matrix:	CAULK	Collected by:	AT	03/25/21	12:50			
Location Code:	GZA-PCB	Received by:	LB	03/25/21	14:57			
Rush Request:	Standard	Analyzed by:	see "By" below					

Laboratory Data

SDG ID: GCH85863 Phoenix ID: CH85865

Project ID:

P.O.#:

		RL/					
Parameter	Result	PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				03/26/21	HH/KL/A	NSW3540C
o hlet							
PCB-1016	ND	0.18	mg/kg	1	03/30/21	SC	SW8082A
PCB-1221	ND	0.18	mg/kg	1	03/30/21	SC	SW8082A
PCB-1232	ND	0.18	mg/kg	1	03/30/21	SC	SW8082A
PCB-1242	ND	0.18	mg/kg	1	03/30/21	SC	SW8082A
PCB-1248	ND	0.18	mg/kg	1	03/30/21	SC	SW8082A
PCB-1254	ND	0.18	mg/kg	1	03/30/21	SC	SW8082A
PCB-1260	ND	0.18	mg/kg	1	03/30/21	SC	SW8082A
PCB-1262	ND	0.18	mg/kg	1	03/30/21	SC	SW8082A
PCB-1268	ND	0.18	mg/kg	1	03/30/21	SC	SW8082A
A urrogates							
% DCBP	53		%	1	03/30/21	SC	30 - 150 %
% DCBP (Confirmation)	56		%	1	03/30/21	SC	30 - 150 %
% TCMX	44		%	1	03/30/21	SC	30 - 150 %
% TCMX (Confirmation)	46		%	1	03/30/21	SC	30 - 150 %

Project ID:					Pho	oenix	I.D.: CH85865
Client ID: PCB-3							
		RL/					
Parameter	Result	PQL	Units	Dilution	Date/Time	Ву	Reference

omments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

PCB Comment: Due to limited sample an elevated RL was reported.

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

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.

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Analysis Report April 01, 2021		FOR:	FOR: Attn: Mr. Anthony Trani GZA GeoEnvironmental Inc 655 Winding Brook Drive Suite 402 Glastonbury, CT 06033					
Sample Information		Custody Inform	nation	Date	<u>Time</u>			
Matrix:	CAULK	Collected by:	AT	03/25/21	12:55			
Location Code:	GZA-PCB	Received by:	LB	03/25/21	14:57			
Rush Request:	Standard	Analyzed by:	see "By" below					

Laboratory Data

SDG ID: GCH85863 Phoenix ID: CH85866

Project ID:

P.O.#:

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				03/26/21 H	HH/KL/A	NSW3540C
o hlet							
PCB-1016	ND	0.15	mg/kg	1	03/29/21	SC	SW8082A
PCB-1221	ND	0.15	mg/kg	1	03/29/21	SC	SW8082A
PCB-1232	ND	0.15	mg/kg	1	03/29/21	SC	SW8082A
PCB-1242	ND	0.15	mg/kg	1	03/29/21	SC	SW8082A
PCB-1248	ND	0.15	mg/kg	1	03/29/21	SC	SW8082A
PCB-1254	ND	0.15	mg/kg	1	03/29/21	SC	SW8082A
PCB-1260	ND	0.15	mg/kg	1	03/29/21	SC	SW8082A
PCB-1262	ND	0.15	mg/kg	1	03/29/21	SC	SW8082A
PCB-1268	ND	0.15	mg/kg	1	03/29/21	SC	SW8082A
A urrogates							
% DCBP	47		%	1	03/29/21	SC	30 - 150 %
% DCBP (Confirmation)	48		%	1	03/29/21	SC	30 - 150 %
% TCMX	40		%	1	03/29/21	SC	30 - 150 %
% TCMX (Confirmation)	40		%	1	03/29/21	SC	30 - 150 %

Project ID:					Pho	penix	I.D.: CH85866
Client ID: PCB-4							
		RL/					
Parameter	Result	PQL	Units	Dilution	Date/Time	Ву	Reference

omments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

PCB Comment: Due to limited sample an elevated RL was reported.

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

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.

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Analysis Report April 01, 2021		FOR:	FOR: Attn: Mr. Anthony Trani GZA GeoEnvironmental Inc 655 Winding Brook Drive Suite 402 Glastonbury, CT 06033					
Sample Information		Custody Inform	nation	Date	<u>Time</u>			
Matrix:	CAULK	Collected by:	AT	03/25/21	13:00			
Location Code:	GZA-PCB	Received by:	LB	03/25/21	14:57			
Rush Request: Standard		Analyzed by:	see "By" below					

Laboratory Data

SDG ID: GCH85863 Phoenix ID: CH85867

Project ID:

P.O.#:

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	Ву	Reference
Caulk Extraction for PCB	Completed				03/26/21 H	HH/KL/A	NSW3540C
o hlet							
PCB-1016	ND	0.11	mg/kg	1	03/31/21	SC	SW8082A
PCB-1221	ND	0.11	mg/kg	1	03/31/21	SC	SW8082A
PCB-1232	ND	0.11	mg/kg	1	03/31/21	SC	SW8082A
PCB-1242	ND	0.11	mg/kg	1	03/31/21	SC	SW8082A
PCB-1248	ND	0.11	mg/kg	1	03/31/21	SC	SW8082A
PCB-1254	ND	0.11	mg/kg	1	03/31/21	SC	SW8082A
PCB-1260	ND	0.11	mg/kg	1	03/31/21	SC	SW8082A
PCB-1262	ND	0.11	mg/kg	1	03/31/21	SC	SW8082A
PCB-1268	ND	0.11	mg/kg	1	03/31/21	SC	SW8082A
A urrogates							
% DCBP	33		%	1	03/31/21	SC	30 - 150 %
% DCBP (Confirmation)	43		%	1	03/31/21	SC	30 - 150 %
% TCMX	30		%	1	03/31/21	SC	30 - 150 %
% TCMX (Confirmation)	37		%	1	03/31/21	SC	30 - 150 %

		RL/					
Parameter	Result	PQL	Units	Dilution	Date/Time	Ву	Reference

omments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

PCB Comment:

For PCBs, due to matrix interference from non target compounds in the sample an elevated RL was reported. Multiple cleanup steps were performed but were unsuccessful. The extract was cleaned up with a combination of sulfuric acid, potassium permanganate, copper powder and additional florisil.

PCB Comment:

Due to limited sample an elevated RL was reported.

PCB Comment:

For PCBs, in order to reach the desired RL, multiple cleanup steps were performed. The extract was cleaned up with a combination of sulfuric acid, potassium permanganate, copper powder and additional florisil.

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

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.

hyllis hiller a oratory Director April 1 1 eviewed and eleased y: ashmi a ol ro ect anager



Analysis Report April 01, 2021		FOR:	FOR: Attn: Mr. Anthony Trani GZA GeoEnvironmental Inc 655 Winding Brook Drive Suite 402 Glastonbury, CT 06033					
Sample Information		Custody Inform	nation	Date	<u>Time</u>			
Matrix:	CAULK	Collected by:	AT	03/25/21	13:05			
Location Code:	GZA-PCB	Received by:	LB	03/25/21	14:57			
Rush Request:	Standard	Analyzed by:	see "By" below					

Laboratory Data

SDG ID: GCH85863 Phoenix ID: CH85868

Project ID:

P.O.#:

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				03/26/21 H	HH/KL/A	NSW3540C
o hlet							
PCB-1016	ND	0.25	mg/kg	1	03/30/21	SC	SW8082A
PCB-1221	ND	0.25	mg/kg	1	03/30/21	SC	SW8082A
PCB-1232	ND	0.25	mg/kg	1	03/30/21	SC	SW8082A
PCB-1242	ND	0.25	mg/kg	1	03/30/21	SC	SW8082A
PCB-1248	ND	0.25	mg/kg	1	03/30/21	SC	SW8082A
PCB-1254	ND	0.25	mg/kg	1	03/30/21	SC	SW8082A
PCB-1260	ND	0.25	mg/kg	1	03/30/21	SC	SW8082A
PCB-1262	ND	0.25	mg/kg	1	03/30/21	SC	SW8082A
PCB-1268	ND	0.25	mg/kg	1	03/30/21	SC	SW8082A
A urrogates							
% DCBP	72		%	1	03/30/21	SC	30 - 150 %
% DCBP (Confirmation)	56		%	1	03/30/21	SC	30 - 150 %
% TCMX	64		%	1	03/30/21	SC	30 - 150 %
% TCMX (Confirmation)	54		%	1	03/30/21	SC	30 - 150 %

Project ID:					Pho	oenix	I.D.: CH85868
Client ID: PCB-6							
		RL/					
Parameter	Result	PQL	Units	Dilution	Date/Time	Ву	Reference

omments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

PCB Comment: Due to limited sample an elevated RL was reported.

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

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Environmental Laboratories, Inc. 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045

Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

April 01, 2021

QA/QC Data

SDG I.D.: GCH85863

Parameter	Blank	Blk RL		LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 568561 (ug/Kg), C	2C Sam	ple No: C	H86360 10X (CH85	5863, CH85	5864, CI	H85865	, CH85	866, CI	185867	7, CH858	868)	
Polychlorinated Biphenyls												
PCB-1016	ND	170		85	90	5.7	89	86	3.4	40 - 140	30	
PCB-1221	ND	170								40 - 140	30	
PCB-1232	ND	170								40 - 140	30	
PCB-1242	ND	170								40 - 140	30	
PCB-1248	ND	170								40 - 140	30	
PCB-1254	ND	170								40 - 140	30	
PCB-1260	ND	170		110	119	7.9	>200	>200	NC	40 - 140	30	m
PCB-1262	ND	170								40 - 140	30	
PCB-1268	ND	170								40 - 140	30	
% DCBP (Surrogate Rec)	108	%		104	112	7.4	110	117	6.2	30 - 150	30	
% DCBP (Surrogate Rec) (Confirm	105	%		98	106	7.8	110	105	4.7	30 - 150	30	
% TCMX (Surrogate Rec)	91	%		99	100	1.0	99	103	4.0	30 - 150	30	
% TCMX (Surrogate Rec) (Confirm	94	%		100	102	2.0	101	103	2.0	30 - 150	30	

m = This parameter is outside laboratory MS/MSD specified recovery limits.

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 April 01, 2021

Thursday, April 01, 2021

Criteria: None State: CT

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State:	CI						RL	Analvsis
SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	Criteria	Units
CH85863	\$PCB_SOXR	PCB-1260	CT / Requested PCB RL /	ND	0.18	0.1	0.1	mg/kg
CH85863	\$PCB_SOXR	PCB-1262	CT / Requested PCB RL /	ND	0.18	0.1	0.1	mg/kg
CH85863	\$PCB_SOXR	PCB-1254	CT / Requested PCB RL /	ND	0.18	0.1	0.1	mg/kg
CH85863	\$PCB_SOXR	PCB-1248	CT / Requested PCB RL /	ND	0.18	0.1	0.1	mg/kg
CH85863	\$PCB_SOXR	PCB-1242	CT / Requested PCB RL /	ND	0.18	0.1	0.1	mg/kg
CH85863	\$PCB_SOXR	PCB-1232	CT / Requested PCB RL /	ND	0.18	0.1	0.1	mg/kg
CH85863	\$PCB_SOXR	PCB-1221	CT / Requested PCB RL /	ND	0.18	0.1	0.1	mg/kg
CH85863	\$PCB_SOXR	PCB-1016	CT / Requested PCB RL /	ND	0.18	0.1	0.1	mg/kg
CH85863	\$PCB_SOXR	PCB-1268	CT / Requested PCB RL /	ND	0.18	0.1	0.1	mg/kg
CH85864	\$PCB_SOXR	PCB-1262	CT / Requested PCB RL /	ND	0.15	0.1	0.1	mg/kg
CH85864	\$PCB_SOXR	PCB-1268	CT / Requested PCB RL /	ND	0.15	0.1	0.1	mg/kg
CH85864	\$PCB_SOXR	PCB-1016	CT / Requested PCB RL /	ND	0.15	0.1	0.1	mg/kg
CH85864	\$PCB_SOXR	PCB-1221	CT / Requested PCB RL /	ND	0.15	0.1	0.1	mg/kg
CH85864	\$PCB_SOXR	PCB-1232	CT / Requested PCB RL /	ND	0.15	0.1	0.1	mg/kg
CH85864	\$PCB_SOXR	PCB-1242	CT / Requested PCB RL /	ND	0.15	0.1	0.1	mg/kg
CH85864	\$PCB_SOXR	PCB-1248	CT / Requested PCB RL /	ND	0.15	0.1	0.1	mg/kg
CH85864	\$PCB_SOXR	PCB-1260	CT / Requested PCB RL /	ND	0.15	0.1	0.1	mg/kg
CH85864	\$PCB_SOXR	PCB-1254	CT / Requested PCB RL /	ND	0.15	0.1	0.1	mg/kg
CH85865	\$PCB_SOXR	PCB-1254	CT / Requested PCB RL /	ND	0.18	0.1	0.1	mg/kg
CH85865	\$PCB_SOXR	PCB-1260	CT / Requested PCB RL /	ND	0.18	0.1	0.1	mg/kg
CH85865	\$PCB_SOXR	PCB-1262	CT / Requested PCB RL /	ND	0.18	0.1	0.1	mg/kg
CH85865	\$PCB_SOXR	PCB-1268	CT / Requested PCB RL /	ND	0.18	0.1	0.1	mg/kg
CH85865	\$PCB_SOXR	PCB-1248	CT / Requested PCB RL /	ND	0.18	0.1	0.1	mg/kg
CH85865	\$PCB_SOXR	PCB-1016	CT / Requested PCB RL /	ND	0.18	0.1	0.1	mg/kg
CH85865	\$PCB_SOXR	PCB-1221	CT / Requested PCB RL /	ND	0.18	0.1	0.1	mg/kg
CH85865	\$PCB_SOXR	PCB-1232	CT / Requested PCB RL /	ND	0.18	0.1	0.1	mg/kg
CH85865	\$PCB_SOXR	PCB-1242	CT / Requested PCB RL /	ND	0.18	0.1	0.1	mg/kg
CH85866	\$PCB_SOXR	PCB-1254	CT / Requested PCB RL /	ND	0.15	0.1	0.1	mg/kg
CH85866	\$PCB_SOXR	PCB-1232	CT / Requested PCB RL /	ND	0.15	0.1	0.1	mg/kg
CH85866	\$PCB_SOXR	PCB-1221	CT / Requested PCB RL /	ND	0.15	0.1	0.1	mg/kg
CH85866	\$PCB_SOXR	PCB-1016	CT / Requested PCB RL /	ND	0.15	0.1	0.1	mg/kg
CH85866	\$PCB_SOXR	PCB-1248	CT / Requested PCB RL /	ND	0.15	0.1	0.1	mg/kg
CH85866	\$PCB_SOXR	PCB-1260	CT / Requested PCB RL /	ND	0.15	0.1	0.1	mg/kg
CH85866	\$PCB_SOXR	PCB-1262	CT / Requested PCB RL /	ND	0.15	0.1	0.1	mg/kg
CH85866	\$PCB_SOXR	PCB-1268	CT / Requested PCB RL /	ND	0.15	0.1	0.1	mg/kg
CH85866	\$PCB_SOXR	PCB-1242	CT / Requested PCB RL /	ND	0.15	0.1	0.1	mg/kg
CH85867	\$PCB_SOXR	PCB-1248	CT / Requested PCB RL /	ND	0.11	0.1	0.1	mg/kg
CH85867	\$PCB_SOXR	PCB-1016	CT / Requested PCB RL /	ND	0.11	0.1	0.1	mg/kg
CH85867	\$PCB_SOXR	PCB-1262	CT / Requested PCB RL /	ND	0.11	0.1	0.1	mg/kg

Thursday, April 01, 2021

Criteria: None

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State:	СТ		o o <i>n</i>				RI	Analysis
SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	Criteria	Units
CH85867	\$PCB_SOXR	PCB-1254	CT / Requested PCB RL /	ND	0.11	0.1	0.1	mg/kg
CH85867	\$PCB_SOXR	PCB-1268	CT / Requested PCB RL /	ND	0.11	0.1	0.1	mg/kg
CH85867	\$PCB_SOXR	PCB-1242	CT / Requested PCB RL /	ND	0.11	0.1	0.1	mg/kg
CH85867	\$PCB_SOXR	PCB-1232	CT / Requested PCB RL /	ND	0.11	0.1	0.1	mg/kg
CH85867	\$PCB_SOXR	PCB-1221	CT / Requested PCB RL /	ND	0.11	0.1	0.1	mg/kg
CH85867	\$PCB_SOXR	PCB-1260	CT / Requested PCB RL /	ND	0.11	0.1	0.1	mg/kg
CH85868	\$PCB_SOXR	PCB-1262	CT / Requested PCB RL /	ND	0.25	0.1	0.1	mg/kg
CH85868	\$PCB_SOXR	PCB-1260	CT / Requested PCB RL /	ND	0.25	0.1	0.1	mg/kg
CH85868	\$PCB_SOXR	PCB-1254	CT / Requested PCB RL /	ND	0.25	0.1	0.1	mg/kg
CH85868	\$PCB_SOXR	PCB-1248	CT / Requested PCB RL /	ND	0.25	0.1	0.1	mg/kg
CH85868	\$PCB_SOXR	PCB-1242	CT / Requested PCB RL /	ND	0.25	0.1	0.1	mg/kg
CH85868	\$PCB_SOXR	PCB-1232	CT / Requested PCB RL /	ND	0.25	0.1	0.1	mg/kg
CH85868	\$PCB_SOXR	PCB-1016	CT / Requested PCB RL /	ND	0.25	0.1	0.1	mg/kg
CH85868	\$PCB_SOXR	PCB-1268	CT / Requested PCB RL /	ND	0.25	0.1	0.1	mg/kg
CH85868	\$PCB_SOXR	PCB-1221	CT / Requested PCB RL /	ND	0.25	0.1	0.1	mg/kg

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.

REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Phoenix Environmental Labs, Inc.

Project Location: PCB-1

Laboratory Sample ID(s): CH85863-CH85868

Client: GZA GeoEnvironmental Inc Project Number: Sampling Date(s): 3/25/2021

List RCP Methods Used (e.g., 8260, 8270, et cetera) 8082

4		
I	For each analytical method referenced in this laboratory report package, were all specified	
	QA/QC performance criteria followed, including the requirement to explain any criteria	
	failing outside of acceptable guidelines, as specified in the CT DEP method-specific	
	Reasonable Confidence Protocol documents?	
1A	Were the method specified preservation and holding time requirements met?	
		⊻ Yes ∟ No
1B	VPH and EPH methods only: Was the VPH or EPH method conducted without	
	significant modifications (see section 11.3 of respective RCP methods)	\Box Yes \Box No
		🗹 NA
2	Ware all complex received by the laboratory in a condition consistent with that described on	
2	the associated Chain of Custody decument(a)?	
	the associated Cham-of-Custody document(s):	
-		
3	Were samples received at an appropriate temperature (< 6 Degrees C)?	✓ Yes □ No
		NT A
		∐ NA
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence	
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	□ NA ✓ Yes □ No
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	└ NA ✓ Yes □ No
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	└──NA ✓ Yes □ No
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved? a) Were reporting limits specified or referenced on the chain-of-custody?	□ NA ✓ Yes □ No □ Yes ✓ No
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved? a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met?	□ NA ✓ Yes □ No □ Yes ✓ No
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved? a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met?	 □ NA ✓ Yes □ No ○ Yes ☑ No ✓ Yes □ No
4 5	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved? a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met? For each analytical method referenced in this laboratory report package, were results	 □ NA ✓ Yes □ No ○ Yes ☑ No ✓ Yes □ No
4 5 6	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved? a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met? For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the	 □ NA ✓ Yes □ No ○ Yes □ No ✓ Yes □ No ✓ Yes □ No
4 5 6	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved? a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met? For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	 □ NA ✓ Yes □ No ○ Yes □ No ✓ Yes □ No ✓ Yes □ No
4 5 6	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved? a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met? For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	 □ NA ✓ Yes □ No ○ Yes □ No ✓ Yes □ No ✓ Yes □ No
4 5 6	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved? a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met? For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	 □ NA ✓ Yes □ No ○ Yes □ No ✓ Yes □ No ✓ Yes □ No
4 5 6 7	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved? a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met? For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents? Are project-specific matrix spikes and laboratory duplicates included in the data set?	 □ NA ✓ Yes □ No ○ Yes □ No ✓ Yes □ No ✓ Yes □ No ✓ Yes □ No
4 5 6 7	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved? a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met? For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents? Are project-specific matrix spikes and laboratory duplicates included in the data set?	 □ NA ✓ Yes □ No ○ Yes □ No ✓ Yes □ No ✓ Yes □ No ✓ Yes □ No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence". This form may not be altered and all questions must be answered.

 I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

 Authorized Signature:
 Restantion Name:
 Position:
 Project Manager

 Printed Name:
 Rashmi Makol
 Date:
 Thursday, April 01, 2021

 Name of Laboratory
 Phoenix Environmental Labs, Inc.

This certification form is to be used for RCP methods only.

CTDEP RCP Laboratory Analysis QA/QC Certification Form - November 2007 Laboratory Quality Assurance and Quality Control Guidance Reasonable Confidence Protocols





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RCP Certification Report

April 01, 2021

SDG I.D.: GCH85863

SDG Comments

PCB Comment:

Due to limited sample an elevated RL was reported.

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument:

<u>A E D1 11</u>

Saadia Chudary, Chemist 03/29/21

CH85866 (1X)

The initial calibration (PC222AI) RSD for the compound list was less than 20% except for the following compounds: None. The initial calibration (PC222BI) RSD for the compound list was less than 20% except for the following compounds: None. The continuing calibration %D for the compound list was less than 15% except for the following compounds:None.

<u>A E D1 11</u>

Saadia Chudary, Chemist 03/30/21

CH85865 (1X)

AED

The initial calibration (PC222AI) RSD for the compound list was less than 20% except for the following compounds: None. The initial calibration (PC222BI) RSD for the compound list was less than 20% except for the following compounds: None. The continuing calibration %D for the compound list was less than 15% except for the following compounds:None.

11 Saadia Chudary, Chemist 03/29/21

CH85863 (1X), CH85864 (1X), CH85868 (1X)

The initial calibration (PC122AI) RSD for the compound list was less than 20% except for the following compounds: None. The initial calibration (PC122BI) RSD for the compound list was less than 20% except for the following compounds: None. The continuing calibration %D for the compound list was less than 15% except for the following compounds:None.

<u>AED 11</u>

Saadia Chudary, Chemist 03/30/21

CH85867 (1X)

The initial calibration (PC121AI) RSD for the compound list was less than 20% except for the following compounds: None. The initial calibration (PC121BI) RSD for the compound list was less than 20% except for the following compounds: None. The continuing calibration %D for the compound list was less than 15% except for the following compounds:None.

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CH85863, CH85864, CH85865, CH85866, CH85867, CH85868

All LCS recoveries were within 40 - 140 with the following exceptions: None. All LCSD recoveries were within 40 - 140 with the following exceptions: None. All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Temperature Narration

The samples were received at 5.6C with cooling initiated. (Note acceptance criteria for relevant matrices is above freezing up to 6°C)

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Coo Coolant: IPK	Temp ℃, Ø ^C Data Delivery/Co	Fax: Phone:						007	A SI	0 10 10 10 10 10 10 10 10 10 10 10 10 10	(50 / 50 / 1 × 1 × 1 × 1 × 1 × 1 × 1 × 1 × 1 × 1											P Certification	V-2 0 S-1 10% CALC	V-3	GW-1 S-1 GW-2 S-1 GW-3	2 GW-1 🔲 S-2 GW-2 🛄 S-2 GW-3 8 GW-1 🗍 S-3 GW-2 🗍 S-3 GW-3	/ Protecton	rere collected: CT	
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		JEI VI A ental Laborate		H2 LI H2 LI H2 LI LI LI LI LI LI LI LI LI LI LI LI LI L	219 2	Erens	Client Sample - Info	Inthe Ta	er GW =Ground Water SE=Sediment SL=Slud	X =(Oth	Customer Sam	Pc8-1	PC8-2	RB-3	pc8-4	PCB-5	PcB-6		-		Acc	· *			al Requirements or Re			lered site samples and will	d.
		Environm		Customer:	Audress.			Sampler's Signature	<u>Matrix Code:</u> DW=Drinking Wat RW=Raw Water 3	B=Bulk L=Liquid	PHOENIX USE ONI SAMPIF#	85813	85864	858a5	85800	85807	BEZOX				Relinguished by	Cm the r			Comments, Spec	Ichar 2		*MS/MSD are consid	with the prces quote



APPENDIX G - QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONAL





Education

B.S., 1993, Geology, University of New Hampshire M.S., 1997, Geology, Virginia Tech

Licenses & Registrations

Registered Professional Geologist, 2005, TN, 5120 Licensed Environmental Professional, 2007, 473

Areas of Specialization

- Connecticut Transfer Act
- Connecticut Remediation Standard Regulations
- Phase I, II & III
- Underground Storage Tank Regulations
- Remedial Oversight
- Brownfields Redevelopment

Adam T. Henry, P.G., LEP

Associate Principal

Summary of Experience

Mr. Henry is a CT Licensed Environmental Professional and an Associate Principal with over twenty years of experience. In this position he oversees site assessments, investigations, underground storage tank removals and remediation oversight and implementation. He also works closely with lenders, developers, business owners and attorneys to complete their environmental due diligence during real estate acquisitions, divestiture and refinancing. In addition, Mr. Henry specializes in environmental transactions that involve the Connecticut Transfer Act and works closely with both real estate and environmental attorneys to satisfy the requirements of those regulations. Mr. Henry also has conducted investigation and remediation at several facilities in Connecticut under State and Federal Brownfields programs.

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Relevant Project Experience

Associate Principal, City of New Haven Brownfields Projects. GZA was retained by the First Calvary Baptist Church, the recipient of an EPA grant through the City of New Haven, to conduct supplemental environmental investigations at a former dry cleaner and design and implement a remedial action plan to achieve compliance under the Connecticut Transfer Act. An engineered control consisting of an impermeable liner was installed over soils impacted with petroleum and solvents to prevent infiltration of rainwater and the majority of the property was then paved to prevent exposure to underlying impacted soils. GZA, under Mr. Henry's direction is working with the City of New Haven and St. Luke's Episcopal Church to conduct Phase I and Phase II Environmental Site Assessments and Hazardous Building Material Surveys of four parcels adjacent to the church that were planned for redevelopment. The properties had a long history of use by automotive-related businesses and were fully occupied by tenants during the study which presented a significant challenge. Mr. Henry worked with the tenants and the church to accommodate their concerns and conducted the work on an expedited schedule to meet the church's funding requirements.

Lender Environmental Due Diligence - over 100 locations- predominantly Connecticut. Responsible for conducting and overseeing site assessments for several of Connecticut's fastest growing locally owned banks. A variety of environmental assignments were completed, including environmental transaction screenings, Phase I Environmental Site Assessments, 3rd Party Report Reviews, Limited Site Investigations, Underground Storage Tank Evaluations and Removal, coordination and oversight of contaminated soil removals, and preparation of remedial estimates. Property types have run a broad gamut from undeveloped tracts being evaluated as possible housing developments to commercial and retail sites to a wide array of low- and high-impact industrial operations.

Project Manager, Multi-Phase Environmental Site Assessment of two Industrial Laundromats, Confidential in Connecticut. Project Manager for Phase I, Phase II and Phase III assessments on two facilities owned by a major uniform service company as part of its acquisition by a national corporation. Developed Conceptual Site Models for both locations and prepared Transfer Act filings. An initial conceptual site model was



Adam T. Henry, P.G., LEP

Associate Principal

developed and after extensive soil and groundwater sampling, remediation was performed by excavation of soil. Both Sites were successfully closed under the Property Transfer Program.

Project Manager, Wiremold, Rocky Hill. Project Manager for investigation and remediation of a **92,500-square foot industrial building formerly used for the manufacture of guns**. Tasks included development and implementation of a Remedial Action Plan to address contaminated soils and groundwater through source removal and in-situ chemical oxidation. Prepared an Environmental Land Use Restriction to prohibit residential use of the property and demolition of the building. The Site was successfully closed under the Property Transfer Program.

Environmental Auditing Team - Yale University (including Yale Medical School). Responsible for auditing the University's aboveground and underground storage tanks and UST management program as part of USEPA Region-wide enforcement initiative directed at universities. Worked closely with Director of Yale's Department of Environmental Health & Safety to identify and correct compliance issues related to the University's USTs.

Project Manager, Multi-Phase Environmental Site Assessment and Reclassification of Groundwater, Confidential Client, Connecticut. Project Manager for assessment and investigation of a 5.6-acre parcel that contains a 61,000-square foot manufacturing building that was occupied from the 1940s until 2004 by an aerospace manufacturer. Assessment of the site began in 2005 and an application to change the groundwater classification at the site was accepted by the CTDEEP in March 2006. An initial conceptual site model was developed and based on several rounds of soil, soil vapor and groundwater sampling, a remedial action plan was developed, the Site remediated and the LEP Verification accepted in 2015.

UST Audit - **Hartford Hospital**. Responsible for auditing the Hospital's aboveground and underground storage tanks and UST management program as part of a municipal capital refinancing process. Worked closely with Director of Hartford Hospital's Director of Engineering to identify and correct compliance issues related to the Hospital's USTs.

Project Manager, Phase I, II, and UST Removal, Confidential Client – Springfield, Massachusetts. Project Manager for Phase I, Phase II and UST Removal from a former auto garage. Significant off-site groundwater impacts were identified and a Downgradient Property Status was obtained from the Massachusetts DEP.

Project Manager, Multi-Phase Environmental Site Assessment and Soil Remediation, Town of Westport, Municipal Acquisition. Project Manager for Phase I site assessment, Phase II subsurface investigation, and subsequent additional investigation to determine the extent and degree of pesticide contamination on a former commercial rose farm that the town proposed to develop as a parking lot. Remediation involved the removal of over 1,500 tons of impacted soil for off-site disposal. Development of the site for use as a parking lot was completed by the Town of Westport in 2004.

Project Manager, Multi-Phase Environmental Site Assessment, Soil Remediation and ELUR, Confidential Client, Connecticut. Project Manager for assessment and investigation of a 2.6-acre manufacturing facility in southern Connecticut. An initial conceptual site model was developed and after extensive soil, soil vapor, and groundwater sampling, remediation was performed and a draft ELUR was submitted to the CTDEEP for review.

Project Manager, University of New Haven, West Haven, Connecticut. Project Manager for campus wide environmental assessment in support of financing for construction of a new residence hall. In coordination with the University and their development team, Mr. Henry completed Phase I and II assessments, conducted soil remediation and tank closure, decommissioned transformers, designed and implemented groundwater monitoring and prepared investigation summary reports, and is currently overseeing a program of groundwater monitoring for impacted related to releases of petroleum products.

Project Manager, World Color Northeast Graphics, North Haven, Connecticut. Project Manager for the closure and investigation/remediation of a 400,000-square foot printing facility. Mr. Henry completed Phase I, II and III assessments, developed and implemented a Remedial Action Plan to address contaminated soils identified under the building floor and in areas outside the

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Adam T. Henry, P.G., LEP

Associate Principal

facility. Mr. Henry was also responsible for overseeing the decontamination and removal of various equipment and piping form inside the facility as part of facility closure operations and overseeing RCRA closure of a less than 90-day storage area. Performed compliance level groundwater monitoring and prepared an Environmental Land Use Restriction to preclude residential use of the property. The LEP Verification accepted in 2014.

Site Work Related to UST Removals– over 100 locations – predominantly Connecticut. Responsible for overseeing the removal of underground storage tanks ranging in size from 500-gallons to 15,000-gallons and containing fuel oil, diesel fuel or gasoline. Locations ranged from residences to gasoline stations to manufacturers and removals often included soil remediation followed by long term groundwater monitoring.

Sikorsky Memorial Airport, Stratford, Connecticut. Project Manager for environmental investigation of airport for developer planning to redevelop terminal and hangers. Tasks to be completed prior to development included development of a soil management plan and removal of underground storage tanks.

Former Handy & Harman Refinery, Fairfield, Connecticut. Project Manager for the redevelopment of an historical manufacturing site to a Whole Foods Supermarket. Responsibilities include evaluating final remedial action reports and negotiating future environmental obligations with the CTDEP and the Town of Fairfield. Provided expert testimony to Town of Fairfield Inland Wetlands Commission.

Hilliard Mills, Manchester, Connecticut. Project Manager for the investigation and remediation of an approximately 300-year-old woolen mill. Assisted client with acquiring funding from the Department of Economic and Community Development for environmental cleanup.

Former Caval Tool & Machine, Newington, Connecticut. Project Manager for the investigation and remediation of an approximately 50-year-old, approximately 60,000 square-foot former aerospace manufacturer. Responsible for Groundwater Reclassification Application, Phase I through Phase III Environmental Site Assessments, Remedial Action Plan development, development of environmental plans and specifications, construction monitoring for environmental issues and design/installation of a sub-slab depressurization system.

Publications and Presentations

Evaluation and Mitigation of Potential Vapor Intrusion at a Former Aerospace Manufacturer in Newington, Connecticut, GZA GeoEnvironmental Technical Conference, March 2007.

Environmental Issues: Residential and Commercial Real Estate Transactions, An Update co-presenter with David Brandwein, Principal of ERL, for First American Title Insurance Seminars, Teleconference, June 13, 2006.

Due Diligence For Commercial Purchase and Financial Transactions in Connecticut -- Environmental Issues: The Technical/Consultant's Perspective, co-presenter with David Brandwein, Principal of ERL, for Lorman Educational Services Seminar, Hartford, CT, May 21, 2003.

Environmental Issues: Residential and Commercial Real Estate Transactions, co-presenter with David Brandwein, Principal of ERL, for First American Title Insurance Seminars, Hartford, CT, November 13, 2002; Darien, CT, November 14, 2002.

"Connecticut Transfer Act Amendments Change Real Property Disclosure Laws" *Environmental Compliance & Litigation Strategy*, October 2001.

"Changes to the Connecticut Transfer Act May Impact Many" New England Real Estate Journal, June 2001.

Affiliations/Memberships

• Environmental Professionals' Organization of Connecticut – Board Member and Member of Continuing Education Committee

GZA GeoEnvironmental, Inc. Known for excellence. Built on trust.



GZA GeoEnvironmental, Inc.