SUMMARY OF RECLAMATION YARD INSPECTION

Week No.: 7 Inspection Date: November 10, 2016

Logical Environmental Solutions, LLC (LES) visited the Reclamation Yard operated by Julian Enterprises located at the end of Richard White Way in Fairfield for the seventh weekly inspection on November 10, 2016. Julian had removed approximately one-half of the pile of screened soil that had been placed along the southern portion of the property. They had moved one screener closer to the base of this pile and were running material through the screener prior to loading it into trucks for offsite use. Julian had moved three of the screeners further southeast of the main pile and were processing different material for offsite reuse.

The top of the main pile had several additional piles of newer soil, and a soil sample (S-7) was collected for laboratory analyses of volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), petroleum hydrocarbons, polychlorinated biphenyls (PCBs), and leachable (TCLP) CTDEEP 15 metals. Additional new soil along the northeast side of the pile was present and sample S-8 was collected from this material. The table on the following page summarizes the results of the S-7 and S-8 sample analyses and a copy of the laboratory report is included at the end of this memorandum.

The S-7 and S-8 soil samples did not contain detectable concentrations of VOCs, petroleum hydrocarbons, or PCBs. The S-7 sample contained trace concentrations of SVOCs typically associated with asphalt that did not exceed the CTDEEP Remediation Standard Regulation criteria. The S-8 sample did not contain detectable concentrations of SVOCs. Both samples contained trace concentrations of leachable metals at low concentrations that do not exceed any CTDEEP criteria.

Photographs on the following page display the observed changes to the property. Additional soil samples will be collected throughout the duration of Julian's occupation of the site until December 15, 2016. Please let me know if you should have any questions.

Cindy Knight

Cindy Knight, LEP
Logical Environmental Solutions, LLC
Office: 860-870-1780
Mobile: 860-402-7069
Email: ck@logicalenvironmental.com

Long-stick excavator in background atop smaller pile of previously screened material. Julian is running material from this pile through one screener and has moved the larger screening operation further to the southeast away from the base of the main pile.

New soil piles on the top of the main pile. Location of S-7 sample.

Newer soil piles on the northeast side of the main pile. Location of S-8 sample from gray to dark-brown soil.

Soil Samples Collected November 10, 2016
Reclamation Yard – Fairfield, Connecticut

Sample I.D.:	S-7	S-8	CTDEEP PMC GB Groundwater Area	CTDEEP DEC Residential/Commercial & Industrial
CT ETPH - (mg/kg)	< 57	< 56	2,500 mg/kg	500/2,500 mg/kg
VOCs - Method 8260 (mg/kg)	ND	ND	--	--
SVOCs - Method 8270 (mg/kg)				
Chrysene	0.27	< 0.26	1 mg/kg (APS)	1,000/2,500 mg/kg
Fluoranthene	0.43	< 0.26	56 mg/kg	/kg
Pyrene	0.4	< 0.26	40 mg/kg	1,000/2,500 mg/kg
All other SVOCs Tested	ND	D	--	--
PCBs – Method 8082 (mg/kg)	< 0.37	< 0.37	Not Applicable	1/10 mg/kg
TCLP DEEP 15 Metals (mg/L)				Not Applicable
Barium	0.019	0.039	10 mg/L	
Vanadium	< 0.01	0.011	0.5 mg/L	

ND – Not Detected above laboratory detection limits.

NA – Not Analyzed for this procedure.

PMC – Pollutant Mobility Criteria

DEC – Direct Exposure Criteria

APS – Additional Polluting Substance

The compounds listed above are those that were detected - please see laboratory reports for full lists of compounds and their specific detection limits.

PHOENIX
Environmental Laboratories, Inc.

Tuesday, November 15, 2016

Attn: Ms. Cindy Knight
Logical Environmental Solutions
354 South River Road
Tolland CT 06084

Project ID: FAIRFIELD TOWN RECLAMATION YARD
Sample ID#s: BV80302 - BV80303

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

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

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

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

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

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

Analysis Report

November 15, 2016

FOR: Attn: Ms. Cindy Knight
Logical Environmental Solutions
354 South River Road
Tolland CT 06084

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	CK	11/10/16	7:00
Location Code:	LOGICAL	Received by:	LB	11/10/16	11:09
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBV80302
Phoenix ID: BV80302

Project ID: FAIRFIELD TOWN RECLAMATION YARD
Client ID: S-7

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
SPLP Silver	< 0.010	0.010	mg/L	1	11/12/16	LK	SW6010C
SPLP Arsenic	< 0.004	0.004	mg/L	1	11/12/16	LK	SW6010C
SPLP Barium	0.019	0.010	mg/L	1	11/12/16	LK	SW6010C
SPLP Beryllium	< 0.001	0.001	mg/L	1	11/12/16	LK	SW6010C
SPLP Cadmium	< 0.005	0.005	mg/L	1	11/12/16	LK	SW6010C
SPLP Chromium	< 0.010	0.010	mg/L	1	11/12/16	LK	SW6010C
SPLP Copper	< 0.010	0.010	mg/L	1	11/12/16	LK	SW6010C
SPLP Mercury	< 0.0005	0.0005	mg/L	1	11/11/16	RS	SW7470A
SPLP Nickel	< 0.010	0.010	mg/L	1	11/12/16	LK	SW6010C
SPLP Lead	< 0.010	0.010	mg/L	1	11/12/16	LK	SW6010C
SPLP Antimony	< 0.005	0.005	mg/L	1	11/12/16	LK	SW6010C
SPLP Selenium	< 0.020	0.020	mg/L	1	11/12/16	LK	SW6010C
SPLP Thallium	< 0.005	0.005	mg/L	1	11/12/16	LK	SW6010C
SPLP Vanadium	< 0.010	0.010	mg/L	1	11/12/16	LK	SW6010C
SPLP Zinc	< 0.010	0.010	mg/L	1	11/12/16	LK	SW6010C
SPLP Metals Digestion	Completed				11/11/16	W/W	SW3005A
Percent Solid	87		%		11/10/16	W	SW846-%Solid
Soil Extraction for PCB	Completed				11/10/16	JJ/V	SW3545A
Soil Extraction for SVOA	Completed				11/10/16	G/J/CKV	SW3545A
Extraction of CT ETPH	Completed				11/10/16	JC/CKV	SW3545A
SPLP Digestion Mercury	Completed				11/11/16	W/W	SW1312/SW7470A
SPLP Extraction for Metals	Completed				11/10/16	W	SW1312
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	57	mg/Kg	1	11/14/16	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	11/14/16	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	79		%	1	11/14/16	JRB	50 - 150 %

Ver 1

Project ID: FAIRFIELD TOWN RECLAMATION YARD
Client ID: S-7

Phoenix I.D.: BV80302

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Polychlorinated Biphenyls							
PCB-1016	ND	370	ug/Kg	10	11/11/16	AW	SW8082A
PCB-1221	ND	370	ug/Kg	10	11/11/16	AW	SW8082A
PCB-1232	ND	370	ug/Kg	10	11/11/16	AW	SW8082A
PCB-1242	ND	370	ug/Kg	10	11/11/16	AW	SW8082A
PCB-1248	ND	370	ug/Kg	10	11/11/16	AW	SW8082A
PCB-1254	ND	370	ug/Kg	10	11/11/16	AW	SW8082A
PCB-1260	ND	370	ug/Kg	10	11/11/16	AW	SW8082A
PCB-1262	ND	370	ug/Kg	10	11/11/16	AW	SW8082A
PCB-1268	ND	370	ug/Kg	10	11/11/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	92		%	10	11/11/16	AW	30 - 150 %
% TCMX	79		%	10	11/11/16	AW	30 - 150 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
1,2,4-Trichlorobenzene	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
1,2-Dichlorobenzene	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
1,2-Diphenylhydrazine	ND	380	ug/Kg	1	11/11/16	DD	SW8270D
1,3-Dichlorobenzene	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
1,4-Dichlorobenzene	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
2,4,5-Trichlorophenol	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
2,4,6-Trichlorophenol	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
2,4-Dichlorophenol	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
2,4-Dimethylphenol	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
2,4-Dinitrophenol	ND	380	ug/Kg	1	11/11/16	DD	SW8270D
2,4-Dinitrotoluene	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
2,6-Dinitrotoluene	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
2-Chloronaphthalene	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
2-Chlorophenol	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
2-Methylnaphthalene	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
2-Methylphenol (o-cresol)	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
2-Nitroaniline	ND	380	ug/Kg	1	11/11/16	DD	SW8270D
2-Nitrophenol	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	380	ug/Kg	1	11/11/16	DD	SW8270D
3,3'-Dichlorobenzidine	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
3-Nitroaniline	ND	380	ug/Kg	1	11/11/16	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	380	ug/Kg	1	11/11/16	DD	SW8270D
4-Bromophenyl phenyl ether	ND	380	ug/Kg	1	11/11/16	DD	SW8270D
4-Chloro-3-methylphenol	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
4-Chloroaniline	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
4-Nitroaniline	ND	600	ug/Kg	1	11/11/16	DD	SW8270D
4-Nitrophenol	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
Acenaphthene	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
Acenaphthylene	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
Acetophenone	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
Aniline	ND	380	ug/Kg	1	11/11/16	DD	SW8270D
Anthracene	ND	260	ug/Kg	1	11/11/16	DD	SW8270D

Project ID: FAIRFIELD TOWN RECLAMATION YARD
Client ID: S-7

Phoenix I.D.: BV80302

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Benz(a)anthracene	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
Benzidine	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
Benzo(a)pyrene	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
Benzo(b)fluoranthene	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
Benzo(ghi)perylene	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
Benzo(k)fluoranthene	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
Benzoic acid	ND	750	ug/Kg	1	11/11/16	DD	SW8270D
Benzyl butyl phthalate	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
Bis(2-chloroethyl)ether	ND	380	ug/Kg	1	11/11/16	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
Carbazole	ND	380	ug/Kg	1	11/11/16	DD	SW8270D
Chrysene	270	260	ug/Kg	1	11/11/16	DD	SW8270D
Dibenz(a,h)anthracene	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
Dibenzofuran	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
Diethyl phthalate	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
Dimethylphthalate	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
Di-n-butylphthalate	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
Di-n-octylphthalate	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
Fluoranthene	430	260	ug/Kg	1	11/11/16	DD	SW8270D
Fluorene	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
Hexachlorobenzene	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
Hexachlorobutadiene	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
Hexachlorocyclopentadiene	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
Hexachloroethane	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
Isophorone	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
Naphthalene	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
Nitrobenzene	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
N-Nitrosodimethylamine	ND	380	ug/Kg	1	11/11/16	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
N-Nitrosodiphenylamine	ND	380	ug/Kg	1	11/11/16	DD	SW8270D
Pentachloronitrobenzene	ND	380	ug/Kg	1	11/11/16	DD	SW8270D
Pentachlorophenol	ND	380	ug/Kg	1	11/11/16	DD	SW8270D
Phenanthrene	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
Phenol	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
Pyrene	400	260	ug/Kg	1	11/11/16	DD	SW8270D
Pyridine	ND	380	ug/Kg	1	11/11/16	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	89		%	1	11/11/16	DD	30 - 130 %
% 2-Fluorobiphenyl	67		%	1	11/11/16	DD	30 - 130 %
% 2-Fluorophenol	51		%	1	11/11/16	DD	30 - 130 %
% Nitrobenzene-d5	67		%	1	11/11/16	DD	30 - 130 %
% Phenol-d5	63		%	1	11/11/16	DD	30 - 130 %
% Terphenyl-d14	72		%	1	11/11/16	DD	30 - 130 %

Project ID: FAIRFIELD TOWN RECLAMATION YARD
Client ID: S-7

Phoenix I.D.: BV80302

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

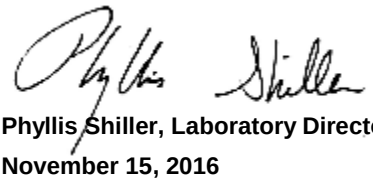
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

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

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



Phyllis Shiller, Laboratory Director
November 15, 2016
Reviewed and Released by: Ethan Lee, Project Manager

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

Analysis Report

November 15, 2016

FOR: Attn: Ms. Cindy Knight
Logical Environmental Solutions
354 South River Road
Tolland CT 06084

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	CK	11/10/16	7:05
Location Code:	LOGICAL	Received by:	LB	11/10/16	11:09
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBV80302
Phoenix ID: BV80303

Project ID: FAIRFIELD TOWN RECLAMATION YARD
Client ID: S-8

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
SPLP Silver	< 0.010	0.010	mg/L	1	11/12/16	LK	SW6010C
SPLP Arsenic	< 0.004	0.004	mg/L	1	11/12/16	LK	SW6010C
SPLP Barium	0.039	0.010	mg/L	1	11/12/16	LK	SW6010C
SPLP Beryllium	< 0.001	0.001	mg/L	1	11/12/16	LK	SW6010C
SPLP Cadmium	< 0.005	0.005	mg/L	1	11/12/16	LK	SW6010C
SPLP Chromium	< 0.010	0.010	mg/L	1	11/12/16	LK	SW6010C
SPLP Copper	< 0.010	0.010	mg/L	1	11/12/16	LK	SW6010C
SPLP Mercury	< 0.0005	0.0005	mg/L	1	11/11/16	RS	SW7470A
SPLP Nickel	< 0.010	0.010	mg/L	1	11/12/16	LK	SW6010C
SPLP Lead	< 0.010	0.010	mg/L	1	11/12/16	LK	SW6010C
SPLP Antimony	< 0.005	0.005	mg/L	1	11/12/16	LK	SW6010C
SPLP Selenium	< 0.020	0.020	mg/L	1	11/12/16	LK	SW6010C
SPLP Thallium	< 0.005	0.005	mg/L	1	11/12/16	LK	SW6010C
SPLP Vanadium	0.011	0.010	mg/L	1	11/12/16	LK	SW6010C
SPLP Zinc	< 0.010	0.010	mg/L	1	11/12/16	LK	SW6010C
SPLP Metals Digestion	Completed				11/11/16	W/W	SW3005A
Percent Solid	88		%		11/10/16	W	SW846-%Solid
Soil Extraction for PCB	Completed				11/10/16	JJ/V	SW3545A
Soil Extraction for SVOA	Completed				11/10/16	G/J/CKV	SW3545A
Extraction of CT ETPH	Completed				11/10/16	JC/CKV	SW3545A
SPLP Digestion Mercury	Completed				11/11/16	W/W	SW1312/SW7470A
SPLP Extraction for Metals	Completed				11/10/16	W	SW1312
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	56	mg/Kg	1	11/11/16	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	11/11/16	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	67		%	1	11/11/16	JRB	50 - 150 %

Ver 1

Project ID: FAIRFIELD TOWN RECLAMATION YARD
Client ID: S-8

Phoenix I.D.: BV80303

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Polychlorinated Biphenyls							
PCB-1016	ND	370	ug/Kg	10	11/11/16	AW	SW8082A
PCB-1221	ND	370	ug/Kg	10	11/11/16	AW	SW8082A
PCB-1232	ND	370	ug/Kg	10	11/11/16	AW	SW8082A
PCB-1242	ND	370	ug/Kg	10	11/11/16	AW	SW8082A
PCB-1248	ND	370	ug/Kg	10	11/11/16	AW	SW8082A
PCB-1254	ND	370	ug/Kg	10	11/11/16	AW	SW8082A
PCB-1260	ND	370	ug/Kg	10	11/11/16	AW	SW8082A
PCB-1262	ND	370	ug/Kg	10	11/11/16	AW	SW8082A
PCB-1268	ND	370	ug/Kg	10	11/11/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	82		%	10	11/11/16	AW	30 - 150 %
% TCMX	72		%	10	11/11/16	AW	30 - 150 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
1,2,4-Trichlorobenzene	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
1,2-Dichlorobenzene	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
1,2-Diphenylhydrazine	ND	370	ug/Kg	1	11/11/16	DD	SW8270D
1,3-Dichlorobenzene	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
1,4-Dichlorobenzene	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
2,4,5-Trichlorophenol	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
2,4,6-Trichlorophenol	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
2,4-Dichlorophenol	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
2,4-Dimethylphenol	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
2,4-Dinitrophenol	ND	370	ug/Kg	1	11/11/16	DD	SW8270D
2,4-Dinitrotoluene	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
2,6-Dinitrotoluene	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
2-Chloronaphthalene	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
2-Chlorophenol	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
2-Methylnaphthalene	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
2-Methylphenol (o-cresol)	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
2-Nitroaniline	ND	370	ug/Kg	1	11/11/16	DD	SW8270D
2-Nitrophenol	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	370	ug/Kg	1	11/11/16	DD	SW8270D
3,3'-Dichlorobenzidine	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
3-Nitroaniline	ND	370	ug/Kg	1	11/11/16	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	370	ug/Kg	1	11/11/16	DD	SW8270D
4-Bromophenyl phenyl ether	ND	370	ug/Kg	1	11/11/16	DD	SW8270D
4-Chloro-3-methylphenol	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
4-Chloroaniline	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
4-Nitroaniline	ND	600	ug/Kg	1	11/11/16	DD	SW8270D
4-Nitrophenol	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
Acenaphthene	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
Acenaphthylene	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
Acetophenone	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
Aniline	ND	370	ug/Kg	1	11/11/16	DD	SW8270D
Anthracene	ND	260	ug/Kg	1	11/11/16	DD	SW8270D

Project ID: FAIRFIELD TOWN RECLAMATION YARD
Client ID: S-8

Phoenix I.D.: BV80303

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Benz(a)anthracene	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
Benzidine	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
Benzo(a)pyrene	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
Benzo(b)fluoranthene	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
Benzo(ghi)perylene	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
Benzo(k)fluoranthene	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
Benzoic acid	ND	750	ug/Kg	1	11/11/16	DD	SW8270D
Benzyl butyl phthalate	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
Bis(2-chloroethyl)ether	ND	370	ug/Kg	1	11/11/16	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
Carbazole	ND	370	ug/Kg	1	11/11/16	DD	SW8270D
Chrysene	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
Dibenz(a,h)anthracene	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
Dibenzofuran	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
Diethyl phthalate	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
Dimethylphthalate	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
Di-n-butylphthalate	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
Di-n-octylphthalate	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
Fluoranthene	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
Fluorene	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
Hexachlorobenzene	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
Hexachlorobutadiene	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
Hexachlorocyclopentadiene	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
Hexachloroethane	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
Isophorone	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
Naphthalene	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
Nitrobenzene	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
N-Nitrosodimethylamine	ND	370	ug/Kg	1	11/11/16	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
N-Nitrosodiphenylamine	ND	370	ug/Kg	1	11/11/16	DD	SW8270D
Pentachloronitrobenzene	ND	370	ug/Kg	1	11/11/16	DD	SW8270D
Pentachlorophenol	ND	370	ug/Kg	1	11/11/16	DD	SW8270D
Phenanthrene	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
Phenol	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
Pyrene	ND	260	ug/Kg	1	11/11/16	DD	SW8270D
Pyridine	ND	370	ug/Kg	1	11/11/16	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	83		%	1	11/11/16	DD	30 - 130 %
% 2-Fluorobiphenyl	58		%	1	11/11/16	DD	30 - 130 %
% 2-Fluorophenol	43		%	1	11/11/16	DD	30 - 130 %
% Nitrobenzene-d5	61		%	1	11/11/16	DD	30 - 130 %
% Phenol-d5	54		%	1	11/11/16	DD	30 - 130 %
% Terphenyl-d14	64		%	1	11/11/16	DD	30 - 130 %

Project ID: FAIRFIELD TOWN RECLAMATION YARD
Client ID: S-8

Phoenix I.D.: BV80303

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

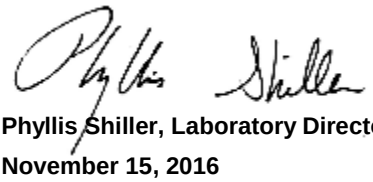
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

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

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



Phyllis Shiller, Laboratory Director
November 15, 2016
Reviewed and Released by: Ethan Lee, Project Manager

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

November 15, 2016

QA/QC Data

SDG I.D.: GBV80302

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 366109 (mg/L), QC Sample No: BV70780 (BV80302, BV80303)													
ICP Metals - SPLP Extraction													
Antimony	BRL	0.005	<0.005	<0.005	NC	99.1			97.9			75 - 125	20
Arsenic	BRL	0.004	<0.004	<0.004	NC	103			102			75 - 125	20
Barium	BRL	0.010	0.023	0.023	NC	108			107			75 - 125	20
Beryllium	BRL	0.001	<0.001	<0.001	NC	108			107			75 - 125	20
Cadmium	BRL	0.005	<0.005	<0.005	NC	105			103			75 - 125	20
Chromium	BRL	0.010	<0.010	<0.010	NC	107			105			75 - 125	20
Copper	BRL	0.010	<0.010	<0.010	NC	105			105			75 - 125	20
Lead	BRL	0.010	<0.010	<0.010	NC	106			106			75 - 125	20
Nickel	BRL	0.010	<0.010	<0.010	NC	106			106			75 - 125	20
Selenium	BRL	0.020	<0.020	<0.020	NC	105			105			75 - 125	20
Silver	BRL	0.010	<0.010	<0.010	NC	104			104			75 - 125	20
Thallium	BRL	0.005	<0.005	<0.005	NC	105			105			75 - 125	20
Vanadium	BRL	0.010	<0.010	<0.010	NC	105			104			75 - 125	20
Zinc	BRL	0.010	<0.010	<0.010	NC	105			105			75 - 125	20
QA/QC Batch 366461 (mg/L), QC Sample No: BV80278 (BV80302, BV80303)													
Mercury - Water	BRL	0.0002	<0.0002	<0.0002	NC	106			95.0			70 - 130	20

Comment:

Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%. MS acceptance range is 75-125%.

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QA/QC Report

November 15, 2016

QA/QC Data

SDG I.D.: GBV80302

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 366273 (ug/Kg), QC Sample No: BV80162 2X (BV80302, BV80303)											
Polychlorinated Biphenyls - Soil											
PCB-1016	ND	33	72	70	2.8	67	52	25.2	40 - 140	30	
PCB-1221	ND	33							40 - 140	30	
PCB-1232	ND	33							40 - 140	30	
PCB-1242	ND	33							40 - 140	30	
PCB-1248	ND	33							40 - 140	30	
PCB-1254	ND	33							40 - 140	30	
PCB-1260	ND	33	74	71	4.1	65	60	8.0	40 - 140	30	
PCB-1262	ND	33							40 - 140	30	
PCB-1268	ND	33							40 - 140	30	
% DCBP (Surrogate Rec)	83	%	95	89	6.5	80	73	9.2	30 - 150	30	
% TCMX (Surrogate Rec)	68	%	82	78	5.0	74	61	19.3	30 - 150	30	
QA/QC Batch 366390 (mg/Kg), QC Sample No: BV80162 (BV80302, BV80303)											
TPH by GC (Extractable Products) - Soil											
Ext. Petroleum H.C.	ND	50	77	71	8.1	91	88	3.4	60 - 120	30	
% n-Pentacosane	84	%	88	82	7.1	107	102	4.8	50 - 150	30	
Comment:											
Additional criteria: LCS acceptance range is 60-120% MS acceptance range 50-150%.											
QA/QC Batch 366272 (ug/Kg), QC Sample No: BV80162 (BV80302, BV80303)											
Semivolatiles - Soil											
1,2,4,5-Tetrachlorobenzene	ND	230	54	63	15.4	59	58	1.7	30 - 130	30	
1,2,4-Trichlorobenzene	ND	230	54	64	16.9	63	59	6.6	30 - 130	30	
1,2-Dichlorobenzene	ND	180	49	58	16.8	58	53	9.0	30 - 130	30	
1,2-Diphenylhydrazine	ND	230	57	73	24.6	71	67	5.8	30 - 130	30	
1,3-Dichlorobenzene	ND	230	46	55	17.8	53	49	7.8	30 - 130	30	
1,4-Dichlorobenzene	ND	230	47	56	17.5	56	51	9.3	30 - 130	30	
2,4,5-Trichlorophenol	ND	230	65	74	12.9	69	68	1.5	30 - 130	30	
2,4,6-Trichlorophenol	ND	130	65	74	12.9	67	68	1.5	30 - 130	30	
2,4-Dichlorophenol	ND	130	62	71	13.5	66	66	0.0	30 - 130	30	
2,4-Dimethylphenol	ND	230	60	68	12.5	61	60	1.7	30 - 130	30	
2,4-Dinitrophenol	ND	230	<10	<10	NC	10	<10	NC	30 - 130	30	l,m
2,4-Dinitrotoluene	ND	130	72	81	11.8	75	77	2.6	30 - 130	30	
2,6-Dinitrotoluene	ND	130	72	80	10.5	73	74	1.4	30 - 130	30	
2-Chloronaphthalene	ND	230	62	70	12.1	66	66	0.0	30 - 130	30	
2-Chlorophenol	ND	230	56	66	16.4	65	61	6.3	30 - 130	30	
2-Methylnaphthalene	ND	230	57	65	13.1	63	61	3.2	30 - 130	30	
2-Methylphenol (o-cresol)	ND	230	61	72	16.5	68	65	4.5	30 - 130	30	
2-Nitroaniline	ND	330	53	69	26.2	67	63	6.2	30 - 130	30	
2-Nitrophenol	ND	230	55	64	15.1	62	60	3.3	30 - 130	30	
3&4-Methylphenol (m&p-cresol)	ND	230	64	73	13.1	70	68	2.9	30 - 130	30	
3,3'-Dichlorobenzidine	ND	130	56	62	10.2	57	55	3.6	30 - 130	30	

QA/QC Data

SDG I.D.: GBV80302

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
3-Nitroaniline	ND	330	60	68	12.5	62	63	1.6	30 - 130	30	
4,6-Dinitro-2-methylphenol	ND	230	20	18	10.5	23	20	14.0	30 - 130	30	l,m
4-Bromophenyl phenyl ether	ND	230	70	77	9.5	71	73	2.8	30 - 130	30	
4-Chloro-3-methylphenol	ND	230	68	75	9.8	72	70	2.8	30 - 130	30	
4-Chloroaniline	ND	230	60	67	11.0	65	62	4.7	30 - 130	30	
4-Chlorophenyl phenyl ether	ND	230	62	72	14.9	67	67	0.0	30 - 130	30	
4-Nitroaniline	ND	230	72	79	9.3	73	74	1.4	30 - 130	30	
4-Nitrophenol	ND	230	62	71	13.5	65	63	3.1	30 - 130	30	
Acenaphthene	ND	230	65	73	11.6	69	68	1.5	30 - 130	30	
Acenaphthylene	ND	130	66	74	11.4	69	70	1.4	30 - 130	30	
Acetophenone	ND	230	57	67	16.1	65	61	6.3	30 - 130	30	
Aniline	ND	330	47	54	13.9	52	48	8.0	30 - 130	30	
Anthracene	ND	230	68	77	12.4	71	74	4.1	30 - 130	30	
Benz(a)anthracene	ND	230	71	79	10.7	75	76	1.3	30 - 130	30	
Benzidine	ND	330	10	12	18.2	<10	<10	NC	30 - 130	30	l,m
Benzo(a)pyrene	ND	130	65	74	12.9	68	69	1.5	30 - 130	30	
Benzo(b)fluoranthene	ND	160	70	76	8.2	70	72	2.8	30 - 130	30	
Benzo(ghi)perylene	ND	230	70	81	14.6	76	75	1.3	30 - 130	30	
Benzo(k)fluoranthene	ND	230	66	76	14.1	70	70	0.0	30 - 130	30	
Benzoic Acid	ND	330	<10	<10	NC	17	11	42.9	30 - 130	30	l,m,r
Benzyl butyl phthalate	ND	230	72	83	14.2	77	83	7.5	30 - 130	30	
Bis(2-chloroethoxy)methane	ND	230	63	73	14.7	68	66	3.0	30 - 130	30	
Bis(2-chloroethyl)ether	ND	130	57	68	17.6	63	58	8.3	30 - 130	30	
Bis(2-chloroisopropyl)ether	ND	230	47	56	17.5	54	51	5.7	30 - 130	30	
Bis(2-ethylhexyl)phthalate	ND	230	69	79	13.5	74	74	0.0	30 - 130	30	
Carbazole	ND	230	67	75	11.3	69	72	4.3	30 - 130	30	
Chrysene	ND	230	71	79	10.7	74	76	2.7	30 - 130	30	
Dibenz(a,h)anthracene	ND	130	68	77	12.4	72	72	0.0	30 - 130	30	
Dibenzofuran	ND	230	65	73	11.6	69	69	0.0	30 - 130	30	
Diethyl phthalate	ND	230	69	78	12.2	73	75	2.7	30 - 130	30	
Dimethylphthalate	ND	230	69	77	11.0	72	72	0.0	30 - 130	30	
Di-n-butylphthalate	ND	230	72	78	8.0	74	77	4.0	30 - 130	30	
Di-n-octylphthalate	ND	230	69	79	13.5	73	75	2.7	30 - 130	30	
Fluoranthene	ND	230	68	74	8.5	70	73	4.2	30 - 130	30	
Fluorene	ND	230	65	76	15.6	71	71	0.0	30 - 130	30	
Hexachlorobenzene	ND	130	66	78	16.7	73	73	0.0	30 - 130	30	
Hexachlorobutadiene	ND	230	52	60	14.3	58	55	5.3	30 - 130	30	
Hexachlorocyclopentadiene	ND	230	59	68	14.2	63	60	4.9	30 - 130	30	
Hexachloroethane	ND	130	46	55	17.8	54	49	9.7	30 - 130	30	
Indeno(1,2,3-cd)pyrene	ND	230	68	78	13.7	73	73	0.0	30 - 130	30	
Isophorone	ND	130	57	65	13.1	62	61	1.6	30 - 130	30	
Naphthalene	ND	230	56	65	14.9	64	61	4.8	30 - 130	30	
Nitrobenzene	ND	130	56	66	16.4	64	60	6.5	30 - 130	30	
N-Nitrosodimethylamine	ND	230	44	53	18.6	52	47	10.1	30 - 130	30	
N-Nitrosodi-n-propylamine	ND	130	61	70	13.7	68	65	4.5	30 - 130	30	
N-Nitrosodiphenylamine	ND	130	69	81	16.0	75	77	2.6	30 - 130	30	
Pentachloronitrobenzene	ND	230	62	72	14.9	69	71	2.9	30 - 130	30	
Pentachlorophenol	ND	230	58	61	5.0	62	58	6.7	30 - 130	30	
Phenanthrene	ND	130	66	75	12.8	70	71	1.4	30 - 130	30	
Phenol	ND	230	59	68	14.2	65	63	3.1	30 - 130	30	
Pyrene	ND	230	69	74	7.0	72	73	1.4	30 - 130	30	
Pyridine	ND	230	31	37	17.6	37	33	11.4	30 - 130	30	
% 2,4,6-Tribromophenol	73	%	62	77	21.6	79	70	12.1	30 - 130	30	

QA/QC Data

SDG I.D.: GBV80302

Parameter	Blank	Blk RL		LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
% 2-Fluorobiphenyl	61	%		61	69	12.3	63	63	0.0	30 - 130	30
% 2-Fluorophenol	50	%		54	64	16.9	60	57	5.1	30 - 130	30
% Nitrobenzene-d5	59	%		58	68	15.9	65	60	8.0	30 - 130	30
% Phenol-d5	59	%		63	73	14.7	69	66	4.4	30 - 130	30
% Terphenyl-d14	66	%		67	72	7.2	69	70	1.4	30 - 130	30

Comment:

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

l = This parameter is outside laboratory LCS/LCSD specified recovery limits.
m = This parameter is outside laboratory MS/MSD specified recovery limits.
r = This parameter is outside laboratory RPD 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
November 15, 2016

Tuesday, November 15, 2016

Criteria: CT: GAM, RC

State: CT

Sample Criteria Exceedances Report

GBV80302 - LOGICAL

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this 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. ***Client:*** Logical Environmental Solutions

Project Location: FAIRFIELD TOWN RECLAMATION Y ***Project Number:***

Laboratory Sample ID(s): BV80302, BV80303 ***Sampling Date(s):*** 11/10/2016

List RCP Methods Used (e.g., 8260, 8270, et cetera) 1311/1312, 6010, 7470/7471, 8082, 8270, ETPH

1	**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 falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?**	☑ Yes ☐ No
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)**	☐ Yes ☐ No ☑ NA
2	**Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?**	☑ Yes ☐ No
3	**Were samples received at an appropriate temperature (< 6 Degrees C)?**	☑ Yes ☐ No ☐ NA
4	**Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents acheived? See Section: SVOA Narration.**	☐ Yes ☑ No
5	**a) Were reporting limits specified or referenced on the chain-of-custody?** **b) Were these reporting limits met?**	☑ Yes ☐ No ☑ Yes ☐ No
6	**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?**	☑ Yes ☐ No
7	**Are project-specific matrix spikes and laboratory duplicates included in the data set?**	☐ 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: Ethan Lee **Position:** Project Manager

Printed Name: Ethan Lee **Date:** Tuesday, November 15, 2016

Name of Laboratory Phoenix Environmental Labs, Inc.

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

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

RCP Certification Report

November 15, 2016

SDG I.D.: GBV80302

ETPH Narration

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

Instrument:

AU-FID11 11/11/16-2 Jeff Bucko, Chemist 11/11/16

BV80303

The initial calibration (ETPHO17I) RSD for the compound list was less than 30% except for the following compounds: None.
The continuing calibration %D for the compound list was less than 30% except for the following compounds:None.

AU-FID11 11/13/16-2 Jeff Bucko, Chemist 11/13/16

BV80302

The initial calibration (ETPHO17I) RSD for the compound list was less than 30% except for the following compounds: None.
As per section 7.2.3, a discrimination check standard was run and contained the following outliers: C36 28.9%L (20%)
The continuing calibration %D for the compound list was less than 30% except for the following compounds:None.

QC (Batch Specific):

Batch 366390 (BV80162)

BV80302, BV80303

All LCS recoveries were within 60 - 120 with the following exceptions: None.
All LCSD recoveries were within 60 - 120 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Mercury Narration

Were all QA/QC performance criteria specified in the analytical method achieved? Yes.

Instrument:

MERLIN 11/11/16 08:30 Rick Schweitzer, Chemist 11/11/16

BV80302, BV80303

The method preparation blank contains all of the acids and reagents as the samples; the instrument blanks do not.
The initial calibration met all criteria including a standard run at or below the reporting level.
All calibration verification standards (ICV, CCV) met criteria.
All calibration blank verification standards (ICB, CCB) met criteria.
The matrix spike sample is used to identify spectral interference for each batch of samples, if within 85-115%, no interference is observed and no further action is taken.
The following Initial Calibration Verification (ICV) compounds did not meet criteria: None.
The following Continuing Calibration Verification (CCV) compounds did not meet criteria: None.

QC (Batch Specific):

Batch 366461 (BV80278)

BV80302, BV80303

All LCS recoveries were within 70 - 130 with the following exceptions: None.
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%. MS acceptance range is 75-125%.

ICP Metals Narration

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

NY # 11301

Certification Report

November 15, 2016

SDG I.D.: GBV80302

ICP Metals Narration

Were all QA/QC performance criteria specified in the analytical method achieved? Yes.

Instrument:

ARCOS 11/12/16 05:29 Laura Kinnin, Chemist 11/12/16

BV80302, BV80303

The linear range is defined daily by the calibration range.
The following Initial Calibration Verification (ICV) compounds did not meet criteria: None.
The following Continuing Calibration Verification (CCV) compounds did not meet criteria: None.
The following ICP Interference Check (ICSAB) compounds did not meet criteria: None.

QC (Batch Specific):

Batch 366109 (BV70780)

BV80302, BV80303

All LCS recoveries were within 75 - 125 with the following exceptions: None.

PCB Narration

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

Instrument:

AU-ECD48 11/11/16-1 Adam Werner, Chemist 11/11/16

BV80302, BV80303

The initial calibration (PC1018AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (PC1018BI) 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.

QC (Batch Specific):

Batch 366273 (BV80162)

BV80302, BV80303

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.

SVOA Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? No.

QC Batch 366272 (Samples: BV80302, BV80303): -----

The QC recoveries for one or more analytes is below the method criteria. A slight low bias is likely. (2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol, Benzidine, Benzoic Acid)

Instrument:

CHEM06 11/10/16-1 Damien Drobinski, Chemist 11/10/16

BV80302, BV80303

The DDT breakdown and pentachlorophenol & benzidine peak tailing were evaluated in the DFTPP tune and were found to be in

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NY # 11301

RCP Certification Report

November 15, 2016

SDG I.D.: GBV80302

SVOA Narration

control.

Initial Calibration Verification (CHEM06/SV_1110):
98% of target compounds met criteria.
The following compounds had %RSDs >20%: Benzidine 22% (20%)
The following compounds did not meet recommended response factors: 2-Nitrophenol 0.076 (0.1), Hexachlorobenzene 0.097 (0.1)
The following compounds did not meet a minimum response factors: None.

Continuing Calibration Verification (CHEM06/1110_13B-SV_1110):
Internal standard areas were within 50 to 200% of the initial calibration with the following exceptions: None.
100% of target compounds met criteria.
The following compounds did not meet % deviation criteria: None.
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet recommended response factors: 2-Nitrophenol 0.078 (0.1), Hexachlorobenzene 0.091 (0.1)
The following compounds did not meet minimum response factors: None.

QC (Batch Specific):

Batch 366272 (BV80162)

BV80302, BV80303

All LCS recoveries were within 30 - 130 with the following exceptions: 2,4-Dinitrophenol(<10%), 4,6-Dinitro-2-methylphenol(20%), Benzidine(10%), Benzoic Acid(<10%)
All LCSD recoveries were within 30 - 130 with the following exceptions: 2,4-Dinitrophenol(<10%), 4,6-Dinitro-2-methylphenol(18%), Benzidine(12%), Benzoic Acid(<10%)
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Temperature Narration

The samples were received at 1C with cooling initiated.
(Note acceptance criteria is above freezing up to 6°C)

Coolant: IPK ☐ ICE ☐ Yes ☑ No ☐ / No ☐

PHOENIX
Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp | °C Pg 1 of 1

Data Delivery:
☐ Fax #:
☒ Email: ckelogicalenvironmental.com

Customer: Logical Environmental Solutions
Address: 354 S. River Rd. Tolland CT 06084

Project: Fairfield Town Reclamation Yard
Report to: Cindy Knight
Invoice to: Town of Fairfield
~~Phone #~~: 725 old Post Rd.
~~Fax #~~: Fairfield CT
email invoice: JMichelangelo@fairfieldct.org

Project P.O:

This section MUST be completed with Bottle Quantities.

Sampler's Signature: [signature] Date: 11/10/16

Client Sample - Information - Identification

Matrix Code:
DW=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
RW=Raw Water **SE**=Sediment **SL**=Sludge **S**=Soil **SD**=Solid **W**=Wipe
OIL=Oil **B**=Bulk **L**=Liquid

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	CTETPH	SVOCs	PCBs	SPLP DEEP IS Metals	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container (8) oz ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ]250ml [ ]500ml [ ]1000ml	PL H2SO4 [ ]250ml [ ]500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria (as is)	Bacteria (w/thio)
80302	S-7	S	11/10/16	7:00	X	X	X	X		1								
80303	S-8	S		7:05	X	X	X	X		1								

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	11-10-16	11:05

Comments, Special Requirements or Regulations:

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☒ Standard
☐ Other
* SURCHARGE APPLIES

RI
☐ Direct Exposure (Residential)
☐ GW
☐ Other

CT
☒ RCP Cert
☐ GW Protection
☐ SW Protection
☒ GA Mobility
☐ GB Mobility
☒ Residential DEC
☐ I/C DEC
☐ Other

MA
☐ MCP Certification
☐ GW-1
☐ GW-2
☐ GW-3
☐ S-1
☐ S-2
☐ S-3
☐ MWRA eSMART
☐ Other

State where samples were collected: CT

Data Format
☐ Excel
☒ PDF
☐ GIS/Key
☐ EQuIS
☐ Other

Data Package
☐ Tier II Checklist
☐ Full Data Package*
☒ Phoenix Std Report
☐ Other
* SURCHARGE APPLIES