Remedial Action Report
Estate of Harriet Clark/Former Moxley Auto Body
172 Stage Road, South Pomfret, VT
(VT DEC SMS Site #2009-3994)

A Facility Owned By:
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Trustee for the Estate of Harriet Clark
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Prepared for:
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Cliff Harper, CPG, Principal

November 12, 2014

TABLE OF CONTENTS

Executive Summary

On December 18, 2013, the Environmental Protection Agency (EPA) approved a remedial action plan prepared by Harper Environmental Associates (HEA) to address polychlorinated biphenyl (PCB) contamination of concrete and soil at the Clark residence, located at 172 Stage Road in South Pomfret, Vermont . The contamination is thought to have derived from past use and storage of PCB-containing waste oil at the property. The objective of cleanup and disposal efforts was to reduce/remove levels of PCBs in concrete and soil to <0.22 mg/kg (per the EPA's Regional Screening Levels [RSLs]). Two remedial action plans were implemented, successfully, with this aim.

In the first action, 11 tons of contaminated concrete floor material were removed from the garage and disposed at the Chemical Waste Management facility in Model City, New York (hazardous material) and the Casella facility in Coventry, Vermont (non-hazardous material). In the second remedial action, 77 tons of soil was removed and disposed at the Mount Carberry Landfill, Berlin, New Hampshire; and at the Casella facility in Coventry, Vermont.

After verification soil sampling, which resulted in compliance with the RSLs, the site was backfilled, covered with landscape fabric at 2 feet below grade, covered with loam, seeded and mulched.

1.0 Background and Introduction

On December 18, 2013, the Environmental Protection Agency (EPA) approved a workplan prepared by Harper Environmental Associates (HEA) for a Self-Implementing Cleanup and Disposal Plan to address polychlorinated biphenyls (PCB) concrete and soil contamination at the Estate of Harriet Clark located at 172 Stage Road in South Pomfret, Vermont . A historic release of liquids from a steel, 1,000-gallon, waste oil, underground storage tank (UST) is believed to be the contamination source for PCB impact to soil as well as the north side, concrete floor of the garage bay.

Due to the 'high occupancy area' designation of this site, the proposed cleanup standard for this project is 0.22 mg/kg of PCBs. The EPA Regional Screening Level (RSL; May 2010) for Aroclor-1260 PCB in residential soil is 0.22 mg/kg; this standard is used by Vermont Agency of Natural Resources as a target cleanup goal.

1.1 Site Background

On September 23, 2009, HEA removed a 1,000-gallon waste oil UST at the site, which was found to be in poor condition. Two soil samples taken from each end of the tank cradle were sent to Phoenix Environmental Laboratories, Inc. for analyses. The soil samples were analyzed for

volatile organic compounds (VOCs), semi- volatile organic compounds (SVOCs), PCB, RCRA 8 metals and cyanide.

The soil analytical results indicated an exceedance of the EPA RSL residential soil standards for lead, arsenic, and PCB-1260. Both soil samples had levels of PCB-1260 that exceeded the RSL residential soil standards. A full description of the site's history has been submitted by HEA in a plan entitled "**Self-Implementing Cleanup and Disposal of PCB –Impacted Concrete", September 24, 2013.**

1.2 Site Location

The site is located on the north side of Stage Road in South Pomfret, Vermont. The site is currently used as a residential property with two existing buildings located onsite, including a residence with a connected garage and a small storage shed located along the western edge of the site. The property is currently vacant. A large unpaved parking area for the Suicide Six Ski Area abuts Stage Road to the southwest. Open farm land/fields and forested land are found along the northern boundary of the site, and the residence at 104 Stage Road is located approximately 250 feet to the east. A Site Locus Map and a Site Map are included as Figures 1 and 2, respectively.

The properties surrounding the site are developed as residential and commercial properties. The site is serviced by a private septic system, located behind the residence and a private water supply well located in front of the garage between the house and the driveway. No municipal water supply wells are located within 1,000 feet of the site. Barnard Brook is located approximately 500 feet to the south of the site.

1.3 Nature of Contamination

HEA believes that the PCB present at the site is a result of car undercoating activities employing PCB-contaminated waste oil, and from spillage during transfer of the same. Mr. Steven Moxley of Windsor, VT, the son of Maurice Moxley, was interviewed by HEA via telephone in 2009 about the use of the waste oil UST located at his father's business. He indicated that his father filled the waste oil UST with oil change fluid from only the vehicles he serviced. Steven Moxley continued to state that his father used the contents of the waste oil UST to undercoat customer vehicles every fall.

Spillage onto the surrounding soil was corroborated during observation of the UST closure activity. HEA reported that the UST had no apparent leakage, and that the outside of the tank under the fill pipe was stained. Furthermore, as reported in the October 14, 2009 Tank Closure Report submitted to the Vermont Department of Environmental Conservation

(VTDEC), there was evidence of a black, oily liquid located under the fill pipe end of the tank observed during the removal activity.

According to the interviews, the elder Moxley undercoated vehicles in two places at the garage; inside the right side bay and just outside the bay to the right of the garage door. His son stated that the majority of the undercoating was completed inside the garage. Additionally, a floor drain was identified by Mr. Moxley as existing in the center of the north bay of the garage. The floor drain was found to be connected to the onsite residential septic waste line. The floor drain was closed by HEA on October 26, 2010.

1.4 Current Use and Proposed Site Use

The property has been used as a residence since the house was built. Moxley's business was never registered in the Town of Pomfret Vermont. Over the past several years, the house has been listed for sale and has remained unoccupied, although it has continued to be maintained. The property is being sold as a residence and has attracted several potential buyers. It is believed that the site will continue to be used as a residence.

1.5 Objectives of the Cleanup Plan

The objectives of the cleanup plan are to reduce to an acceptable level the risk to human health caused by contamination at the site.

- Reduce the levels of PCB contamination in soils located around the former tank pit and the former vehicle drying area to <0.22 mg/kg based on 40 CFR 61.61(a) and the EPA RSLs. Soils have been excavated and properly disposed.
- Reduce the levels of PCB contamination in concrete located in the north side vehicle bay to <0.22 mg/kg based on 40 CFR 61.61(a) and the EPA RSLs. Concrete has been removed and properly disposed. Complete verification sampling of outside soils and soils beneath the garage bay to verify PCB cleanup has occurred, as per EPA standards.

2.0 Remedial Action Plans

Two remedial actions were successfully undertaken at the site. The concrete from the right-side (north) garage floor was removed, disposed and replaced between January 24 and April 28, 2014; the soil from outside the garage and from the vehicle drying area was removed, disposed and backfilled between May 16 and September 25, 2014.

2.1 Removal of the Concrete Floor from the Garage

The following steps were completed during the removal and disposal of the concrete floor from the garage:

- There were no deviations from the December 18, 2013 submitted workplan.

- A Health and Safety Plan for the remedial action was implemented to govern the safety aspects associated with the excavation and loading of the concrete.

- All onsite workers were 40-hour OSHA trained and donned Level C personal protective equipment (PPE), including full suits, gloves, hoods, booties, and dust cartridges/half face respirators.

- The floor inside the northern bay of the Clark's garage and the wall located behind the former bench were pre-marked with paint indicating the extent of the removal action (Appendix A: photographs).

- The indoor work area was contained from the remainder of the garage using plastic walls with a double-door entry. All dust generated from the saw-cutting of the floor was contained in the temporary containment area. Personnel were cleaned of dust prior to exiting the work area by means of mechanical methods and pressurized air.

- The concrete floor was saw-cut using a walk behind concrete floor saw and a hand-held concrete saw. All excavated surfaces were continuously wetted with water to minimize the production of dust.

- A 6' by 4' section of concrete floor located around the sampling point PS-3 (Figure 3), including the concrete lip along the wall, was removed separately and prior to other remedial actions in the garage. This area was removed in small pieces, placed in drums, labeled, and disposed of separately by AccuWorx as a RCRA hazardous waste. The disposal manifest can be found in Appendix B.

- The concrete floor located in the north bay of the garage was cut into manageable sections by means of a concrete saw, and the pieces were loaded into a dump truck for disposal. The disposal tonnage of the non-hazardous concrete was ~11.2 tons. The related disposal manifest can be found in Appendix B; photographs can be seen in Appendix A.

- A portion of the north wall (wallboard) was removed as non-hazardous waste and placed in the dump truck.

- Verification sampling was completed (sampling the sub-floor soil under the concrete) for PCBs according to the locations designated in HEA's approved plan. These locations are shown in Figure 4 and in the site photographs in Appendix A.

- Five discrete soil samples were collected from the surface of the sub-floor and analyzed using EPA Method 8082: PCBs by Gas Chromatography. All five of the PCB sample results were below the EPA RSLs of 0.22/mg/kg. The laboratory results are attached and summarized in Table 1.

- A new, concrete garage floor was completed between April 19 and April 28, 2014, after the EPA reviewed our notification and approved the final action for the garage.

Table 1. Post Concrete Floor Removal Sample Results, March 25, 2014

Locations→	S-1	S-2	S-3	S-4	S-5
PCB Results	ND	ND	ND	ND	ND*

* <170 ug/Kg

2.1.1 Disposal of PCB Contaminated Concrete

The disposal of the concrete was handled in the following manner:

- A bill of lading was required to accompany the non-hazardous concrete debris during transport. Non-hazardous debris (11.16 tons) was disposed at the Casella facility in Coventry, Vermont (Appendix B)
- A waste manifest (Appendix B) was required to accompany the relatively minor amount of hazardous concrete (2 drums) from the north-bay garage during transport. The hazardous concrete was disposed of at the Chemical Waste Management facility in Model City, New York.

2.2 Removal of PCB Impacted Soils

The following actions were completed during the removal and disposal of the impacted soils located outside of the garage in the former UST area and the former vehicle drying area.

The approved plan specified that soils from the former UST tank pit area, which exhibited PCB contamination at concentrations in excess of applicable standards, would be excavated to a depth of up to ~10 feet below grade (fbg), transported and disposed at a licensed treatment and disposal facility (Figures 5 and 6). Similarly, the vehicle drying area

located adjacent to and north of the driveway was excavated in two configurations: one excavation to 2 fbg and another from 2 fbg to 6.5 fbg as depicted in Figures 7 and 8.

A conservative interpretation of the soil data (from both the former UST area and vehicle drying area) estimated the impacted soil volume to be 79 cubic yards. Using an estimated soil density of 1.4 tons per cubic yard, the disposal estimate for PCB impacted soil was approximately 110 tons. The final, total amount of soil removed from both areas was 77.58 tons. Composite soil analyses taken for the disposal facilities from the former UST area and vehicle drying area are included in Appendix C.

A deviation from the original plan included removing the top 2 feet of soil from the former UST area as clean soil. After further soil removal, disposal and verification sampling, the excavation was partially backfilled and covered with a synthetic membrane at 2 fbg to act as a warning for unauthorized excavation, and backfilled with two feet of clean soil to act as an isolation barrier layer. The excavated area was seeded and mulched and has fully grown over with grass.

2.2.1 Disposal of PCB Impacted Soil

TCLP analysis of four composite soil samples was completed for lead, cadmium, VOCs, SVOCs, TPH and ignitability. Between May 16 and August 10, 2014, four, triaxle, loads of soil from the outside area were disposed as non-hazardous waste at two landfills: the Mount Carberry Landfill in Berlin, NH and the Casella Coventry VT Landfill. A total of 73.35 tons of soil was removed.

On August 27, 2014, 4.23 additional tons of soil was removed from the northern edge of the excavation as depicted in Figures 9 and 10. The purpose of the excavation was to remove the soil exceedances detected during the August 12, 2014 post-excavation sampling event. The soil was excavated and loaded directly into a roll-off container. The soil was manifested and disposed of at the Mount Carberry Landfill, 80 Hutchins Street, Berlin, NH, by Able Waste Management, Plymouth VT.

2.4 Verification Sampling

Post-cleanup verification sampling of the soil was required to confirm that cleanup standards have been met. On August 12, 2014, HEA collected 11 soil samples that were analyzed for PCBs using EPA Method 8082. The results are depicted in Figure 9. Three PCB exceedances were detected from the northern edge of the excavation; one from the base of the vehicle drying area and two from the sidewall of the former UST area.

After further soil removal along the northern edge of the excavation, additional post-cleanup verification sampling of the soil was conducted on September 4, 2014. Nine additional soil samples were taken from the areas of the excavation. Sample numbers S-3A, S-6A, S-7A, S-8A, S-9A, S-10A, S-11A, S-10 'shallow' and S-11 'shallow' were sent to Phoenix Environmental Laboratories for PCB analysis. Table 2 shows the results of the second, post-excavation sampling. Soil samples 6A through 11A were taken from the floor of the excavation (below the corresponding number in Figure 9.) For example, S-6A was sampled in the same location as S-6 but from the floor of the excavation.

Sidewall samples S-3A, S-10 and S-11 were taken from the sidewall of the northern edge of the excavation generally corresponding to their former sample locations (Figures 9 &10).

Table 2. Second Post-Excavation Sample Results, September 4, 2014

Locations→	S-3A	S-6A	S-7A	S-8A	S-9A	S-10A	S-11A	S-10*	S-11*
PCB Results	ND	ND	ND	ND	ND	ND	ND	ND	ND**

*shallow sidewall sampling location ** <180 ug/Kg

Based on the soil results of the first and second post-excavation sampling, the cleanup objectives of the site have been met. The excavation has been backfilled, covered with landscape fabric at 2 feet below grade, and loamed, seeded and mulched. Final site photographs are included in Appendix A. Complete analytical data are included in Appendix C.

3.0 Remedial Action Concerns

3.1 Dust Control

Generation of dust from the garage and outside areas was addressed to minimize PCB exposure via the inhalation pathway during construction. All excavated surfaces were wetted as needed to minimize dust.

All excavated contaminated soils were transported off site and disposed of at a licensed solid waste disposal or treatment facility. Visible emissions of dust from the site or from transport vehicles were not permitted. No trucks left the site with loose soil on the truck body or tires.

3.2 Isolation Barrier Construction

After the surface soils within the corrective action area were removed, a two foot thick layer of clean soil was backfilled to minimize risk of human contact with contaminated soils. The filter fabric was placed beneath the clean soil layer to serve as a warning for unauthorized excavation.

If you have any questions with the summary of field procedures, analytical results, or results of this plan, please contact us at (802) 672-6112.

Sincerely,

Harper Environmental Associates. Inc November 12, 2014

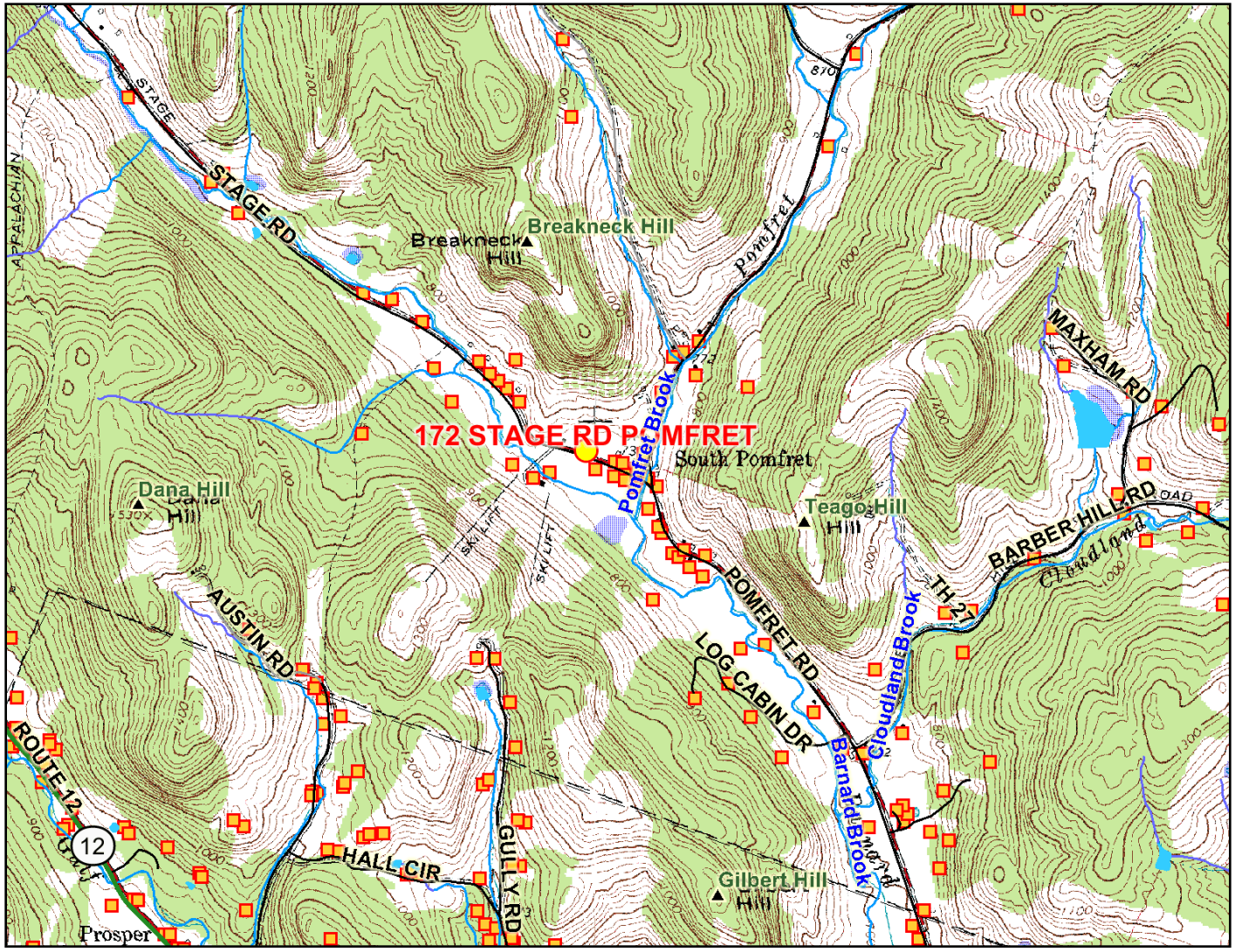
Cliff Harper, PG
Principal

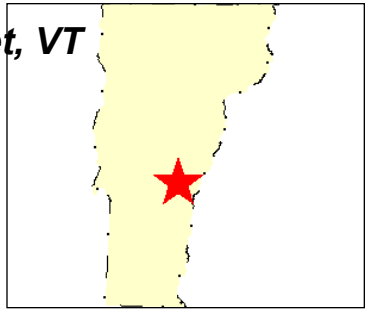
Cc: Mr. Ashley Desmond, VTDEC ANR

Vermont Interactive Map Viewer

Vermont Center for Geographic Information (VCGI)

Clark Estate, 172 Stage Road, S. Pomfret, VT





Legend

- Airports
- Mountains and Hills
- Interstates
- US Highways
- VT State Highways
- Rail Lines
- Town Boundaries

Roads

- Class 1-3
- Class 4

Rivers and Lakes

Streams

- Intermittent
- Perennial
- Unassigned
- Buildings
- Wetlands - VSWI
- VT State Boundary

0 2250 4500 6750 ft.

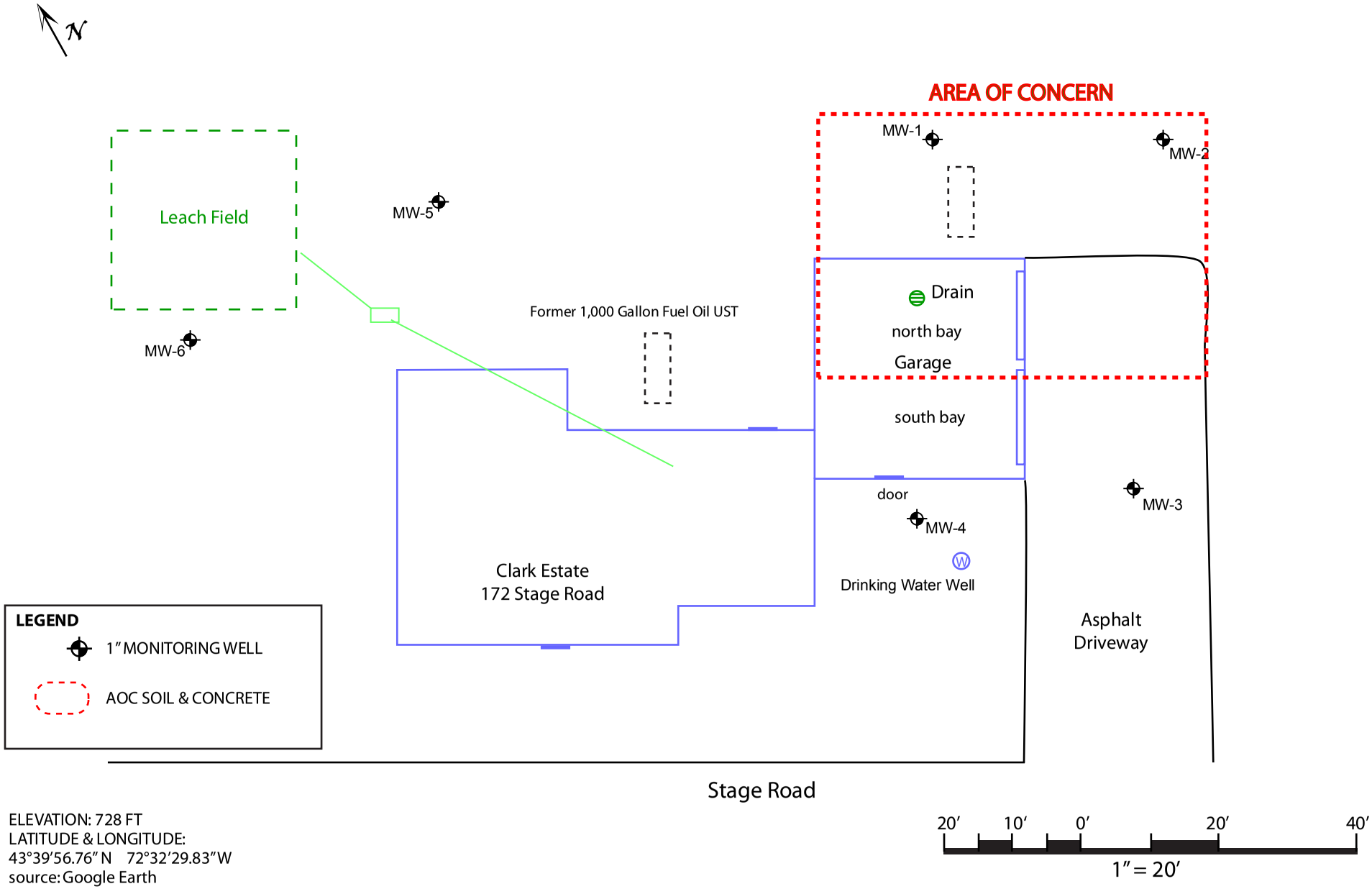
VT State Plane Meters (NAD83)

Scale: 1:24,000

Map center: 496761, 129417

URL: http://maps.vermont.gov/imf/sites/VCGI_basemap/jsp/launch.jsp

1/7/10



ELEVATION: 728 FT
LATITUDE & LONGITUDE:
43°39'56.76" N 72°32'29.83"W
source: Google Earth

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SITE MAP- AREA of CONCERN- CLARK ESTATE
172 Stage Road
So. Pomfret, Vermont

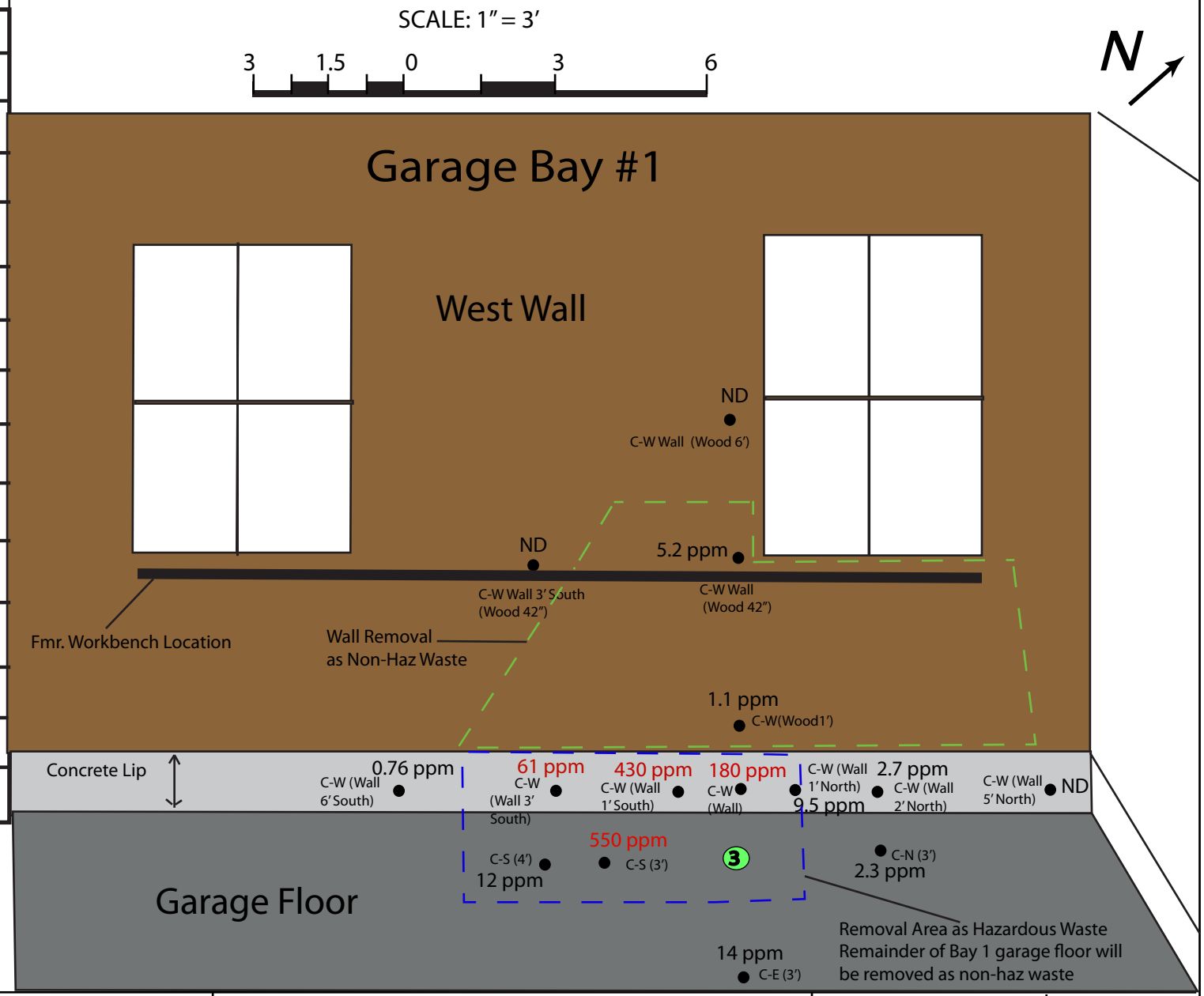
SCALE: 1" = 20'
DESIGNED BY: CH
DRAWN BY: KH
CHECKED BY: CH
DATE: JULY 2011
PROJ. NO. 2009-3994

FIGURE
2

PCB Concrete Testing Results	
C-N (3′)	2.3 ppm
C-E (3′)	14 ppm
C-S (3′)	550 ppm
C-S (4′)	12 ppm
C-W (Wall)	180 ppm
C-W Wood 1′	1.1 ppm
Wood Wall 42″	5.2 ppm
C-W Wall 1′ South	430 ppm
C-W Wall 3′ South	61 ppm
C-W Wall 1′ North	9.5 ppm
C-W Wall 2′ North	2.7 ppm
C-W Wall 3′ South (Wood 42″)	ND
C-W Wall (Wood 6′)	ND
C-W (Wall 5′ North)	ND
C-W (Wall 6′ South)	0.76 ppm

Key

>50 ppm in Red



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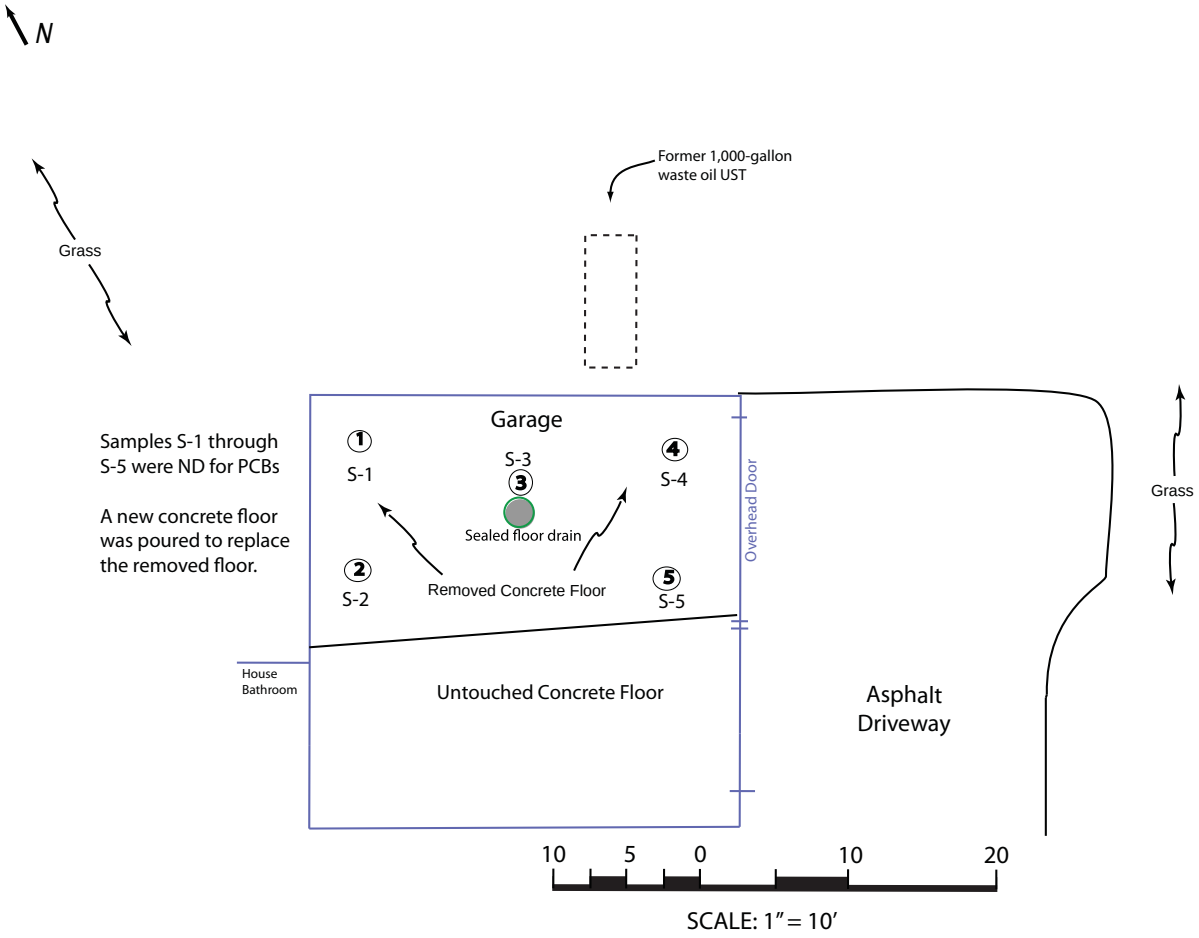
PCB Concrete and Wall Removal Plan

Clark Pomfret *172 Stage Road*
So. Pomfret, Vermont

SCALE: 1″ = 3′
DESIGNED BY: CH
DRAWN BY: JR
CHECKED BY: CH
DATE: September 2013
PROJ. NO. 2009-3994

3



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Subfloor Verification Sampling after Concrete Floor Removal
Clark Pomfret
172 Stage Road
So. Pomfret, Vermont

SCALE: 1" = 10'
DESIGNED BY: CH
DRAWN BY: CS
CHECKED BY: CH
DATE: Sept. 2014
PROJ. NO. 2009-3994

FIGURE
4

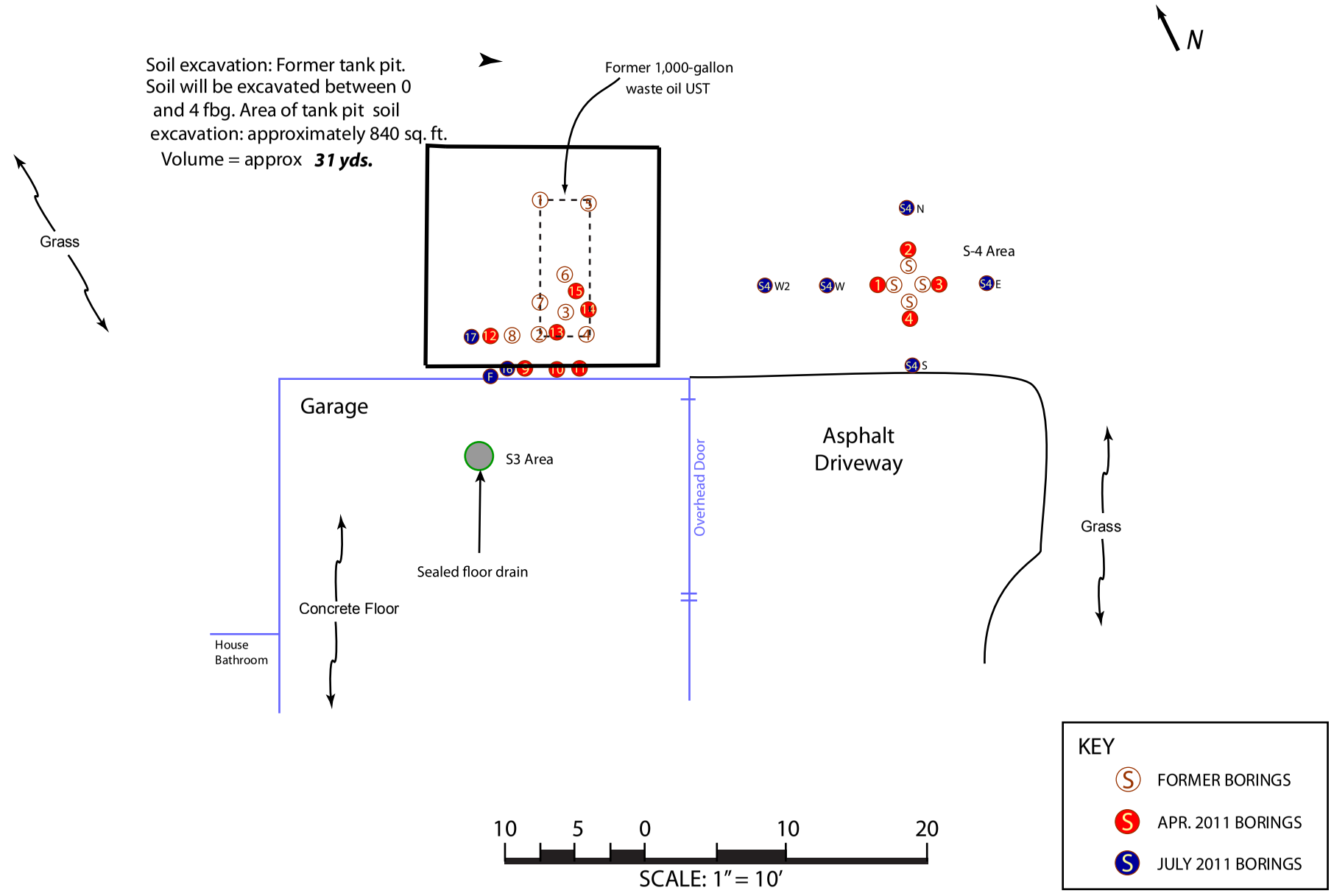

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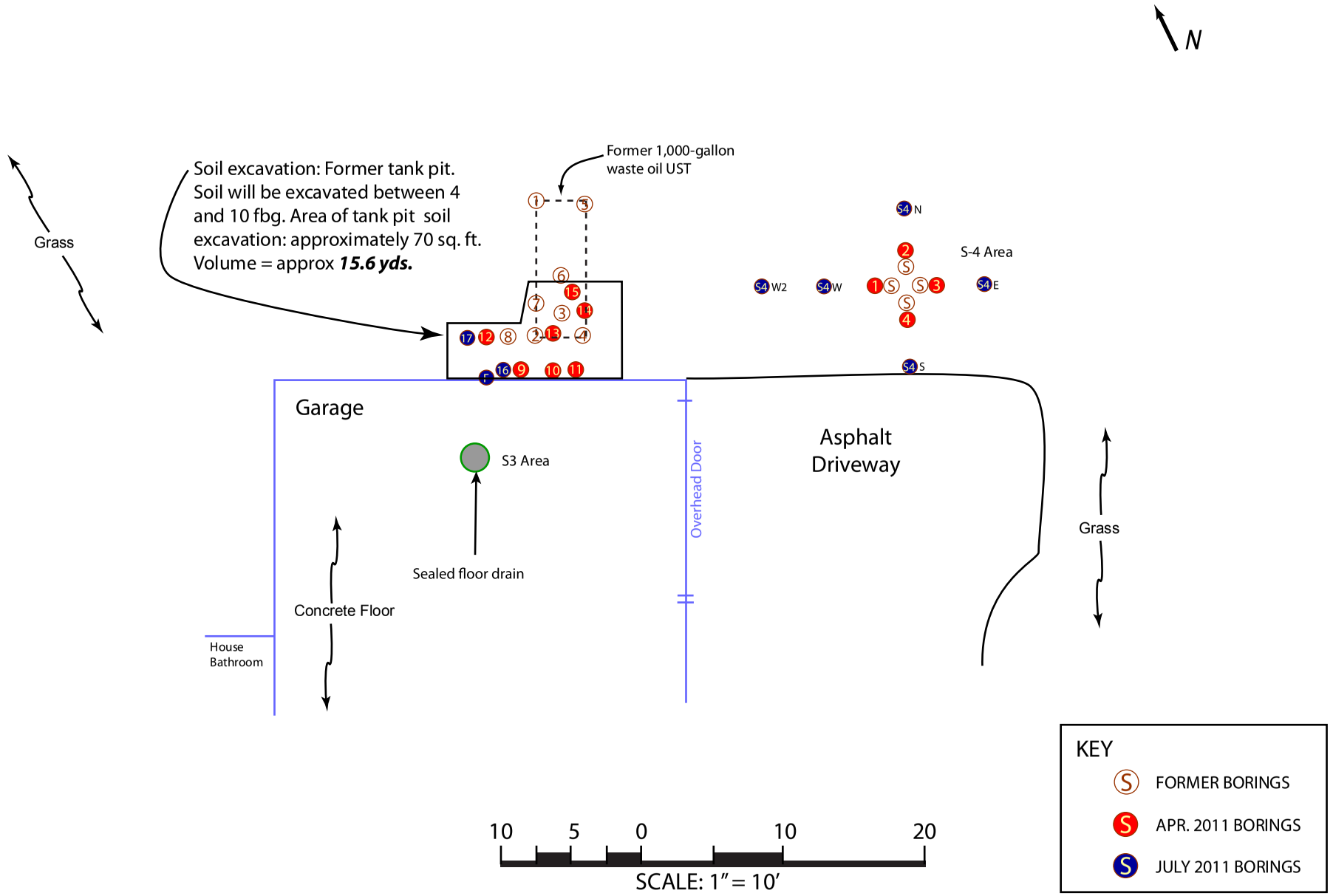
FIGURE 5- SOIL EXCAVATION PLAN: 0-4 FBG

172 Stage Road

So. Pomfret, Vermont

SCALE: 1" = 10'
DESIGNED BY: CH
DRAWN BY: KH
CHECKED BY: CH
DATE: JULY 2011
PROJ. NO. 2009-3994

FIGURE
5



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SOIL EXCAVATION PLAN: 4-10 FBG

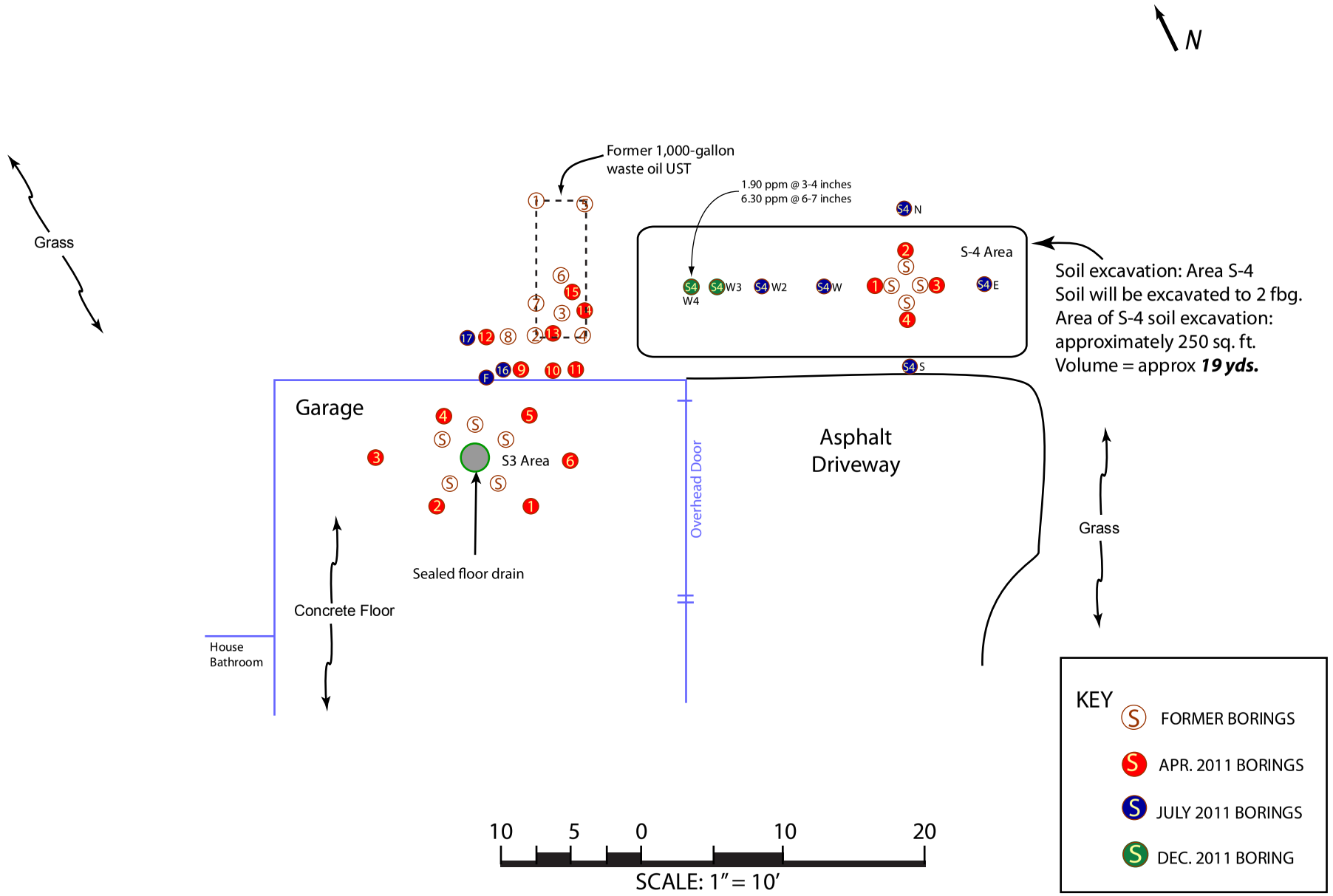
172 Stage Road

So. Pomfret, Vermont

SCALE: 1" = 10'
DESIGNED BY: CH
DRAWN BY: KH
CHECKED BY: CH
DATE: JULY 2011
PROJ. NO. 2009-3994

FIGURE

6



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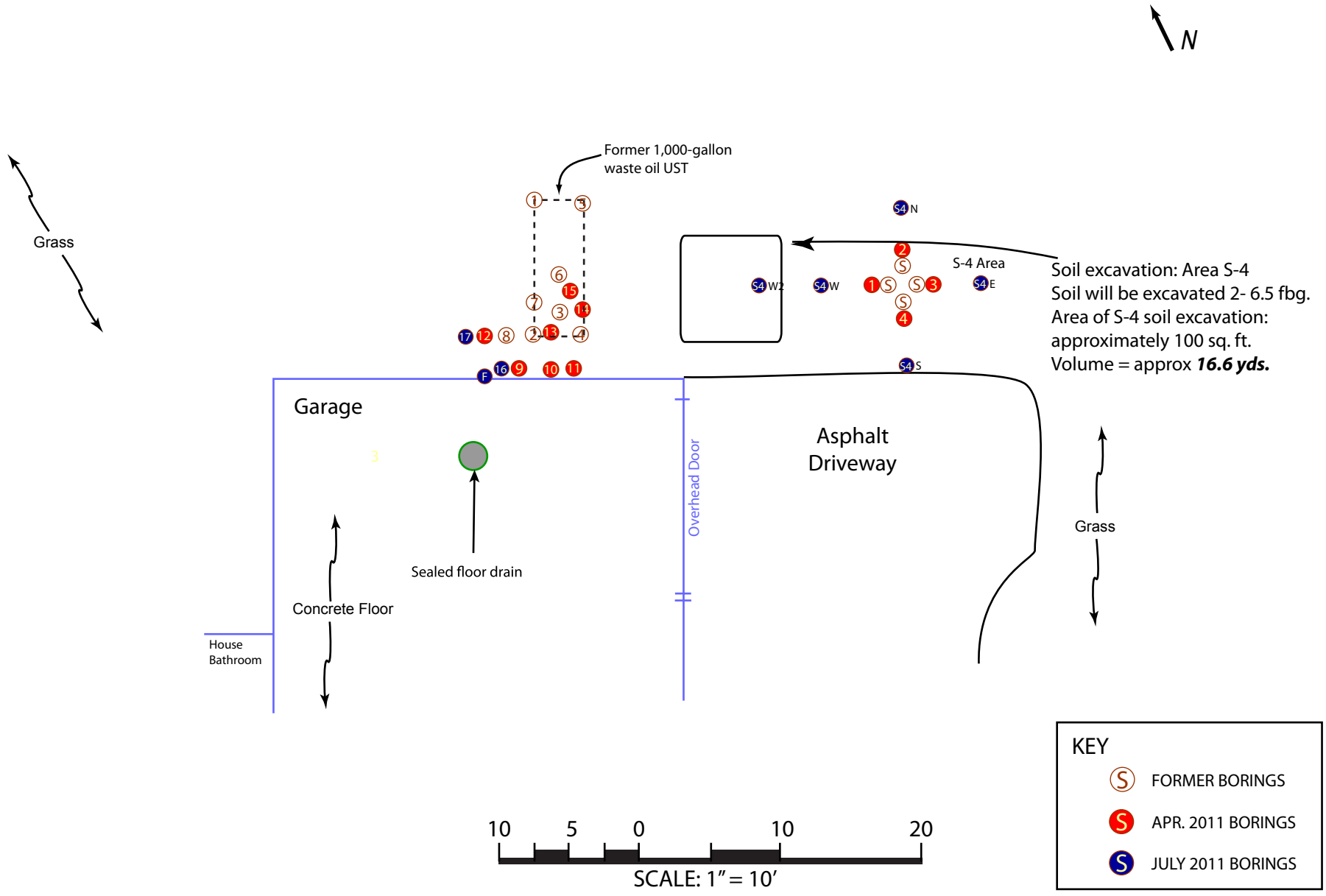
SOIL EXCAVATION PLAN VEHICLE DRYING AREA : 0-2 FBG

172 Stage Road

So. Pomfret, Vermont

SCALE: 1″ = 10′
DESIGNED BY: CH
DRAWN BY: KH
CHECKED BY: CH
DATE: JULY 2011
PROJ. NO. 2009-3994

FIGURE
7



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SOIL EXCAVATION PLAN VEHICLE DRYING AREA : 2-6.5 FBG

172 Stage Road

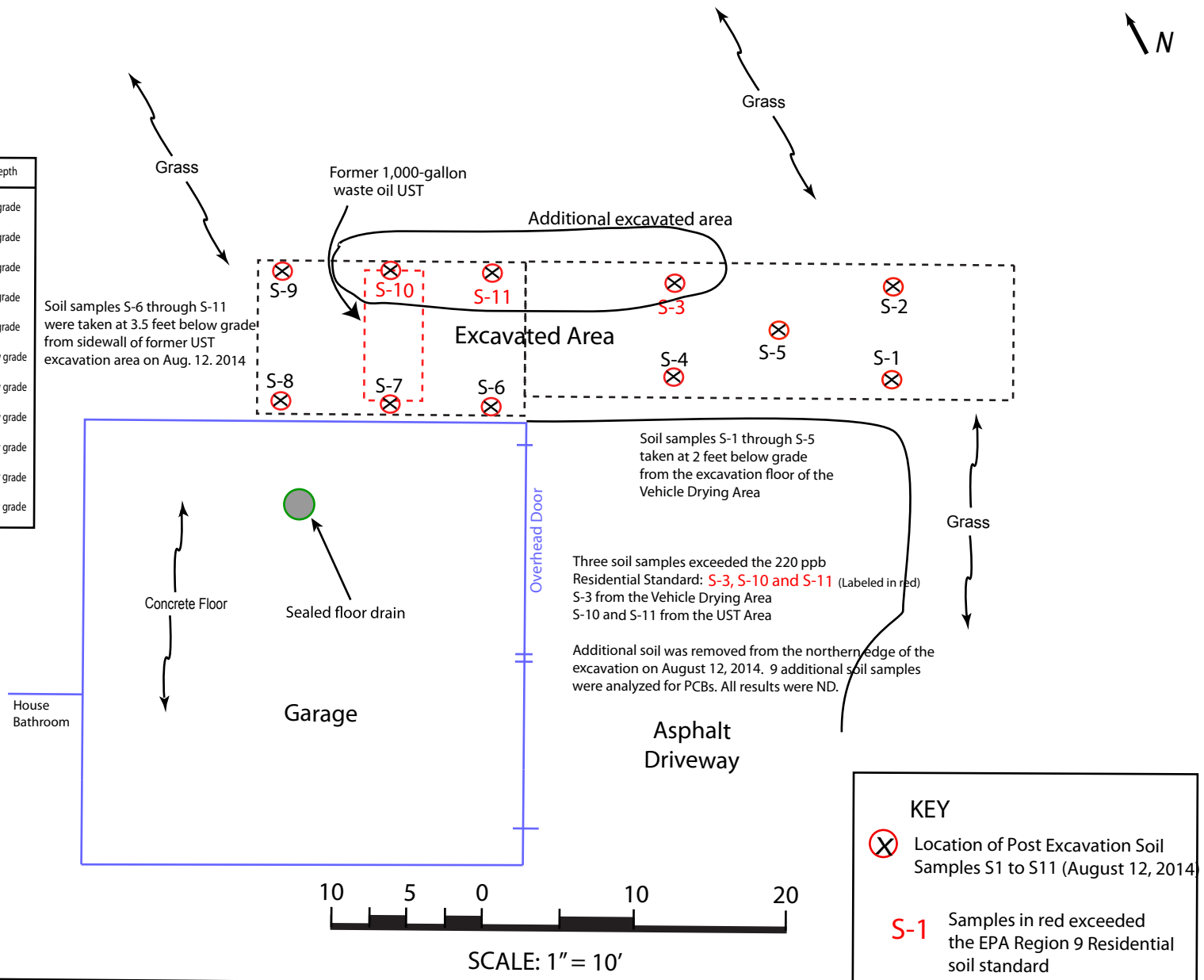
So. Pomfret, Vermont

SCALE: 1″ = 10′
DESIGNED BY: CH
DRAWN BY: KH
CHECKED BY: CH
DATE: JULY 2011
PROJ. NO. 2009-3994

FIGURE
8

Sample	PCB 1260 Concentration	Soil Sample Depth
S-1	<170 ppb	2 feet below grade
S-2	<170 ppb	2 feet below grade
S-3	460 ppb	2 feet below grade
S-4	190 ppb	2 feet below grade
S-5	<170 ppb	2 feet below grade
S-6	<170 ppb	3.5 feet below grade
S-7	<170 ppb	3.5 feet below grade
S-8	<170 ppb	3.5 feet below grade
S-9	<170 ppb	3.5 feet below grade
S-10	2600 ppb	3.5 feet below grade
S-11	480 ppb	3.5 feet below grade

Note: Values in Red exceed the Region 9 EPA Soil Standard for PCB 1260 in residential soil; EPA Region 9 Soil Standard for 1260 PCB is 220ppb



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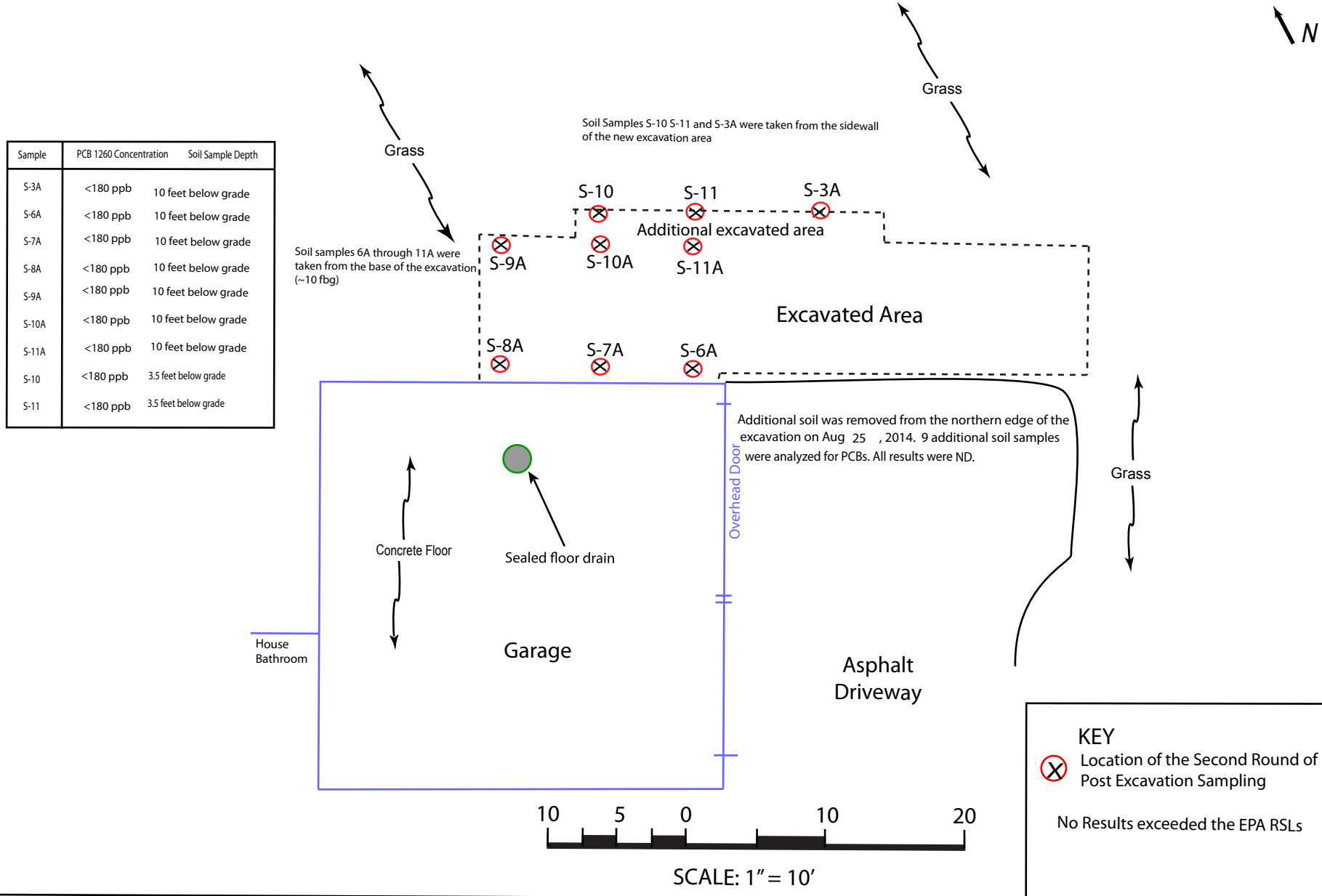
LOCATION OF POST EXCAVATION SOIL SAMPLES
Clark Pomfret
172 Stage Road
So. Pomfret, Vermont

SCALE: 1" = 10'
DESIGNED BY: CH
DRAWN BY: CS
CHECKED BY: CH
DATE: August 22, 2014
PROJ. NO. 2009-3994

FIGURE
9

Sample	PCB 1260 Concentration	Soil Sample Depth
S-3A	<180 ppb	10 feet below grade
S-6A	<180 ppb	10 feet below grade
S-7A	<180 ppb	10 feet below grade
S-8A	<180 ppb	10 feet below grade
S-9A	<180 ppb	10 feet below grade
S-10A	<180 ppb	10 feet below grade
S-11A	<180 ppb	10 feet below grade
S-10	<180 ppb	3.5 feet below grade
S-11	<180 ppb	3.5 feet below grade



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Second Post Excavation Soil Sample Map
Clark Pomfret
172 Stage Road
So. Pomfret, Vermont

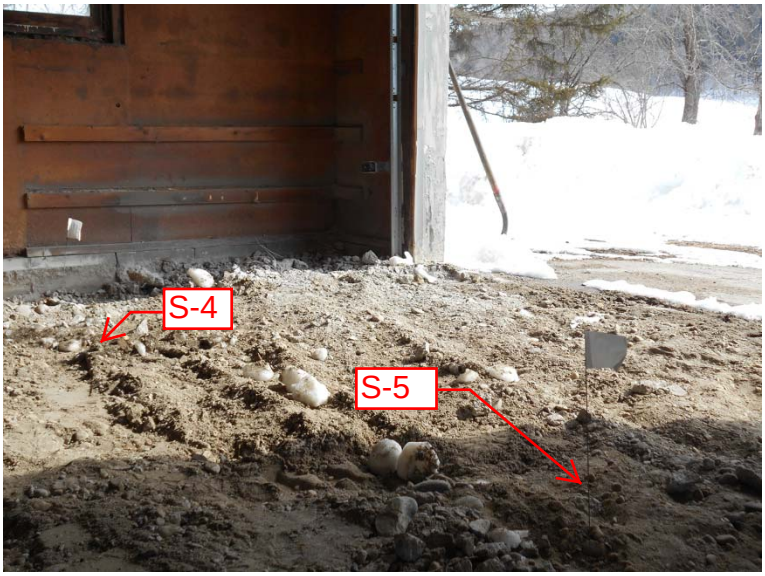
SCALE: 1" = 10'
DESIGNED BY: CH
DRAWN BY: CS
CHECKED BY: CH
DATE: September 20, 2014
PROJ. NO. 2009-3994

FIGURE
10

Estate of Harriet Clark/Former Moxley Auto Body

Appendix A Photographs

Clark Pomfret Garage Floor Removal
Sampling Points S-1 thru S-5




VOLVO
Beginning of excavation in the former UST Area

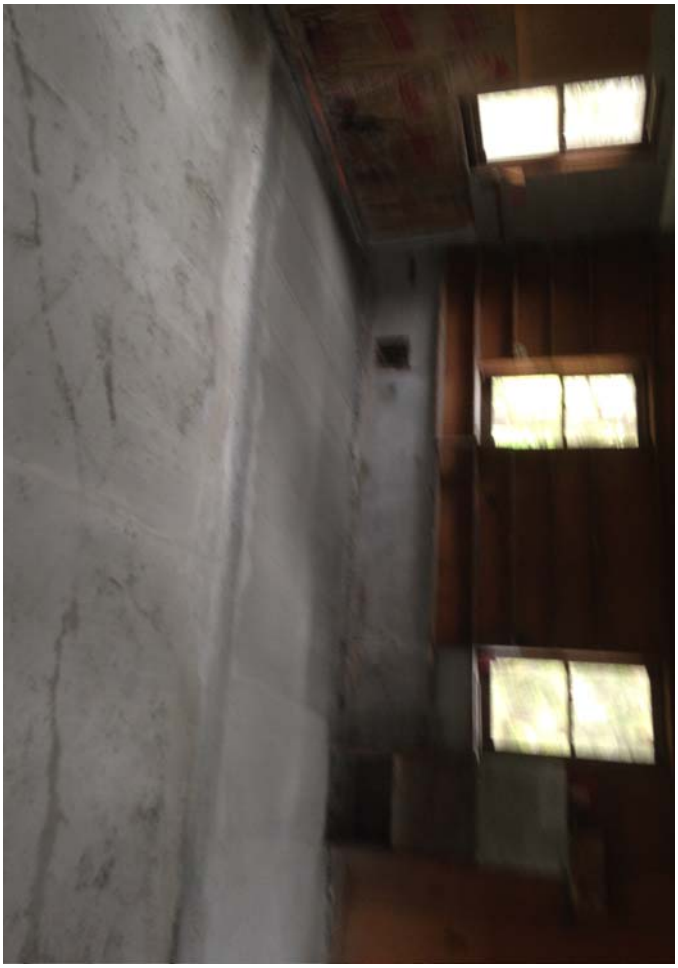
Soil Excavation in the Former UST Area


VOLVO


VOLVO


VOLVO


VOLVO




Filter Fabric on the
Vehicle Drying Area


Vehicle Drying Area prior to seed and mulch


Former UST Area
with Loam


Excavated Area after seed and mulch

Estate of Harriet Clark/Former Moxley Auto Body
Appendix B Waste Manifests and Bills of Lading

1. **Concrete Manifests as Hazardous and Non-Hazardous**
2. **Soil Disposal Invoice from Casella Coventry VT**
3. **Soil Disposal Ticket (Chase) and Bill of Lading from Carberry Landfill**
4. **Soil Disposal Ticket (Able) and Bill of Lading from Carberry Landfill**

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
VTR000013657	2	(888)231-9396	011512594 JJK

GENERATOR

5. Generator's Name and Mailing Address
Harriet Clark Estate
10 Highland Avenue
Woodstock, VT 05091
Generator's Phone: (802)457-1300

Generator's Site Address (if different than mailing address)
Harriet Clark Estate
172 Stage Rd.
South Pomfret, VT 05067

6. Transporter 1 Company Name
Harper Environmental

U.S. EPA ID Number
VTR000511972

7. Transporter 2 Company Name
ACCUWORX USA, Inc.

U.S. EPA ID Number
VTR000522854

8. Designated Facility Name and Site Address
CWM Chemical Services
1550 Balmer Road
Model City, NY 14107
Facility's Phone: 716-286-1550

U.S. EPA ID Number
NYD049836679

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. UN3432, Polychlorinated Biphenyls, Solid 9, PG II	2	DM	544	K	VTD1
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
PCB Contaminated Concrete, 2 x 1A2, NIOH

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
Cliff Hardy for Clark Estate	Cliff Hardy	3	20	14

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
Cliff Hardy for Clark Estate	Cliff Hardy	3	20	14
Transporter 2 Printed/Typed Name	**Signature**	**Month**	**Day**	**Year**
Nathaniel Tylenda		3	20	14

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name	Signature	Month	Day	Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

GENERATOR'S INITIAL COPY

NEWS OF VT / WASTE USA
A Division of Casella Waste Systems Inc
AIRPORT RD POB 348 -P(802)334-8300
NEWPORT, VT 05855 -F(802) 334-2476

TICKET: 514329
DATE: 03/11/2014
TIME: 13:17 - 13:46

CUSTOMER: BB00671 / HARPER ENVIRONMENTAL ASSOC P.O.:
HAULCUST: WO: 0 APPROVAL #: GROSS: 49920 LBS
ORIGIN: POM50 / POMFRET, TOWN OF TARE: 27600 LBS
TRUCK: BUCK 12 TRAILER: NET: 22320 LBS
GENERATOR: 904 / CLARK FAMILY ESTATE FILE #: 4772
HAULER: BUCK / BUCK ADAMS TRUC ROUTE: NA / NON APPLICABLE
COMMENT: CELL/TANK: P4C3C

MATERIAL	QUANTITY	UNIT
CD / OD CONSTRUCTION DEBRIS -	11.1600	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: Al Zober Weighmaster:

IN: PATRICIA GEOFFROY B: PCSCALE1-U OUT: PATRICIA GEOFFROYB: PCSCALE1-U

new england
NEW ENGLAND NEWSPAPERS
A Casella Company

NEWS OF VERMONT
PO BOX 1372
WILLISTON, VT 05495-1372

INVOICE

SERVICE ADDRESS
CLARK FAMILY ESTATE
S. POMFRET VT

CUSTOMER NUMBER BB-00671 9
INVOICE # 669069
BILLING INQUIRIES (802) 334-8300
INVOICE DATE 5/12/14

An updated fuel/oil/enviro table is now available at our website.
Please visit www.Casella.com/fuel/oil/enviro for more details.

DATE	DESCRIPTION	QTY.	RATE	TOTAL
5/08/14	OD CONSTRUCTION DEBRIS	21.93	55.000	1,206.15
5/08/14	WEIGHT TICKET#:519442			
5/09/14	OD CONSTRUCTION DEBRIS	19.75	55.000	1,086.25
5/09/14	WEIGHT TICKET#:519525			

000006702-A

652306A

FOR SERVICE DURING

CHASE
2016

PAY THIS AMOUNT
$2292.40

PD 6/13/14

BILL OF LADING for the Transport/Destruction SOIL

A. LOCATION OF DISPOSAL SITE WHERE REMEDIATION WASTE WAS GENERATED
Release Name: Estate of Harriet Clark/Former Moxley Auto Body, 172 Stage Road, South Pomfret, VT (SMS Site #2009-3994)
Date/ Period of Generation: Aug 1- Aug 15, 2014 Additional Waste ID: none

B. PERSONS CONDUCTING RESPONSE ACTION ASSOCIATED WITH BILL OF LADING
Owner: Betty Fredericks, 172 Stage Road, South Pomfret, VT
Location: Pomfret VT Telephone: 802 457 3978

C. RELATIONSHIP TO RELEASE OF PERSON CONDUCTING RESPONSE ACTION ASSOCIATED WITH BILL OF LADING: Responsible Person/Executrix

D. TRANSPORTER/COMMON CARRIER INFORMATION
Transporter/Common Carrier Name: Chase Site Services
Contact: Eric Chase (802) 356- 2503
Location: Quechee, VT

E. RECEIVING FACILITY/STORAGE LOCATION
Operator/Facility Name: Mt. Carberry Landfill
Contact Person: Sharon Gauthier Title: Coordinator
Location: 15 Forist St, Berlin NH 03570
Telephone: 603 723 5890
Type of Facility: Landfill, Approved by EPA, and waste approved by Carberry Landfill

F. DESCRIPTION OF REMEDIATION WASTE
Contaminated Media: Other: **SOIL**
Non-Hazardous Containerized Waste:
Type of Contamination: **Non Hazardous PCB; metals in soil**
Estimated Volume of Materials: **20-30 Tons each load – 1 load from AREA3, 1 from AREA 4**
Contaminant Source: **Vehicle Drying Area**
Waste Characterization Support Documentation: Lab Analytical sent to Mt. Carberry

G. PROFESSIONAL OPINION:
Name of Organization: Harper Environmental Associates, Inc.
Name: Cliff Harper Title: Principal Hydrogeologist, PG
Telephone: (802) 672-6112

I have personally examined and am familiar with the information contained on and submitted with this form. Based on this information, it is my opinion that the testing and assessment actions undertaken were adequate to characterize the waste soil, and that the facility or location can waste with the characteristics described in this submittal.

Harper Environmental Associates. Inc

Cliff Harper, PG
Principal

Signature: Date: Aug 1, 2014

BILL OF LADING for the Transport/Destruction SOIL

A. LOCATION OF DISPOSAL SITE WHERE REMEDIATION WASTE WAS GENERATED
Release Name: Estate of Harriet Clark/Former Moxley Auto Body, 172 Stage Road, South Pomfret, VT (SMS Site #2009-3994)
Date/ Period of Generation: Aug 1- Sept 4, 2014 Additional Waste ID: none

B. PERSONS CONDUCTING RESPONSE ACTION ASSOCIATED WITH BILL OF LADING
Owner: Betty Fredericks, 172 Stage Road, South Pomfret, VT
Location: Pomfret VT Telephone: 802 457 3978

C. RELATIONSHIP TO RELEASE OF PERSON CONDUCTING RESPONSE ACTION ASSOCIATED WITH BILL OF LADING: Responsible Person/Executrix

D. TRANSPORTER/COMMON CARRIER INFORMATION
Transporter/Common Carrier Name: Able Waste Management
Contact: Art Lynds 802 672-3569
Location: Plymouth, VT

E. RECEIVING FACILITY/STORAGE LOCATION
Operator/Facility Name: Mt. Carberry Landfill
Contact Person: Sharon Gauthier Title: Coordinator
Location: 15 Forist St, Berlin NH 03570
Telephone: 603 723 5890
Type of Facility: Landfill, Approved by EPA, and waste approved by Carberry Landfill

F. DESCRIPTION OF REMEDIATION WASTE
Contaminated Media: Other: **SOIL**
Non-Hazardous Containerized Waste:
Type of Contamination: **Non Hazardous PCB; metals in soil**
Estimated Volume of Materials: **2-3 Tons**
Contaminant Source: **Vehicle Drying Area**
Waste Characterization Support Documentation: Lab Analytical sent to Mt. Carberry

G. PROFESSIONAL OPINION:
Name of Organization: Harper Environmental Associates, Inc.
Name: Cliff Harper Title: Principal Hydrogeologist, PG
Telephone: (802) 672-6112

I have personally examined and am familiar with the information contained on and submitted with this form. Based on this information, it is my opinion that the testing and assessment actions undertaken were adequate to characterize the waste soil, and that the facility or location can waste with the characteristics described in this submittal.

Harper Environmental Associates. Inc

Cliff Harper, PG
Principal

Signature: Date: Sept 4, 2014

Estate of Harriet Clark/Former Moxley Auto Body

Appendix C Analytical Laboratory Data

PHOENIX
Environmental Laboratories, Inc.

Wednesday, May 21, 2014

Attn: Mr. Cliff Harper
Harper Environmental Associates
1811 Hale Hollow Rd
Bridgewater Corners, VT 05035

Project ID: CLARK POMFRET
Sample ID#s: BG45692 - BG45695

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.

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

May 21, 2014

FOR: Attn: Mr. Cliff Harper
Harper Environmental Associates
1811 Hale Hollow Rd
Bridgewater Corners, VT 05035

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		05/15/14	12:00
Location Code:	HARPER	Received by:	LB	05/16/14	14:46
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG45692
Phoenix ID: BG45692

Project ID: CLARK POMFRET
Client ID: AREA 1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
TCLP Cadmium	< 0.050	0.050	mg/L	05/19/14	EK	SW6010
TCLP Lead	< 0.10	0.10	mg/L	05/19/14	EK	SW6010
TCLP Metals Digestion	Completed			05/19/14	X/X	SW3005
Percent Solid	89		%	05/16/14	x	E160.3
Flash Point	>200	200	degree F	05/19/14	MS	SW1010
Ignitability	Passed	140	degree F	05/19/14	MS	SW1030
TCLP Extraction for Metals	Completed			05/16/14	x	EPA 1311
TCLP Extraction for Organics	Completed			05/16/14	x	1311
TCLP Semi-Volatile Extraction	Completed			05/19/14	LT	SW3510
TCLP Extraction Volatiles	Completed			05/16/14	Y	EPA 1311
Extraction of TPH SM	Completed			05/16/14	PJ/F	3545/3550
TPH by GC (Extractable Products)						
Fuel Oil #2 / Diesel Fuel	ND	55	mg/kg	05/17/14	JRB	8015M (C9-C36)
Fuel Oil #4	ND	55	mg/kg	05/17/14	JRB	8015M (C9-C36)
Fuel Oil #6	ND	55	mg/kg	05/17/14	JRB	8015M (C9-C36)
Kerosene	ND	55	mg/kg	05/17/14	JRB	8015M (C9-C36)
Motor Oil	ND	55	mg/kg	05/17/14	JRB	8015M (C9-C36)
Other Oil	ND	55	mg/kg	05/17/14	JRB	8015M (C9-C36)
Unidentified	ND	55	mg/kg	05/17/14	JRB	8015M (C9-C36)
QA/QC Surrogates						
% n-Pentacosane	84		%	05/17/14	JRB	50 - 150 %
TCLP Volatiles						
1,1-Dichloroethene	ND	10	ug/L	05/19/14	HM	SW8260
1,2-Dichloroethane	ND	10	ug/L	05/19/14	HM	SW8260
Benzene	ND	10	ug/L	05/19/14	HM	SW8260
Carbon tetrachloride	ND	10	ug/L	05/19/14	HM	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Chlorobenzene	ND	10	ug/L	05/19/14	HM	SW8260
Chloroform	ND	10	ug/L	05/19/14	HM	SW8260
Methyl ethyl ketone	ND	10	ug/L	05/19/14	HM	SW8260
Tetrachloroethene	ND	10	ug/L	05/19/14	HM	SW8260
Trichloroethene	ND	10	ug/L	05/19/14	HM	SW8260
Vinyl chloride	ND	10	ug/L	05/19/14	HM	SW8260
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	101		%	05/19/14	HM	70 - 130 %
% Bromofluorobenzene	97		%	05/19/14	HM	70 - 130 %
% Dibromofluoromethane	95		%	05/19/14	HM	70 - 130 %
% Toluene-d8	100		%	05/19/14	HM	70 - 130 %

TCLP Acid/Base-Neutral

1,4-Dichlorobenzene	ND	83	ug/L	05/20/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	83	ug/L	05/20/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	83	ug/L	05/20/14	DD	SW 8270
2,4-Dinitrotoluene	ND	83	ug/L	05/20/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	83	ug/L	05/20/14	DD	SW 8270
3&4-Methylphenol (m&p-Cresol)	ND	83	ug/L	05/20/14	DD	SW 8270
Hexachlorobenzene	ND	83	ug/L	05/20/14	DD	SW 8270
Hexachlorobutadiene	ND	83	ug/L	05/20/14	DD	SW 8270
Hexachloroethane	ND	83	ug/L	05/20/14	DD	SW 8270
Nitrobenzene	ND	83	ug/L	05/20/14	DD	SW 8270
Pentachlorophenol	ND	83	ug/L	05/20/14	DD	SW 8270
Pyridine	ND	83	ug/L	05/20/14	DD	SW 8270
QA/QC Surrogates						
% 2,4,6-Tribromophenol	88		%	05/20/14	DD	15 - 110 %
% 2-Fluorobiphenyl	80		%	05/20/14	DD	30 - 130 %
% 2-Fluorophenol	78		%	05/20/14	DD	15 - 110 %
% Nitrobenzene-d5	83		%	05/20/14	DD	30 - 130 %
% Phenol-d5	63		%	05/20/14	DD	15 - 110 %
% Terphenyl-d14	109		%	05/20/14	DD	30 - 130 %

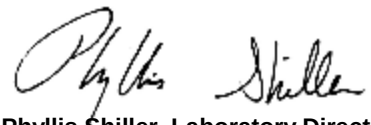
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

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
May 21, 2014
Reviewed and Released by: Bobbi Aloisa, Vice President

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

Analysis Report

May 21, 2014

FOR: Attn: Mr. Cliff Harper
Harper Environmental Associates
1811 Hale Hollow Rd
Bridgewater Corners, VT 05035

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		05/15/14	12:15
Location Code:	HARPER	Received by:	LB	05/16/14	14:46
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG45692
Phoenix ID: BG45693

Project ID: CLARK POMFRET
Client ID: AREA 2

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
TCLP Cadmium	< 0.050	0.050	mg/L	05/19/14	EK	SW6010
TCLP Lead	< 0.10	0.10	mg/L	05/19/14	EK	SW6010
TCLP Metals Digestion	Completed			05/19/14	X/X	SW3005
Percent Solid	88		%	05/16/14	x	E160.3
Flash Point	>200	200	degree F	05/19/14	MS	SW1010
Ignitability	Passed	140	degree F	05/19/14	MS	SW1030
TCLP Extraction for Metals	Completed			05/16/14	x	EPA 1311
TCLP Extraction for Organics	Completed			05/16/14	x	1311
TCLP Semi-Volatile Extraction	Completed			05/19/14	LT	SW3510
TCLP Extraction Volatiles	Completed			05/16/14	Y	EPA 1311
Extraction of TPH SM	Completed			05/19/14	JJ/F	3545/3550
TPH by GC (Extractable Products)						
Fuel Oil #2 / Diesel Fuel	ND	57	mg/kg	05/20/14	JRB	8015M (C9-C36)
Fuel Oil #4	ND	57	mg/kg	05/20/14	JRB	8015M (C9-C36)
Fuel Oil #6	ND	57	mg/kg	05/20/14	JRB	8015M (C9-C36)
Kerosene	ND	57	mg/kg	05/20/14	JRB	8015M (C9-C36)
Motor Oil	ND	57	mg/kg	05/20/14	JRB	8015M (C9-C36)
Other Oil	ND	57	mg/kg	05/20/14	JRB	8015M (C9-C36)
Unidentified	ND	57	mg/kg	05/20/14	JRB	8015M (C9-C36)
QA/QC Surrogates						
% n-Pentacosane	83		%	05/20/14	JRB	50 - 150 %
TCLP Volatiles						
1,1-Dichloroethene	ND	10	ug/L	05/19/14	HM	SW8260
1,2-Dichloroethane	ND	10	ug/L	05/19/14	HM	SW8260
Benzene	ND	10	ug/L	05/19/14	HM	SW8260
Carbon tetrachloride	ND	10	ug/L	05/19/14	HM	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Chlorobenzene	ND	10	ug/L	05/19/14	HM	SW8260
Chloroform	ND	10	ug/L	05/19/14	HM	SW8260
Methyl ethyl ketone	ND	10	ug/L	05/19/14	HM	SW8260
Tetrachloroethene	ND	10	ug/L	05/19/14	HM	SW8260
Trichloroethene	ND	10	ug/L	05/19/14	HM	SW8260
Vinyl chloride	ND	10	ug/L	05/19/14	HM	SW8260
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	102		%	05/19/14	HM	70 - 130 %
% Bromofluorobenzene	98		%	05/19/14	HM	70 - 130 %
% Dibromofluoromethane	96		%	05/19/14	HM	70 - 130 %
% Toluene-d8	102		%	05/19/14	HM	70 - 130 %

TCLP Acid/Base-Neutral

1,4-Dichlorobenzene	ND	83	ug/L	05/20/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	83	ug/L	05/20/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	83	ug/L	05/20/14	DD	SW 8270
2,4-Dinitrotoluene	ND	83	ug/L	05/20/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	83	ug/L	05/20/14	DD	SW 8270
3&4-Methylphenol (m&p-Cresol)	ND	83	ug/L	05/20/14	DD	SW 8270
Hexachlorobenzene	ND	83	ug/L	05/20/14	DD	SW 8270
Hexachlorobutadiene	ND	83	ug/L	05/20/14	DD	SW 8270
Hexachloroethane	ND	83	ug/L	05/20/14	DD	SW 8270
Nitrobenzene	ND	83	ug/L	05/20/14	DD	SW 8270
Pentachlorophenol	ND	83	ug/L	05/20/14	DD	SW 8270
Pyridine	ND	83	ug/L	05/20/14	DD	SW 8270
QA/QC Surrogates						
% 2,4,6-Tribromophenol	93		%	05/20/14	DD	15 - 110 %
% 2-Fluorobiphenyl	84		%	05/20/14	DD	30 - 130 %
% 2-Fluorophenol	82		%	05/20/14	DD	15 - 110 %
% Nitrobenzene-d5	88		%	05/20/14	DD	30 - 130 %
% Phenol-d5	66		%	05/20/14	DD	15 - 110 %
% Terphenyl-d14	117		%	05/20/14	DD	30 - 130 %

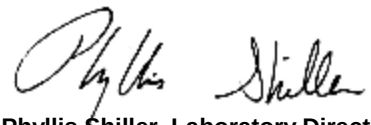
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

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
May 21, 2014
Reviewed and Released by: Bobbi Aloisa, Vice President

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

Analysis Report

May 21, 2014

FOR: Attn: Mr. Cliff Harper
Harper Environmental Associates
1811 Hale Hollow Rd
Bridgewater Corners, VT 05035

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		05/15/14	12:35
Location Code:	HARPER	Received by:	LB	05/16/14	14:46
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG45692
Phoenix ID: BG45694

Project ID: CLARK POMFRET
Client ID: AREA 3

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
TCLP Silver	< 0.10	0.10	mg/L	05/19/14	EK	SW6010
TCLP Arsenic	< 0.10	0.10	mg/L	05/19/14	EK	SW6010
TCLP Barium	0.71	0.10	mg/L	05/19/14	EK	SW6010
TCLP Cadmium	< 0.050	0.050	mg/L	05/19/14	EK	SW6010
TCLP Chromium	< 0.10	0.10	mg/L	05/19/14	EK	SW6010
TCLP Mercury	< 0.0002	0.0002	mg/L	05/19/14	RS	SW7470
TCLP Lead	< 0.10	0.10	mg/L	05/19/14	EK	SW6010
TCLP Selenium	< 0.10	0.10	mg/L	05/19/14	EK	SW6010
TCLP Metals Digestion	Completed			05/19/14	X/X	SW3005
Percent Solid	90		%	05/16/14	x	E160.3
Flash Point	>200	200	degree F	05/19/14	MS	SW1010
Ignitability	Passed	140	degree F	05/19/14	MS	SW1030
TCLP Digestion Mercury	Completed			05/19/14	X/X	E1311/7470
TCLP Extraction for Metals	Completed			05/16/14	x	EPA 1311
TCLP Extraction for Organics	Completed			05/16/14	x	1311
TCLP Semi-Volatile Extraction	Completed			05/19/14	LT	SW3510
TCLP Extraction Volatiles	Completed			05/16/14	Y	EPA 1311
Extraction of TPH SM	Completed			05/16/14	PJ/F	3545/3550
TPH by GC (Extractable Products)						
Fuel Oil #2 / Diesel Fuel	ND	55	mg/kg	05/17/14	JRB	8015M (C9-C36)
Fuel Oil #4	ND	55	mg/kg	05/17/14	JRB	8015M (C9-C36)
Fuel Oil #6	ND	55	mg/kg	05/17/14	JRB	8015M (C9-C36)
Kerosene	ND	55	mg/kg	05/17/14	JRB	8015M (C9-C36)
Motor Oil	**	55	mg/kg	05/17/14	JRB	8015M (C9-C36)
Other Oil	ND	55	mg/kg	05/17/14	JRB	8015M (C9-C36)
Unidentified	270	55	mg/kg	05/17/14	JRB	8015M (C9-C36)
QA/QC Surrogates						

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% n-Pentacosane	79		%	05/17/14	JRB	50 - 150 %
TCLP Volatiles						
1,1-Dichloroethene	ND	10	ug/L	05/19/14	HM	SW8260
1,2-Dichloroethane	ND	10	ug/L	05/19/14	HM	SW8260
Benzene	ND	10	ug/L	05/19/14	HM	SW8260
Carbon tetrachloride	ND	10	ug/L	05/19/14	HM	SW8260
Chlorobenzene	ND	10	ug/L	05/19/14	HM	SW8260
Chloroform	ND	10	ug/L	05/19/14	HM	SW8260
Methyl ethyl ketone	ND	10	ug/L	05/19/14	HM	SW8260
Tetrachloroethene	ND	10	ug/L	05/19/14	HM	SW8260
Trichloroethene	ND	10	ug/L	05/19/14	HM	SW8260
Vinyl chloride	ND	10	ug/L	05/19/14	HM	SW8260
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	101		%	05/19/14	HM	70 - 130 %
% Bromofluorobenzene	98		%	05/19/14	HM	70 - 130 %
% Dibromofluoromethane	97		%	05/19/14	HM	70 - 130 %
% Toluene-d8	100		%	05/19/14	HM	70 - 130 %
TCLP Acid/Base-Neutral						
1,4-Dichlorobenzene	ND	83	ug/L	05/20/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	83	ug/L	05/20/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	83	ug/L	05/20/14	DD	SW 8270
2,4-Dinitrotoluene	ND	83	ug/L	05/20/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	83	ug/L	05/20/14	DD	SW 8270
3&4-Methylphenol (m&p-Cresol)	ND	83	ug/L	05/20/14	DD	SW 8270
Hexachlorobenzene	ND	83	ug/L	05/20/14	DD	SW 8270
Hexachlorobutadiene	ND	83	ug/L	05/20/14	DD	SW 8270
Hexachloroethane	ND	83	ug/L	05/20/14	DD	SW 8270
Nitrobenzene	ND	83	ug/L	05/20/14	DD	SW 8270
Pentachlorophenol	ND	83	ug/L	05/20/14	DD	SW 8270
Pyridine	ND	83	ug/L	05/20/14	DD	SW 8270
QA/QC Surrogates						
% 2,4,6-Tribromophenol	76		%	05/20/14	DD	15 - 110 %
% 2-Fluorobiphenyl	66		%	05/20/14	DD	30 - 130 %
% 2-Fluorophenol	67		%	05/20/14	DD	15 - 110 %
% Nitrobenzene-d5	71		%	05/20/14	DD	30 - 130 %
% Phenol-d5	55		%	05/20/14	DD	15 - 110 %
% Terphenyl-d14	100		%	05/20/14	DD	30 - 130 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

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

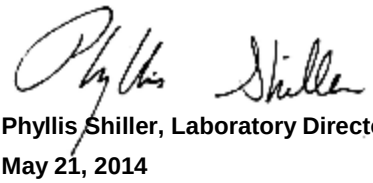
Comments:

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

TPH Comment:
**Petroleum hydrocarbon chromatogram most closely resembles motor oil. 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.

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



Phyllis Shiller, Laboratory Director
May 21, 2014
Reviewed and Released by: Bobbi Aloisa, Vice President

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

Analysis Report

May 21, 2014

FOR: Attn: Mr. Cliff Harper
Harper Environmental Associates
1811 Hale Hollow Rd
Bridgewater Corners, VT 05035

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		05/15/14	12:50
Location Code:	HARPER	Received by:	LB	05/16/14	14:46
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG45692
Phoenix ID: BG45695

Project ID: CLARK POMFRET
Client ID: AREA 4

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
TCLP Silver	< 0.10	0.10	mg/L	05/19/14	EK	SW6010
TCLP Arsenic	< 0.10	0.10	mg/L	05/19/14	EK	SW6010
TCLP Barium	1.26	0.10	mg/L	05/19/14	EK	SW6010
TCLP Cadmium	< 0.050	0.050	mg/L	05/19/14	EK	SW6010
TCLP Chromium	< 0.10	0.10	mg/L	05/19/14	EK	SW6010
TCLP Mercury	< 0.0002	0.0002	mg/L	05/19/14	RS	SW7470
TCLP Lead	0.12	0.10	mg/L	05/19/14	EK	SW6010
TCLP Selenium	< 0.10	0.10	mg/L	05/19/14	EK	SW6010
TCLP Metals Digestion	Completed			05/19/14	X/X	SW3005
Percent Solid	86		%	05/16/14	x	E160.3
Flash Point	>200	200	degree F	05/20/14	Y	SW1010
Ignitability	Passed	140	degree F	05/20/14	Y	SW1030
TCLP Digestion Mercury	Completed			05/19/14	X/X	E1311/7470
TCLP Extraction for Metals	Completed			05/16/14	x	EPA 1311
TCLP Extraction for Organics	Completed			05/16/14	x	1311
TCLP Semi-Volatile Extraction	Completed			05/19/14	LT	SW3510
TCLP Extraction Volatiles	Completed			05/16/14	Y	EPA 1311
Extraction of TPH SM	Completed			05/16/14	PJ/F	3545/3550
TPH by GC (Extractable Products)						
Fuel Oil #2 / Diesel Fuel	ND	57	mg/kg	05/17/14	JRB	8015M (C9-C36)
Fuel Oil #4	ND	57	mg/kg	05/17/14	JRB	8015M (C9-C36)
Fuel Oil #6	ND	57	mg/kg	05/17/14	JRB	8015M (C9-C36)
Kerosene	ND	57	mg/kg	05/17/14	JRB	8015M (C9-C36)
Motor Oil	**	57	mg/kg	05/17/14	JRB	8015M (C9-C36)
Other Oil	ND	57	mg/kg	05/17/14	JRB	8015M (C9-C36)
Unidentified	280	57	mg/kg	05/17/14	JRB	8015M (C9-C36)
QA/QC Surrogates						

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% n-Pentacosane	85		%	05/17/14	JRB	50 - 150 %
TCLP Volatiles						
1,1-Dichloroethene	ND	10	ug/L	05/19/14	HM	SW8260
1,2-Dichloroethane	ND	10	ug/L	05/19/14	HM	SW8260
Benzene	ND	10	ug/L	05/19/14	HM	SW8260
Carbon tetrachloride	ND	10	ug/L	05/19/14	HM	SW8260
Chlorobenzene	ND	10	ug/L	05/19/14	HM	SW8260
Chloroform	ND	10	ug/L	05/19/14	HM	SW8260
Methyl ethyl ketone	ND	10	ug/L	05/19/14	HM	SW8260
Tetrachloroethene	ND	10	ug/L	05/19/14	HM	SW8260
Trichloroethene	ND	10	ug/L	05/19/14	HM	SW8260
Vinyl chloride	ND	10	ug/L	05/19/14	HM	SW8260
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	103		%	05/19/14	HM	70 - 130 %
% Bromofluorobenzene	99		%	05/19/14	HM	70 - 130 %
% Dibromofluoromethane	98		%	05/19/14	HM	70 - 130 %
% Toluene-d8	103		%	05/19/14	HM	70 - 130 %
TCLP Acid/Base-Neutral						
1,4-Dichlorobenzene	ND	83	ug/L	05/20/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	83	ug/L	05/20/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	83	ug/L	05/20/14	DD	SW 8270
2,4-Dinitrotoluene	ND	83	ug/L	05/20/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	83	ug/L	05/20/14	DD	SW 8270
3&4-Methylphenol (m&p-Cresol)	ND	83	ug/L	05/20/14	DD	SW 8270
Hexachlorobenzene	ND	83	ug/L	05/20/14	DD	SW 8270
Hexachlorobutadiene	ND	83	ug/L	05/20/14	DD	SW 8270
Hexachloroethane	ND	83	ug/L	05/20/14	DD	SW 8270
Nitrobenzene	ND	83	ug/L	05/20/14	DD	SW 8270
Pentachlorophenol	ND	83	ug/L	05/20/14	DD	SW 8270
Pyridine	ND	83	ug/L	05/20/14	DD	SW 8270
QA/QC Surrogates						
% 2,4,6-Tribromophenol	90		%	05/20/14	DD	15 - 110 %
% 2-Fluorobiphenyl	81		%	05/20/14	DD	30 - 130 %
% 2-Fluorophenol	78		%	05/20/14	DD	15 - 110 %
% Nitrobenzene-d5	84		%	05/20/14	DD	30 - 130 %
% Phenol-d5	63		%	05/20/14	DD	15 - 110 %
% Terphenyl-d14	112		%	05/20/14	DD	30 - 130 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

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

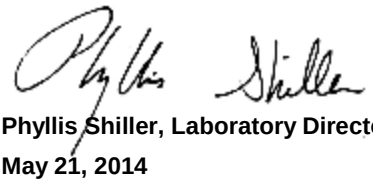
Comments:

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

TPH Comment:
**Petroleum hydrocarbon chromatogram most closely resembles motor oil. 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.

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



Phyllis Shiller, Laboratory Director
May 21, 2014
Reviewed and Released by: Bobbi Aloisa, Vice President

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

May 21, 2014

QA/QC Data

SDG I.D.: GBG45692

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 274675, QC Sample No: BG45453 (BG45692, BG45693, BG45694, BG45695)												
ICP Metals - TCLP Extraction												
Arsenic	BRL	0.04	<0.10	NC	112	113	0.9	106	105	0.9	75 - 125	20
Barium	BRL	0.87	0.72	18.9	101	100	1.0	103	103	0.0	75 - 125	20
Cadmium	BRL	<0.050	<0.050	NC	101	100	1.0	99.5	99.0	0.5	75 - 125	20
Chromium	BRL	<0.10	<0.10	NC	102	102	0.0	102	101	1.0	75 - 125	20
Lead	BRL	0.66	0.54	20.0	101	101	0.0	102	102	0.0	75 - 125	20
Selenium	BRL	<0.10	<0.10	NC	114	116	1.7	106	107	0.9	75 - 125	20
Silver	BRL	<0.10	<0.10	NC	106	105	0.9	101	101	0.0	75 - 125	20
QA/QC Batch 274674, QC Sample No: BG45787 (BG45694, BG45695)												
Mercury - Water	BRL	<0.0002	<0.0002	NC	105	109	3.7	100	101	1.0	70 - 130	20

Comment:

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

Environmental Laboratories, Inc.
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QA/QC Report

May 21, 2014

QA/QC Data

SDG I.D.: GBG45692

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 274670, QC Sample No: BG45520 (BG45692, BG45693, BG45694, BG45695)												
Flash Point		>200	>200	NC	100						85 - 115	30

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

QA/QC Report

May 21, 2014

QA/QC Data

SDG I.D.: GBG45692

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 274752, QC Sample No: BG45453 (BG45692, BG45693, BG45694, BG45695)										
Semivolatiles										
1,4-Dichlorobenzene	ND	94	96	2.1				30 - 130	20	
2,4,5-Trichlorophenol	ND	109	114	4.5				30 - 130	20	
2,4,6-Trichlorophenol	ND	109	113	3.6				30 - 130	20	
2,4-Dinitrotoluene	ND	104	108	3.8				30 - 130	20	
2-Methylphenol (o-cresol)	ND	94	96	2.1				30 - 130	20	
3&4-Methylphenol (m&p-cresol)	ND	97	99	2.0				30 - 130	20	
Hexachlorobenzene	ND	114	118	3.4				30 - 130	20	
Hexachlorobutadiene	ND	91	94	3.2				30 - 130	20	
Hexachloroethane	ND	102	105	2.9				30 - 130	20	
Nitrobenzene	ND	112	115	2.6				30 - 130	20	
Pentachlorophenol	ND	118	120	1.7				30 - 130	20	
Pyridine	ND	52	54	3.8				30 - 130	20	
% 2,4,6-Tribromophenol	98	122	124	1.6				15 - 110	20	I
% 2-Fluorobiphenyl	70	92	94	2.2				30 - 130	20	
% 2-Fluorophenol	69	82	83	1.2				15 - 110	20	
% Nitrobenzene-d5	83	103	105	1.9				30 - 130	20	
% Phenol-d5	59	72	73	1.4				15 - 110	20	
% Terphenyl-d14	100	116	119	2.6				30 - 130	20	

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

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%)

QA/QC Batch 274591, QC Sample No: BG45454 (BG45692, BG45693, BG45694, BG45695)										
Total Petroleum Hydrocarbons - Soil										
% n-Pentacosane	83	75	95	23.5	50	40	22.2	50 - 150	30	m
QA/QC Batch 274818, QC Sample No: BG46238 (BG45692 (2X) , BG45693 (2X) , BG45694 (2X) , BG45695 (2X))										
Volatiles - TCLP										
1,1-Dichloroethene	ND	102	93	9.2	87	86	1.2	70 - 130	30	
1,2-Dichloroethane	ND	108	98	9.7	88	90	2.2	70 - 130	30	
Benzene	ND	104	96	8.0	87	88	1.1	70 - 130	30	
Carbon tetrachloride	ND	107	99	7.8	91	91	0.0	70 - 130	30	
Chlorobenzene	ND	106	98	7.8	85	87	2.3	70 - 130	30	
Chloroform	ND	105	96	9.0	88	88	0.0	70 - 130	30	
Methyl ethyl ketone	ND	103	98	5.0	82	97	16.8	70 - 130	30	
Tetrachloroethene	ND	106	99	6.8	88	87	1.1	70 - 130	30	
Trichloroethene	ND	108	100	7.7	87	89	2.3	70 - 130	30	
Vinyl chloride	ND	110	96	13.6	87	92	5.6	70 - 130	30	
% 1,2-dichlorobenzene-d4	101	101	102	1.0	102	101	1.0	70 - 130	30	
% Bromofluorobenzene	97	100	99	1.0	101	101	0.0	70 - 130	30	
% Dibromofluoromethane	99	99	100	1.0	98	99	1.0	70 - 130	30	

QA/QC Data

SDG I.D.: GBG45692

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
% Toluene-d8	99	99	99	0.0	99	102	3.0	70 - 130	30

Comment:

A blank MS/MSD was analyzed with this batch.

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

l = This parameter is outside laboratory lcs/lcsd specified recovery limits.
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
May 21, 2014

Sample Criteria Exceedences Report

GBG45692 - HARPER

Criteria: None

State: VT

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

*** No Data to Display ***

Cooler: Yes [✓] No [ ]
Coolant: IPK [✓] ICE [ ] No [ ]
Temp 4 °C Pg of

PHOENIX
Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD
CLARK POMFRET

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

Contact Options:
[ ] Fax:
[ ] Phone:
[✓] Email: chapco@snet.net

Customer: Harper Environmental Associates
Address: 1811 Hale Hollow Road
Bridgewater, VT 05035

Project: CLARK POMFRET
Report to: HEA
Invoice to:

Project P.O:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: [signature] Date: 5/15/14

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	✱ TCLP Metals (Pb+Cadmium)	TCLP VOC	TCLP SVOC	TPH	Ignitability	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container ( ) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [X] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
45692	AREA 1	S	5/15	12⁻	X	X	X	X	X						2				
45693	AREA 2	S	"	12 15	X	X	X	X	X						2				
45694	AREA 3 ✱	S	"	12 35	X	X	X	X	X						2				
45695	AREA 4 ✱	S	↓	1250	X	X	X	X	X						2				

Relinquished by:	Accepted by:	Date:	Time:
[signature] UPS	[signature]	5/15/14	4:00 pm
		5/16/14	14:44

Comments, Special Requirements or Regulations:
Lead + Cadmium for TCLP metals
✱ Analyze TCLP 8 metals per attached. SW

Turnaround:
[ ] 1 Day*
[ ] 2 Days*
[ ] 3 Days*
[X] 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: VT

Data Format
[ ] Excel
[ ] PDF
[ ] GIS/Key
[ ] EQuIS
[ ] Other

Data Package
[ ] Tier II Checklist
[ ] Full Data Package*
[ ] Phoenix Std Report
[ ] Other

* SURCHARGE APPLIES

GBG 45692

Shannon - Phoenixlabs

From: Bobbi - Phoenixlabs [bobbi@phoenixlabs.com]
Sent: Friday, May 16, 2014 10:53 AM
To: 'Laura Kinnin'; 'Shannon - Phoenixlabs'; 'Lori - Phoenixlabs'; 'Lisa - phoenixlab.com'
Subject: Clark Pomfret

From: Kathy C - Phoenix Environmental Labs [mailto:kathy@phoenixlabs.com]
Sent: Friday, May 16, 2014 10:41 AM
To: 'Bobbi - Phoenixlabs'
Subject: FW: Clark Pomfret

I don't know why he's sending it to me. I told him I would pass along to client services.

From: Cliff Harper [mailto:charper@sover.net]
Sent: Thursday, May 15, 2014 6:59 PM
To: 'Kathy C - Phoenix Environmental Labs'
Subject: Clark Pomfret

Hi Kathy: You will be receiving 8 samples from 4 sample locations tomorrow. Labeled as areas 1, 2, 3 and 4. (2 bottles each)
In Areas 3 and 4 could you run full RCRA 8 TCLP metals? (Areas 1 and 2 need only TCLP Pb and Cadmium).

Thank You,
Cliff Harper, PG
HARPER ENVIRONMENTAL
1811 Hale Hollow Road
Bridgewater Crns, VT 05035
802.672 . 6112 office
215.932 . 5508 cell
www.harperenvironmental.com

PHOENIX
Environmental Laboratories, Inc.

Friday, March 28, 2014

Attn: Mr. Cliff Harper
Harper Environmental Associates
1811 Hale Hollow Rd
Bridgewater Corners, VT 05035

Project ID: CLARK POMFRET
Sample ID#s: BG23214 - BG23218

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.

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

March 28, 2014

FOR: Attn: Mr. Cliff Harper
Harper Environmental Associates
1811 Hale Hollow Rd
Bridgewater Corners, VT 05035

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/25/14	9:00
Location Code:	HARPER	Received by:	LK	03/26/14	10:30
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG23214
Phoenix ID: BG23214

Project ID: CLARK POMFRET
Client ID: S-1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	97		%	03/26/14	I	E160.3
Extraction for PCB	Completed			03/26/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	170	ug/Kg	03/27/14	AW	3540C/8082
PCB-1221	ND	170	ug/Kg	03/27/14	AW	3540C/8082
PCB-1232	ND	170	ug/Kg	03/27/14	AW	3540C/8082
PCB-1242	ND	170	ug/Kg	03/27/14	AW	3540C/8082
PCB-1248	ND	170	ug/Kg	03/27/14	AW	3540C/8082
PCB-1254	ND	170	ug/Kg	03/27/14	AW	3540C/8082
PCB-1260	ND	170	ug/Kg	03/27/14	AW	3540C/8082
PCB-1262	ND	170	ug/Kg	03/27/14	AW	3540C/8082
PCB-1268	ND	170	ug/Kg	03/27/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	89		%	03/27/14	AW	30 - 150 %
% TCMX	84		%	03/27/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

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

Comments:

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.
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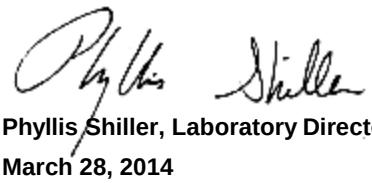

Phyllis Shiller, Laboratory Director
March 28, 2014
Reviewed and Released by: Bobbi Aloisa, Vice President

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

Analysis Report

March 28, 2014

FOR: Attn: Mr. Cliff Harper
Harper Environmental Associates
1811 Hale Hollow Rd
Bridgewater Corners, VT 05035

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/25/14	9:15
Location Code:	HARPER	Received by:	LK	03/26/14	10:30
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG23214
Phoenix ID: BG23215

Project ID: CLARK POMFRET
Client ID: S-2

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	96		%	03/26/14	I	E160.3
Extraction for PCB	Completed			03/26/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	170	ug/Kg	03/27/14	AW	3540C/8082
PCB-1221	ND	170	ug/Kg	03/27/14	AW	3540C/8082
PCB-1232	ND	170	ug/Kg	03/27/14	AW	3540C/8082
PCB-1242	ND	170	ug/Kg	03/27/14	AW	3540C/8082
PCB-1248	ND	170	ug/Kg	03/27/14	AW	3540C/8082
PCB-1254	ND	170	ug/Kg	03/27/14	AW	3540C/8082
PCB-1260	ND	170	ug/Kg	03/27/14	AW	3540C/8082
PCB-1262	ND	170	ug/Kg	03/27/14	AW	3540C/8082
PCB-1268	ND	170	ug/Kg	03/27/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	89		%	03/27/14	AW	30 - 150 %
% TCMX	90		%	03/27/14	AW	30 - 150 %

Project ID: CLARK POMFRET
Client ID: S-2

Phoenix I.D.: BG23215

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

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

Comments:

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Phyllis Shiller, Laboratory Director
March 28, 2014
Reviewed and Released by: Bobbi Aloisa, Vice President

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

Analysis Report

March 28, 2014

FOR: Attn: Mr. Cliff Harper
Harper Environmental Associates
1811 Hale Hollow Rd
Bridgewater Corners, VT 05035

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/25/14	9:30
Location Code:	HARPER	Received by:	LK	03/26/14	10:30
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG23214
Phoenix ID: BG23216

Project ID: CLARK POMFRET
Client ID: S-3

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	96		%	03/26/14	I	E160.3
Extraction for PCB	Completed			03/26/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	170	ug/Kg	03/27/14	AW	3540C/8082
PCB-1221	ND	170	ug/Kg	03/27/14	AW	3540C/8082
PCB-1232	ND	170	ug/Kg	03/27/14	AW	3540C/8082
PCB-1242	ND	170	ug/Kg	03/27/14	AW	3540C/8082
PCB-1248	ND	170	ug/Kg	03/27/14	AW	3540C/8082
PCB-1254	ND	170	ug/Kg	03/27/14	AW	3540C/8082
PCB-1260	ND	170	ug/Kg	03/27/14	AW	3540C/8082
PCB-1262	ND	170	ug/Kg	03/27/14	AW	3540C/8082
PCB-1268	ND	170	ug/Kg	03/27/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	85		%	03/27/14	AW	30 - 150 %
% TCMX	90		%	03/27/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

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

Comments:

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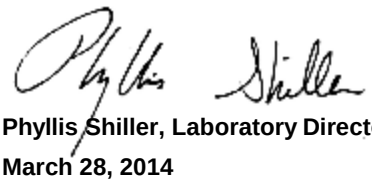

Phyllis Shiller, Laboratory Director
March 28, 2014
Reviewed and Released by: Bobbi Aloisa, Vice President

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

Analysis Report

March 28, 2014

FOR: Attn: Mr. Cliff Harper
Harper Environmental Associates
1811 Hale Hollow Rd
Bridgewater Corners, VT 05035

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/25/14	9:45
Location Code:	HARPER	Received by:	LK	03/26/14	10:30
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG23214
Phoenix ID: BG23217

Project ID: CLARK POMFRET
Client ID: S-4

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	96		%	03/26/14	I	E160.3
Extraction for PCB	Completed			03/26/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	170	ug/Kg	03/27/14	AW	3540C/8082
PCB-1221	ND	170	ug/Kg	03/27/14	AW	3540C/8082
PCB-1232	ND	170	ug/Kg	03/27/14	AW	3540C/8082
PCB-1242	ND	170	ug/Kg	03/27/14	AW	3540C/8082
PCB-1248	ND	170	ug/Kg	03/27/14	AW	3540C/8082
PCB-1254	ND	170	ug/Kg	03/27/14	AW	3540C/8082
PCB-1260	ND	170	ug/Kg	03/27/14	AW	3540C/8082
PCB-1262	ND	170	ug/Kg	03/27/14	AW	3540C/8082
PCB-1268	ND	170	ug/Kg	03/27/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	86		%	03/27/14	AW	30 - 150 %
% TCMX	89		%	03/27/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

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

Comments:

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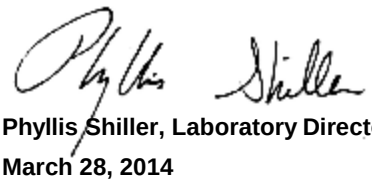

Phyllis Shiller, Laboratory Director
March 28, 2014
Reviewed and Released by: Bobbi Aloisa, Vice President

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

Analysis Report

March 28, 2014

FOR: Attn: Mr. Cliff Harper
Harper Environmental Associates
1811 Hale Hollow Rd
Bridgewater Corners, VT 05035

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/25/14	10:00
Location Code:	HARPER	Received by:	LK	03/26/14	10:30
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG23214
Phoenix ID: BG23218

Project ID: CLARK POMFRET
Client ID: S-5

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	96		%	03/26/14	I	E160.3
Extraction for PCB	Completed			03/26/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	170	ug/Kg	03/27/14	AW	3540C/8082
PCB-1221	ND	170	ug/Kg	03/27/14	AW	3540C/8082
PCB-1232	ND	170	ug/Kg	03/27/14	AW	3540C/8082
PCB-1242	ND	170	ug/Kg	03/27/14	AW	3540C/8082
PCB-1248	ND	170	ug/Kg	03/27/14	AW	3540C/8082
PCB-1254	ND	170	ug/Kg	03/27/14	AW	3540C/8082
PCB-1260	ND	170	ug/Kg	03/27/14	AW	3540C/8082
PCB-1262	ND	170	ug/Kg	03/27/14	AW	3540C/8082
PCB-1268	ND	170	ug/Kg	03/27/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	86		%	03/27/14	AW	30 - 150 %
% TCMX	90		%	03/27/14	AW	30 - 150 %

Project ID: CLARK POMFRET
Client ID: S-5

Phoenix I.D.: BG23218

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

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

Comments:

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Phyllis Shiller, Laboratory Director
March 28, 2014
Reviewed and Released by: Bobbi Aloisa, Vice President

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

March 28, 2014

QA/QC Data

SDG I.D.: GBG23214

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 269812, QC Sample No: BG23216 (BG23214, BG23215, BG23216, BG23217, BG23218)									
Polychlorinated Biphenyls - Solid									
PCB-1016	ND	93	95	2.1	98	94	4.2	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	101	102	1.0	105	104	1.0	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	100	101	102	1.0	105	102	2.9	30 - 150	30
% TCMX (Surrogate Rec)	101	104	105	1.0	106	102	3.8	30 - 150	30

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

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

Phyllis Shiller, Laboratory Director
March 28, 2014

Sample Criteria Exceedences Report

GBG23214 - HARPER

Criteria: None

State: VT

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

*** No Data to Display ***

Cooler: Yes [X] No [ ]
Coolant: IPK [X] ICE [ ] No [ ]

CHAIN OF CUSTODY RECORD

Temp 3 °C Pg of

PHOENIX Environmental Laboratories, Inc.

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

Contact Options:
[ ] Fax:
[X] Phone: 802-672-6112
[X] Email: charper@sover.net

Customer: Harper Environmental Associates
Address: 1811 Hale Hollow Road
Bridgewater Corners, VT 05035

Project: Clark Pomfret
Report to: HEA
Invoice to:

Project P.O:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: [signature] Date: 3/25/14

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: PCB in Soil 8082

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	PCB in Soil 8082	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container (4) oz	GL Soil container ( ) 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 Bottle
23214	S-1	S	3/25/14	9:00	X		1								
23215	S-2	S	3/25/14	9:15	X		1								
23216	S-3	S	3/25/14	9:30	X		1								
23217	S-4	S	3/25/14	9:45	X		1								
23218	S-5	S	3/25/14	10:00	X		1								

Relinquished by:	Accepted by:	Date:	Time:
[signature]		3/25/14	1:00 pm
FedEx	[signature]	3/26/14	10:30

Comments, Special Requirements or Regulations:

EPA Method 8082 PCB in Soil

Detection Limit must be atleast 0.22 mg/kg

Turnaround:
[ ] 1 Day*
[ ] 2 Days*
[ ] 3 Days*
[X] 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: VT

Data Format
[ ] Excel
[ ] PDF
[ ] GIS/Key
[ ] EQuIS
[ ] Other

Data Package
[ ] Tier II Checklist
[ ] Full Data Package*
[ ] Phoenix Std Report
[ ] Other

* SURCHARGE APPLIES

PHOENIX
Environmental Laboratories, Inc.

Wednesday, August 27, 2014

Attn: Mr. Cliff Harper
Harper Environmental Associates
1811 Hale Hollow Rd
Bridgewater Corners, VT 05035

Project ID: CLARK/POMFRET
Sample ID#s: BG92628 - BG92638

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.

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.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. 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

August 27, 2014

FOR: Attn: Mr. Cliff Harper
Harper Environmental Associates
1811 Hale Hollow Rd
Bridgewater Corners, VT 05035

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		08/12/14	13:00
Location Code:	HARPER	Received by:	LB	08/13/14	11:01
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG92628
Phoenix ID: BG92628

Project ID: CLARK/POMFRET
Client ID: S1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	98		%	08/13/14	I	E160.3
Soil Extraction for PCB	Completed			08/13/14	BB/H	SW3545
Polychlorinated Biphenyls						
PCB-1016	ND	170	ug/Kg	08/14/14	AW	SW 8082
PCB-1221	ND	170	ug/Kg	08/14/14	AW	SW 8082
PCB-1232	ND	170	ug/Kg	08/14/14	AW	SW 8082
PCB-1242	ND	170	ug/Kg	08/14/14	AW	SW 8082
PCB-1248	ND	170	ug/Kg	08/14/14	AW	SW 8082
PCB-1254	ND	170	ug/Kg	08/14/14	AW	SW 8082
PCB-1260	170	170	ug/Kg	08/14/14	AW	SW 8082
PCB-1262	ND	170	ug/Kg	08/14/14	AW	SW 8082
PCB-1268	ND	170	ug/Kg	08/14/14	AW	SW 8082
QA/QC Surrogates						
% DCBP	122		%	08/14/14	AW	30 - 150 %
% TCMX	111		%	08/14/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

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

Comments:

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

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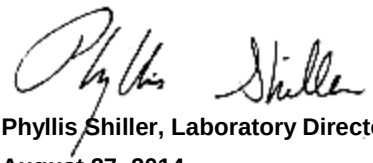

Phyllis Shiller, Laboratory Director
August 27, 2014
Reviewed and Released by: Sarah Bell, Project Manager

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

Analysis Report

August 27, 2014

FOR: Attn: Mr. Cliff Harper
Harper Environmental Associates
1811 Hale Hollow Rd
Bridgewater Corners, VT 05035

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		08/12/14	13:00
Location Code:	HARPER	Received by:	LB	08/13/14	11:01
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG92628
Phoenix ID: BG92629

Project ID: CLARK/POMFRET
Client ID: S2

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	97		%	08/13/14	I	E160.3
Soil Extraction for PCB	Completed			08/13/14	BB/H	SW3545
Polychlorinated Biphenyls						
PCB-1016	ND	170	ug/Kg	08/14/14	AW	SW 8082
PCB-1221	ND	170	ug/Kg	08/14/14	AW	SW 8082
PCB-1232	ND	170	ug/Kg	08/14/14	AW	SW 8082
PCB-1242	ND	170	ug/Kg	08/14/14	AW	SW 8082
PCB-1248	ND	170	ug/Kg	08/14/14	AW	SW 8082
PCB-1254	ND	170	ug/Kg	08/14/14	AW	SW 8082
PCB-1260	ND	170	ug/Kg	08/14/14	AW	SW 8082
PCB-1262	ND	170	ug/Kg	08/14/14	AW	SW 8082
PCB-1268	ND	170	ug/Kg	08/14/14	AW	SW 8082
QA/QC Surrogates						
% DCBP	117		%	08/14/14	AW	30 - 150 %
% TCMX	108		%	08/14/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

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

Comments:

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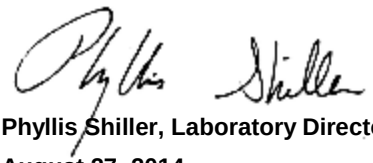

Phyllis Shiller, Laboratory Director

August 27, 2014

Reviewed and Released by: Sarah Bell, 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

August 27, 2014

FOR: Attn: Mr. Cliff Harper
Harper Environmental Associates
1811 Hale Hollow Rd
Bridgewater Corners, VT 05035

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		08/12/14	13:00
Location Code:	HARPER	Received by:	LB	08/13/14	11:01
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG92628
Phoenix ID: BG92630

Project ID: CLARK/POMFRET
Client ID: S3

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	93		%	08/13/14	I	E160.3
Soil Extraction for PCB	Completed			08/13/14	BB/H	SW3545
Polychlorinated Biphenyls						
PCB-1016	ND	350	ug/Kg	08/14/14	AW	SW 8082
PCB-1221	ND	350	ug/Kg	08/14/14	AW	SW 8082
PCB-1232	ND	350	ug/Kg	08/14/14	AW	SW 8082
PCB-1242	ND	350	ug/Kg	08/14/14	AW	SW 8082
PCB-1248	ND	350	ug/Kg	08/14/14	AW	SW 8082
PCB-1254	ND	350	ug/Kg	08/14/14	AW	SW 8082
PCB-1260	460	350	ug/Kg	08/14/14	AW	SW 8082
PCB-1262	ND	350	ug/Kg	08/14/14	AW	SW 8082
PCB-1268	ND	350	ug/Kg	08/14/14	AW	SW 8082
QA/QC Surrogates						
% DCBP	67		%	08/14/14	AW	30 - 150 %
% TCMX	65		%	08/14/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

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

Comments:

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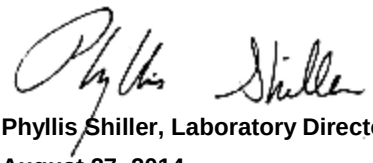

Phyllis Shiller, Laboratory Director

August 27, 2014

Reviewed and Released by: Sarah Bell, 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

August 27, 2014

FOR: Attn: Mr. Cliff Harper
Harper Environmental Associates
1811 Hale Hollow Rd
Bridgewater Corners, VT 05035

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		08/12/14	13:00
Location Code:	HARPER	Received by:	LB	08/13/14	11:01
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG92628
Phoenix ID: BG92631

Project ID: CLARK/POMFRET
Client ID: S4

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	94		%	08/13/14	I	E160.3
Soil Extraction for PCB	Completed			08/13/14	BB/H	SW3545
Polychlorinated Biphenyls						
PCB-1016	ND	180	ug/Kg	08/14/14	AW	SW 8082
PCB-1221	ND	180	ug/Kg	08/14/14	AW	SW 8082
PCB-1232	ND	180	ug/Kg	08/14/14	AW	SW 8082
PCB-1242	ND	180	ug/Kg	08/14/14	AW	SW 8082
PCB-1248	ND	180	ug/Kg	08/14/14	AW	SW 8082
PCB-1254	ND	180	ug/Kg	08/14/14	AW	SW 8082
PCB-1260	190	180	ug/Kg	08/14/14	AW	SW 8082
PCB-1262	ND	180	ug/Kg	08/14/14	AW	SW 8082
PCB-1268	ND	180	ug/Kg	08/14/14	AW	SW 8082
QA/QC Surrogates						
% DCBP	117		%	08/14/14	AW	30 - 150 %
% TCMX	107		%	08/14/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

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

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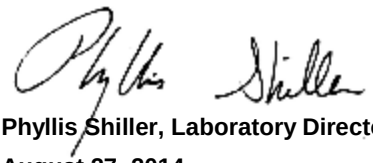

Phyllis Shiller, Laboratory Director
August 27, 2014
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Analysis Report

August 27, 2014

FOR: Attn: Mr. Cliff Harper
Harper Environmental Associates
1811 Hale Hollow Rd
Bridgewater Corners, VT 05035

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		08/12/14	13:00
Location Code:	HARPER	Received by:	LB	08/13/14	11:01
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG92628
Phoenix ID: BG92632

Project ID: CLARK/POMFRET
Client ID: S5

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	97		%	08/13/14	I	E160.3
Soil Extraction for PCB	Completed			08/13/14	BB/H	SW3545
Polychlorinated Biphenyls						
PCB-1016	ND	170	ug/Kg	08/14/14	AW	SW 8082
PCB-1221	ND	170	ug/Kg	08/14/14	AW	SW 8082
PCB-1232	ND	170	ug/Kg	08/14/14	AW	SW 8082
PCB-1242	ND	170	ug/Kg	08/14/14	AW	SW 8082
PCB-1248	ND	170	ug/Kg	08/14/14	AW	SW 8082
PCB-1254	ND	170	ug/Kg	08/14/14	AW	SW 8082
PCB-1260	ND	170	ug/Kg	08/14/14	AW	SW 8082
PCB-1262	ND	170	ug/Kg	08/14/14	AW	SW 8082
PCB-1268	ND	170	ug/Kg	08/14/14	AW	SW 8082
QA/QC Surrogates						
% DCBP	117		%	08/14/14	AW	30 - 150 %
% TCMX	115		%	08/14/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

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

Comments:

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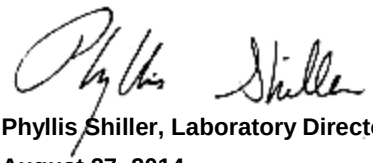

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Analysis Report

August 27, 2014

FOR: Attn: Mr. Cliff Harper
Harper Environmental Associates
1811 Hale Hollow Rd
Bridgewater Corners, VT 05035

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		08/12/14	13:00
Location Code:	HARPER	Received by:	LB	08/13/14	11:01
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG92628
Phoenix ID: BG92633

Project ID: CLARK/POMFRET
Client ID: S6

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	95		%	08/13/14	I	E160.3
Soil Extraction for PCB	Completed			08/13/14	BB/H	SW3545
Polychlorinated Biphenyls						
PCB-1016	ND	170	ug/Kg	08/14/14	AW	SW 8082
PCB-1221	ND	170	ug/Kg	08/14/14	AW	SW 8082
PCB-1232	ND	170	ug/Kg	08/14/14	AW	SW 8082
PCB-1242	ND	170	ug/Kg	08/14/14	AW	SW 8082
PCB-1248	ND	170	ug/Kg	08/14/14	AW	SW 8082
PCB-1254	ND	170	ug/Kg	08/14/14	AW	SW 8082
PCB-1260	ND	170	ug/Kg	08/14/14	AW	SW 8082
PCB-1262	ND	170	ug/Kg	08/14/14	AW	SW 8082
PCB-1268	ND	170	ug/Kg	08/14/14	AW	SW 8082
QA/QC Surrogates						
% DCBP	102		%	08/14/14	AW	30 - 150 %
% TCMX	104		%	08/14/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

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

Comments:

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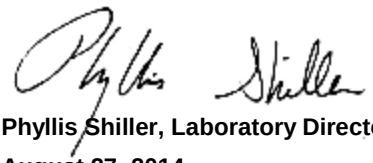

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Analysis Report

August 27, 2014

FOR: Attn: Mr. Cliff Harper
Harper Environmental Associates
1811 Hale Hollow Rd
Bridgewater Corners, VT 05035

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		08/12/14	13:00
Location Code:	HARPER	Received by:	LB	08/13/14	11:01
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG92628
Phoenix ID: BG92634

Project ID: CLARK/POMFRET
Client ID: S7

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	96		%	08/13/14	I	E160.3
Soil Extraction for PCB	Completed			08/13/14	BB/H	SW3545
Polychlorinated Biphenyls						
PCB-1016	ND	170	ug/Kg	08/14/14	AW	SW 8082
PCB-1221	ND	170	ug/Kg	08/14/14	AW	SW 8082
PCB-1232	ND	170	ug/Kg	08/14/14	AW	SW 8082
PCB-1242	ND	170	ug/Kg	08/14/14	AW	SW 8082
PCB-1248	ND	170	ug/Kg	08/14/14	AW	SW 8082
PCB-1254	ND	170	ug/Kg	08/14/14	AW	SW 8082
PCB-1260	ND	170	ug/Kg	08/14/14	AW	SW 8082
PCB-1262	ND	170	ug/Kg	08/14/14	AW	SW 8082
PCB-1268	ND	170	ug/Kg	08/14/14	AW	SW 8082
QA/QC Surrogates						
% DCBP	108		%	08/14/14	AW	30 - 150 %
% TCMX	106		%	08/14/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

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

Comments:

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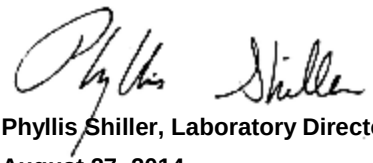

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Analysis Report

August 27, 2014

FOR: Attn: Mr. Cliff Harper
Harper Environmental Associates
1811 Hale Hollow Rd
Bridgewater Corners, VT 05035

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		08/12/14	13:00
Location Code:	HARPER	Received by:	LB	08/13/14	11:01
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG92628
Phoenix ID: BG92635

Project ID: CLARK/POMFRET
Client ID: S8

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	97		%	08/13/14	I	E160.3
Soil Extraction for PCB	Completed			08/13/14	BB/H	SW3545
Polychlorinated Biphenyls						
PCB-1016	ND	170	ug/Kg	08/14/14	AW	SW 8082
PCB-1221	ND	170	ug/Kg	08/14/14	AW	SW 8082
PCB-1232	ND	170	ug/Kg	08/14/14	AW	SW 8082
PCB-1242	ND	170	ug/Kg	08/14/14	AW	SW 8082
PCB-1248	ND	170	ug/Kg	08/14/14	AW	SW 8082
PCB-1254	ND	170	ug/Kg	08/14/14	AW	SW 8082
PCB-1260	ND	170	ug/Kg	08/14/14	AW	SW 8082
PCB-1262	ND	170	ug/Kg	08/14/14	AW	SW 8082
PCB-1268	ND	170	ug/Kg	08/14/14	AW	SW 8082
QA/QC Surrogates						
% DCBP	111		%	08/14/14	AW	30 - 150 %
% TCMX	112		%	08/14/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

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

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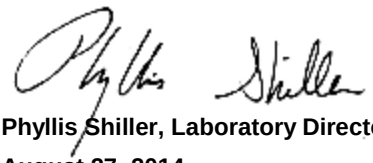

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Analysis Report

August 27, 2014

FOR: Attn: Mr. Cliff Harper
Harper Environmental Associates
1811 Hale Hollow Rd
Bridgewater Corners, VT 05035

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		08/12/14	13:00
Location Code:	HARPER	Received by:	LB	08/13/14	11:01
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG92628
Phoenix ID: BG92636

Project ID: CLARK/POMFRET
Client ID: S9

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	94		%	08/13/14	I	E160.3
Soil Extraction for PCB	Completed			08/13/14	BB/H	SW3545
Polychlorinated Biphenyls						
PCB-1016	ND	170	ug/Kg	08/14/14	AW	SW 8082
PCB-1221	ND	170	ug/Kg	08/14/14	AW	SW 8082
PCB-1232	ND	170	ug/Kg	08/14/14	AW	SW 8082
PCB-1242	ND	170	ug/Kg	08/14/14	AW	SW 8082
PCB-1248	ND	170	ug/Kg	08/14/14	AW	SW 8082
PCB-1254	ND	170	ug/Kg	08/14/14	AW	SW 8082
PCB-1260	ND	170	ug/Kg	08/14/14	AW	SW 8082
PCB-1262	ND	170	ug/Kg	08/14/14	AW	SW 8082
PCB-1268	ND	170	ug/Kg	08/14/14	AW	SW 8082
QA/QC Surrogates						
% DCBP	100		%	08/14/14	AW	30 - 150 %
% TCMX	102		%	08/14/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

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

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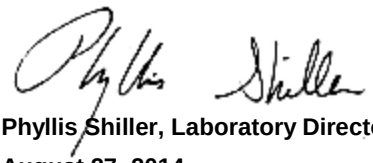

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Analysis Report

August 27, 2014

FOR: Attn: Mr. Cliff Harper
Harper Environmental Associates
1811 Hale Hollow Rd
Bridgewater Corners, VT 05035

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		08/12/14	13:00
Location Code:	HARPER	Received by:	LB	08/13/14	11:01
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG92628
Phoenix ID: BG92637

Project ID: CLARK/POMFRET
Client ID: S10

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	98		%	08/13/14	I	E160.3
Soil Extraction for PCB	Completed			08/13/14	BB/H	SW3545
Polychlorinated Biphenyls						
PCB-1016	ND	330	ug/Kg	08/14/14	AW	SW 8082
PCB-1221	ND	330	ug/Kg	08/14/14	AW	SW 8082
PCB-1232	ND	330	ug/Kg	08/14/14	AW	SW 8082
PCB-1242	ND	330	ug/Kg	08/14/14	AW	SW 8082
PCB-1248	ND	330	ug/Kg	08/14/14	AW	SW 8082
PCB-1254	ND	330	ug/Kg	08/14/14	AW	SW 8082
PCB-1260	2600	330	ug/Kg	08/14/14	AW	SW 8082
PCB-1262	ND	330	ug/Kg	08/14/14	AW	SW 8082
PCB-1268	ND	330	ug/Kg	08/14/14	AW	SW 8082
QA/QC Surrogates						
% DCBP	145		%	08/14/14	AW	30 - 150 %
% TCMX	146		%	08/14/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

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

Comments:

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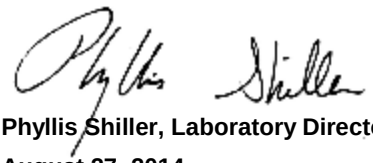

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Analysis Report

August 27, 2014

FOR: Attn: Mr. Cliff Harper
Harper Environmental Associates
1811 Hale Hollow Rd
Bridgewater Corners, VT 05035

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		08/12/14	13:00
Location Code:	HARPER	Received by:	LB	08/13/14	11:01
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG92628
Phoenix ID: BG92638

Project ID: CLARK/POMFRET
Client ID: S11

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	97		%	08/13/14	I	E160.3
Soil Extraction for PCB	Completed			08/13/14	BB/H	SW3545
Polychlorinated Biphenyls						
PCB-1016	ND	330	ug/Kg	08/14/14	AW	SW 8082
PCB-1221	ND	330	ug/Kg	08/14/14	AW	SW 8082
PCB-1232	ND	330	ug/Kg	08/14/14	AW	SW 8082
PCB-1242	ND	330	ug/Kg	08/14/14	AW	SW 8082
PCB-1248	ND	330	ug/Kg	08/14/14	AW	SW 8082
PCB-1254	ND	330	ug/Kg	08/14/14	AW	SW 8082
PCB-1260	480	330	ug/Kg	08/14/14	AW	SW 8082
PCB-1262	ND	330	ug/Kg	08/14/14	AW	SW 8082
PCB-1268	ND	330	ug/Kg	08/14/14	AW	SW 8082
QA/QC Surrogates						
% DCBP	107		%	08/14/14	AW	30 - 150 %
% TCMX	118		%	08/14/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

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

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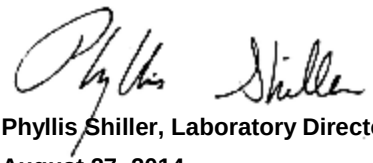

Phyllis Shiller, Laboratory Director

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QA/QC Report

August 27, 2014

QA/QC Data

SDG I.D.: GBG92628

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 283007, QC Sample No: BG91532 (BG92628, BG92629, BG92630, BG92631, BG92632, BG92633, BG92634, BG92635, BG92636, BG92637, BG92638)									
Polychlorinated Biphenyls - Soil									
PCB-1016	ND	94	94	0.0	92	89	3.3	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	95	94	1.1	91	86	5.6	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	98	99	101	2.0	97	92	5.3	30 - 150	30
% TCMX (Surrogate Rec)	101	100	102	2.0	98	95	3.1	30 - 150	30

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

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

Phyllis Shiller, Laboratory Director
August 27, 2014

Sample Criteria Exceedences Report

GBG92628 - HARPER

Criteria: None

State: VT

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

*** No Data to Display ***

Cooler: Yes [X] No [ ]
Coolant: IPK [X] ICE [ ] No [ ]

CHAIN OF CUSTODY RECORD

Temp 6 °C Pg of

PHOENIX Environmental Laboratories, Inc.

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

Contact Options:
[ ] Fax:
[X] Phone: (802) 672-6112
[X] Email: josh@harperenv.com

Customer: HARPER ENVIRONMENTAL ASSOC (HEA)
Address: 1811 HALE HOLLOW RD.
BRIDGEWATER CORS, VT, 05035

Project: CLARK / POMFRET
Report to: HEA
Invoice to: HEA

Project P.O:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: C. Stewart Date: 8/12/14

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

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	Analysis Request: Soil PCBs	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container (8) oz	GL Soil container ( ) 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 Bottle
92628	S1	S	8/12/14	1p	X		1								
92629	S2	"	"	"	X		1								
92630	S3	"	"	"	X		1								
92631	S4	"	"	"	X		1								
92632	S5	"	"	"	X		1								
92633	S6	"	"	"	X		1								
92634	S7	"	"	"	X		1								
92635	S8	"	"	"	X		1								
92636	S9	"	"	"	X		1								
92637	S10	"	"	"	X		1								
92638	S11	"	"	"	X		1								

Relinquished by:	Accepted by:	Date:	Time:
C. Stewart		8/12/14	3 pm
FedEx	[signature]	8/13/14	11:01

Comments, Special Requirements or Regulations:

Turnaround:
[ ] 1 Day*
[ ] 2 Days*
[X] 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: VT

Data Format
[ ] Excel
[ ] PDF
[ ] GIS/Key
[ ] EQuIS
[ ] Other

Data Package
[ ] Tier II Checklist
[ ] Full Data Package*
[ ] Phoenix Std Report
[ ] Other

* SURCHARGE APPLIES

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 14, 2014

FOR: Attn: Mr. Cliff Harper
Harper Environmental Associates
1811 Hale Hollow Rd
Bridgewater Corners, VT 05035

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	CH	09/04/14	9:00
Location Code:	HARPER	Received by:	SW	09/05/14	11:39
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH09246
Phoenix ID: BH09246

Project ID: CLARK POMFRET
Client ID: 6A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	90		%	09/06/14	I	E160.3
Soil Extraction for PCB	Completed			09/05/14	BB/H	SW3545
Polychlorinated Biphenyls						
PCB-1016	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1221	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1232	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1242	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1248	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1254	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1260	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1262	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1268	ND	180	ug/Kg	09/06/14	AW	SW 8082
QA/QC Surrogates						
% DCBP	98		%	09/06/14	AW	30 - 150 %
% TCMX	113		%	09/06/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

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

Comments:

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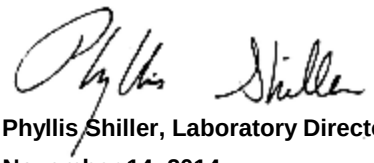

Phyllis Shiller, Laboratory Director
November 14, 2014

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 14, 2014

FOR: Attn: Mr. Cliff Harper
Harper Environmental Associates
1811 Hale Hollow Rd
Bridgewater Corners, VT 05035

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	CH	09/04/14	9:00
Location Code:	HARPER	Received by:	SW	09/05/14	11:39
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH09246
Phoenix ID: BH09247

Project ID: CLARK POMFRET
Client ID: 7A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	91		%	09/06/14	I	E160.3
Soil Extraction for PCB	Completed			09/05/14	BB/H	SW3545
Polychlorinated Biphenyls						
PCB-1016	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1221	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1232	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1242	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1248	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1254	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1260	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1262	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1268	ND	180	ug/Kg	09/06/14	AW	SW 8082
QA/QC Surrogates						
% DCBP	100		%	09/06/14	AW	30 - 150 %
% TCMX	116		%	09/06/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

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

Comments:

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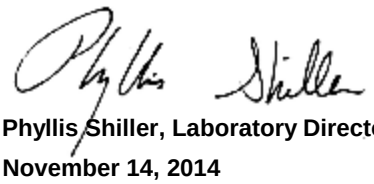

Phyllis Shiller, Laboratory Director
November 14, 2014

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 14, 2014

FOR: Attn: Mr. Cliff Harper
Harper Environmental Associates
1811 Hale Hollow Rd
Bridgewater Corners, VT 05035

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	CH	09/04/14	9:00
Location Code:	HARPER	Received by:	SW	09/05/14	11:39
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH09246
Phoenix ID: BH09248

Project ID: CLARK POMFRET
Client ID: 8A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	91		%	09/06/14	I	E160.3
Soil Extraction for PCB	Completed			09/05/14	BB/H	SW3545
Polychlorinated Biphenyls						
PCB-1016	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1221	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1232	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1242	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1248	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1254	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1260	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1262	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1268	ND	180	ug/Kg	09/06/14	AW	SW 8082
QA/QC Surrogates						
% DCBP	100		%	09/06/14	AW	30 - 150 %
% TCMX	113		%	09/06/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

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

Comments:

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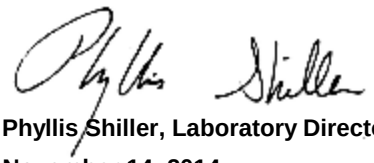

Phyllis Shiller, Laboratory Director
November 14, 2014

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 14, 2014

FOR: Attn: Mr. Cliff Harper
Harper Environmental Associates
1811 Hale Hollow Rd
Bridgewater Corners, VT 05035

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	CH	09/04/14	9:00
Location Code:	HARPER	Received by:	SW	09/05/14	11:39
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH09246
Phoenix ID: BH09249

Project ID: CLARK POMFRET
Client ID: 9A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	92		%	09/06/14	I	E160.3
Soil Extraction for PCB	Completed			09/05/14	BB/H	SW3545
Polychlorinated Biphenyls						
PCB-1016	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1221	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1232	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1242	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1248	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1254	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1260	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1262	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1268	ND	180	ug/Kg	09/06/14	AW	SW 8082
QA/QC Surrogates						
% DCBP	112		%	09/06/14	AW	30 - 150 %
% TCMX	120		%	09/06/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

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

Comments:

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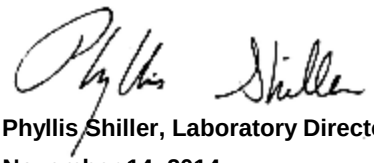

Phyllis Shiller, Laboratory Director
November 14, 2014

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 14, 2014

FOR: Attn: Mr. Cliff Harper
Harper Environmental Associates
1811 Hale Hollow Rd
Bridgewater Corners, VT 05035

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	CH	09/04/14	9:00
Location Code:	HARPER	Received by:	SW	09/05/14	11:39
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH09246
Phoenix ID: BH09250

Project ID: CLARK POMFRET
Client ID: 10A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	92		%	09/06/14	I	E160.3
Soil Extraction for PCB	Completed			09/05/14	BB/H	SW3545
Polychlorinated Biphenyls						
PCB-1016	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1221	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1232	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1242	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1248	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1254	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1260	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1262	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1268	ND	180	ug/Kg	09/06/14	AW	SW 8082
QA/QC Surrogates						
% DCBP	102		%	09/06/14	AW	30 - 150 %
% TCMX	110		%	09/06/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

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

Comments:

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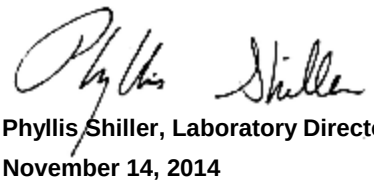

Phyllis Shiller, Laboratory Director
November 14, 2014

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 14, 2014

FOR: Attn: Mr. Cliff Harper
Harper Environmental Associates
1811 Hale Hollow Rd
Bridgewater Corners, VT 05035

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	CH	09/04/14	9:00
Location Code:	HARPER	Received by:	SW	09/05/14	11:39
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH09246
Phoenix ID: BH09251

Project ID: CLARK POMFRET
Client ID: 11A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	90		%	09/06/14	I	E160.3
Soil Extraction for PCB	Completed			09/05/14	BB/H	SW3545
Polychlorinated Biphenyls						
PCB-1016	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1221	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1232	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1242	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1248	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1254	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1260	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1262	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1268	ND	180	ug/Kg	09/06/14	AW	SW 8082
QA/QC Surrogates						
% DCBP	105		%	09/06/14	AW	30 - 150 %
% TCMX	116		%	09/06/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

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

Comments:

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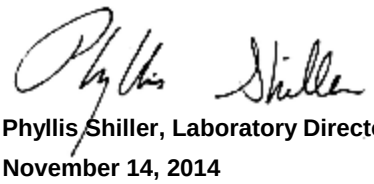

Phyllis Shiller, Laboratory Director
November 14, 2014

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 14, 2014

FOR: Attn: Mr. Cliff Harper
Harper Environmental Associates
1811 Hale Hollow Rd
Bridgewater Corners, VT 05035

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	CH	09/04/14	9:00
Location Code:	HARPER	Received by:	SW	09/05/14	11:39
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH09246
Phoenix ID: BH09252

Project ID: CLARK POMFRET
Client ID: S-3A FLOOR

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	91		%	09/06/14	I	E160.3
Soil Extraction for PCB	Completed			09/05/14	BB/H	SW3545
Polychlorinated Biphenyls						
PCB-1016	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1221	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1232	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1242	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1248	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1254	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1260	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1262	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1268	ND	180	ug/Kg	09/06/14	AW	SW 8082
QA/QC Surrogates						
% DCBP	105		%	09/06/14	AW	30 - 150 %
% TCMX	111		%	09/06/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

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

Comments:

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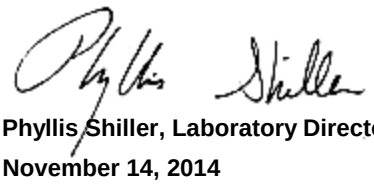


Phyllis Shiller, Laboratory Director
November 14, 2014

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 14, 2014

FOR: Attn: Mr. Cliff Harper
Harper Environmental Associates
1811 Hale Hollow Rd
Bridgewater Corners, VT 05035

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	CH	09/04/14	9:00
Location Code:	HARPER	Received by:	SW	09/05/14	11:39
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH09246
Phoenix ID: BH09253

Project ID: CLARK POMFRET
Client ID: S-10 SHALLOW

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	90		%	09/06/14	I	E160.3
Soil Extraction for PCB	Completed			09/05/14	BB/H	SW3545
Polychlorinated Biphenyls						
PCB-1016	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1221	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1232	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1242	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1248	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1254	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1260	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1262	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1268	ND	180	ug/Kg	09/06/14	AW	SW 8082
QA/QC Surrogates						
% DCBP	105		%	09/06/14	AW	30 - 150 %
% TCMX	113		%	09/06/14	AW	30 - 150 %

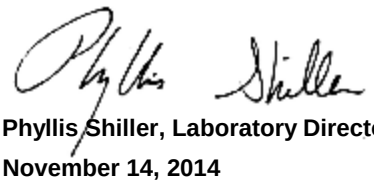
Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

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

Comments:

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.
This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director
November 14, 2014

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 14, 2014

FOR: Attn: Mr. Cliff Harper
Harper Environmental Associates
1811 Hale Hollow Rd
Bridgewater Corners, VT 05035

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	CH	09/04/14	9:00
Location Code:	HARPER	Received by:	SW	09/05/14	11:39
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH09246
Phoenix ID: BH09254

Project ID: CLARK POMFRET
Client ID: S-11 SHALLOW

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	92		%	09/06/14	I	E160.3
Soil Extraction for PCB	Completed			09/05/14	BB/H	SW3545
Polychlorinated Biphenyls						
PCB-1016	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1221	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1232	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1242	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1248	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1254	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1260	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1262	ND	180	ug/Kg	09/06/14	AW	SW 8082
PCB-1268	ND	180	ug/Kg	09/06/14	AW	SW 8082
QA/QC Surrogates						
% DCBP	105		%	09/06/14	AW	30 - 150 %
% TCMX	111		%	09/06/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

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

Comments:

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.
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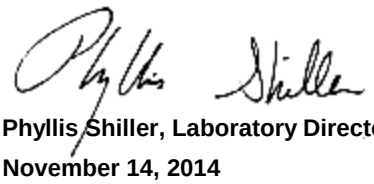

Phyllis Shiller, Laboratory Director
November 14, 2014

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 14, 2014

QA/QC Data

SDG I.D.: GBH09246

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 285399, QC Sample No: BH09254 (BH09246, BH09247, BH09248, BH09249, BH09250, BH09251, BH09252, BH09253, BH09254)									
Polychlorinated Biphenyls - Solid									
PCB-1016	ND	92	90	2.2	93	94	1.1	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	97	96	1.0	95	100	5.1	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	100	102	107	4.8	101	106	4.8	30 - 150	30
% TCMX (Surrogate Rec)	94	92	102	10.3	93	94	1.1	30 - 150	30

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

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

Phyllis Shiller, Laboratory Director
November 14, 2014

Sample Criteria Exceedences Report

GBH09246 - HARPER

Criteria: None

State: VT

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

*** No Data to Display ***

Cooler: Yes [X] No [ ]
Coolant: IPK [X] ICE [ ] 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 of

Contact Options:
[ ] Fax:
[ ] Phone:
[X] Email:

Customer: HARPER ENV.
Address: PLYMOUTH VT

Project: CLARK POMFRET
Report to: HARPER ENV.
Invoice to: HEA

Project P.O:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: Cliff Harper Date: SEPT 4-14

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	PCBs in Soil	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container ( ) oz	GL Soil container (4) 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 Bottle
09246	6A	S	9/4	900	X			1							
09247	7A				X			1							
09248	8A				X			1							
09249	9A				X			1							
09250	10A				X			1							
09251	11A				X			1							
09252	S-3A FLOUR				X			1							
09253	S-10 SHALLOW				X			1							
09254	S-11 SHALLOW	↓	↓	↓	X			1							

Relinquished by:	Accepted by:	Date:	Time:
Cliff Harper UPS	CParadiso	9/5/14	1139

Comments, Special Requirements or Regulations:

DETECTION MUST B < .20 mg/l

Turnaround:
[ ] 1 Day*
[ ] 2 Days*
[ ] 3 Days*
[X] 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: VT

Data Format
[ ] Excel
[ ] PDF
[ ] GIS/Key
[ ] EQuIS
[ ] Other

Data Package
[ ] Tier II Checklist
[ ] Full Data Package*
[ ] Phoenix Std Report
[ ] Other
* SURCHARGE APPLIES