SR-09-1958

REDWOOD
ENVIRONMENTAL GROUP, LLC

July 15, 2019

Project 201942

Ms. Kelley Owens
Rhode Island Department of Environmental Management
Office of Waste Management
235 Promenade Street
Providence, RI 02908

RE: Release Notification
Residential Property
32 & 33 Exchange Street
Plat 85/1, Lots 87 & 382
East Greenwich, Rhode Island 02818

Dear Ms. Owens:

Redwood Environmental Group, LLC (Redwood), on behalf of Grenier Properties, Inc., has completed the attached Rhode Island Department of Environmental Management (RI DEM) Office of Waste Management Hazardous Material Release Notification Form for the address listed above (the Site). This notification includes the following documents:

- RI DEM Hazardous Material Release Notification Form
- Letter Report with Laboratory Data Sheets (June 16, 2019)

As part of a redevelopment of the property as condominiums and the fact that vehicles had been parked on the Site from at least the 1960's through the early 2000's, the Site owner requested that Redwood perform a cursory soil sampling of surficial soils to verify the soil quality with respect to metals. Redwood collected four (4) soil samples approximately equal distance from each other (refer to Figure 1 attached). Lead was identified above RI DEM Method 1 Residential Direct Exposure Criteria of 150 milligrams per kilograms (mg/kg) in two locations. Soil sample SS2 and SS3 were identified with concentrations of 424 mg/kg and 197 mg/kg, respectively. The two other samples analyzed, SS1 and SS4, had concentrations of 80 mg/kg and 119 mg/kg, respectively. No other RCRA-8 metals were identified with concentrations exceeding regulatory standards applicable to the Site.

With the submittal of the above documents, Grenier Properties, LLC is making formal notification to RI DEM. Redwood proposes to perform additional investigation to determine the vertical and lateral extent of the lead confirmation. As the future use of the Site will be residential condominiums, it is expected that much of the contamination will be removed from the Site and properly disposed at the Rhode Island Resource Recovery Corporation landfill in Johnston.

If you have any questions regarding this submittal, please call me at (401) 270-7000.

Sincerely,

REDWOOD ENVIRONMENTAL GROUP, LLC

Gary S. Kaufman

Gary S. Kaufman
Principal

Appendix C

OFFICE OF WASTE MANAGEMENT – SITE REMEDIATION SECTION HAZARDOUS MATERIAL RELEASE NOTIFICATION FORM

THIS FORM IS NOT TO BE USED TO REPORT AN IMMINENT HAZARD

1. Notifier Information

Name: GARY KAUFMAN, Redwood Environmental Group, LLC
Address: 10 ELMGROVE Ave, Providence, RI 02906
Phone: 401-270-7000
Email: gKaufman@RedwoodEnv.com
Status: X Environmental Professional ___ Owner ___ Operator ___ Secured Creditor ___ Voluntary

If Environmental Professional is selected, please supply the follow information for your client below:

Name: Tim Grenier, Grenier Properties, LLC
Address: 3 Cole Circle, EAST Greenwich, RI 02818
Phone: 401-527-0524
Email: greniergroup@cox.net
Status: X Owner ___ Operator ___ Secured Creditor ___ Voluntary

2. Property Information Residential Property
Name of Site: 33 Exchange St, EAST Greenwich, RI 02818
Site Address:
Plat/Lot Numbers: Plat 85/1, LOT 382
Approximate Acreage of Property: 0.287
Latitude/Longitude: 41° 39' 41" N 71° 26' 52" W
Site Land Usage Type: X Residential ___ Industrial/Commercial
Location of Release: middle of Site, See Attached Sampling Plan.
(Attach site sketch as necessary)

3. Release Information

Date of Discovery: 6/14/2019
Source: LAB Analysis
Release Media: SOIL
Hazardous Materials and Concentrations: Lead 197 mg/Kg & 424 mg/Kg
(Attach certificates of analysis as necessary)
Extent of Contamination: 12-18" deep.
Approximate acreage of Contaminated Area: UNK

4. Resource Information

Site Land Usage:	__ Industrial/Commercial	X Residential
Adjacent Land Usage:	__ Industrial/Commercial	X Residential
Site Groundwater Class:	__ GA/GAA	X GB
Adjacent Groundwater Class: (if different than site groundwater classification within 500 feet)	__ GA/GAA	X GB

Nearest Surface Water or Wetland: Greenwich Cove

__ Less Than 500 Feet X Greater Than 500 Feet

Potential for adverse impact __ Yes (No)

5. Potentially Responsible Parties

Name: Grenier Properties, LLC
Address: 3 Cole Circle, East Greenwich, RI 02818

Status: X Owner __ Operator __ Other:

Name: _____
Address:

Status: __ Owner __ Operator __ Other:

6. Measures Taken or Proposed to be Taken in Response to Release

1. Determine Extent of contamination
2. Remove impacted Soil.

Check all that apply: __Site Investigation __Short-Term/Emergency __EXPRESS __ Dig & Haul

7. Other Significant Remarks about Release (Will a background determination be made?)

Suspected to be release from storing & repairing vehicles in area.

Signature: Gary Kaufman Date 7/15/19

Title: Principal, Redwood Environmental Group, LLC

REDWOOD
ENVIRONMENTAL GROUP, LLC

June 16, 2019 Project 201942

Tim Grenier
Grenier Group
3 Cole Circle
East Greenwich, RI 02818

Re: Letter Report
Soil Sampling Results-RCRA 8 Metals
Residential Property
32 & 33 Exchange Street
East Greenwich, RI 02818

Dear Mr. Grenier:

Redwood Environmental Group, LLC (Redwood) has completed limited soil sampling at the address above (the Site) as requested by Grenier Group. Redwood arbitrarily selected 4 points across the Site and using a shovel, dug down approximately 12 to 18 inches into the soil. Soils were then collected from the sidewalls of the hole and placed in laboratory glassware. The soils were delivered to a Rhode Island Certified laboratory for RCRA-8 Metal analysis by U.S. EPA Method 6010. An orange flag was placed in each sample location. Figure 1 provides an approximate location of the sample points.

RCRA-8 metals include Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium and Silver. Table 1 attached shows the results as compared to the Rhode Island Department of Environment Management (RI DEM) Residential Direct Exposure Criteria (RDEC) applicable to the Site. Only lead was identified above the RDEC of 150 milligrams per kilograms (mg/kg). Soil samples 201942-SS2-060419 and 201942-SS3-060419 were identified with lead at concentrations of 424 mg/kg and 197 mg/kg, respectively. All other metals listed above were either identified with low level concentrations or concentrations below the laboratory reporting limits for that metal.

If you have any questions regarding this report, please call me at (401) 270-7000. Thank you for the opportunity to provide environmental assessment services.

Sincerely,

REDWOOD ENVIRONMENTAL GROUP, LLC

Gary S. Kaufman

Gary S. Kaufman
Principal/Senior Project Manager

Attachments
Figure 1
Table 1

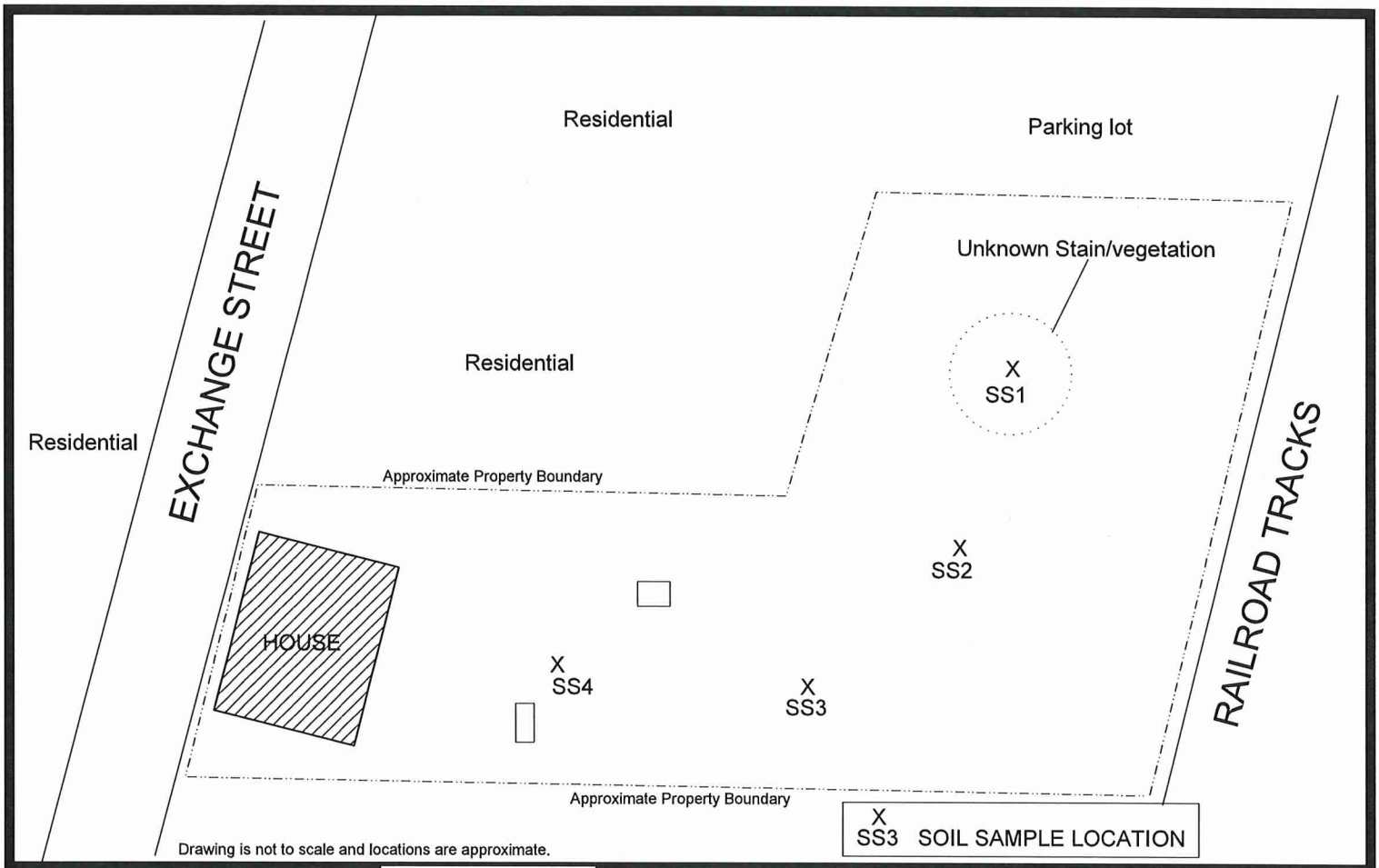

FIGURE 1

SAMPLING PLAN

REDWOOD ENVIRONMENTAL GROUP, LLC

SOIL SAMPLING
RESIDENTIAL PROPERTY
32&33 EXCHANGE STREET
EAST GREENWICH, RHODE iSLAND

NORTH

PROJECT NO. 201942

TABLE 1-METALS

Laboratory Sample Designation		RES DEC	19F0164-01		19F0164-02		19F0164-03		19F0164-04	
Sample Designation			201942-SS1-060419		201942-SS2-060419		201942-SS3-060419		201942-SS4-060419	
Sample Date			06/04/2019		06/04/2019		06/04/2019		06/04/2019	
Total Metals										
Arsenic	mg/kg	7	2.46	U	2.89	-	2.50	-	2.35	-
Barium	mg/kg	5500	38.9	-	74.8	-	61.8	-	35.5	-
Cadmium	mg/kg	39	1.31	-	1.99	-	1.27	-	0.85	-
Chromium	mg/kg	1400	7.99	-	12.3	-	8.42	-	8.29	-
Lead	mg/kg	**150**	80.0	-	**424**	-	**197**	-	119	-
Mercury	mg/kg	23	0.064	-	0.102	-	0.071	-	0.068	-
Selenium	mg/kg	390	4.93	U	3.93	U	4.36	U	4.55	U
Silver	mg/kg	200	0.49	U	0.39	U	0.44	U	0.46	U

Qualifier	Description
U	Undetected
Bold	Constituent identified above RI DEM Residential Direct Exposure Criteria

CERTIFICATE OF ANALYSIS

Gary Kaufman
Redwood Environmental Group
10 Elmgrove Avenue
Providence, RI 02906

RE: Exchange Street (201942)
ESS Laboratory Work Order Number: 19F0164

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

REVIEWED
By ESS Laboratory at 7:03 pm, Jun 14, 2019

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

The test results present in this report are in compliance with TNI and relative state standards, and/or client Quality Assurance Project Plans (QAPP). The laboratory has reviewed the following: Sample Preservations, Hold Times, Initial Calibrations, Continuing Calibrations, Method Blanks, Blank Spikes, Blank Spike Duplicates, Duplicates, Matrix Spikes, Matrix Spike Duplicates, Surrogates and Internal Standards. Any results which were found to be outside of the recommended ranges stated in our SOPs will be noted in the Project Narrative.

CERTIFICATE OF ANALYSIS

Client Name: Redwood Environmental Group
Client Project ID: Exchange Street

ESS Laboratory Work Order: 19F0164

SAMPLE RECEIPT

The following samples were received on June 06, 2019 for the analyses specified on the enclosed Chain of Custody Record.

Lab Number	Sample Name	Matrix	Analysis
19F0164-01	201942-SS1-060419	Soil	6010C, 7471B
19F0164-02	201942-SS2-060419	Soil	6010C, 7471B
19F0164-03	201942-SS3-060419	Soil	6010C, 7471B
19F0164-04	201942-SS4-060419	Soil	6010C, 7471B

CERTIFICATE OF ANALYSIS

Client Name: Redwood Environmental Group
Client Project ID: Exchange Street

ESS Laboratory Work Order: 19F0164

PROJECT NARRATIVE

No unusual observations noted.

End of Project Narrative.

DATA USABILITY LINKS

To ensure you are viewing the most current version of the documents below, please clear your internet cookies for www.ESSLaboratory.com. Consult your IT Support personnel for information on how to clear your internet cookies.

[redacted]

[redacted]

CERTIFICATE OF ANALYSIS

Client Name: Redwood Environmental Group
Client Project ID: Exchange Street

ESS Laboratory Work Order: 19F0164

CURRENT SW-846 METHODOLOGY VERSIONS

Analytical Methods

1010A - Flashpoint
6010C - ICP
6020A - ICP MS
7010 - Graphite Furnace
7196A - Hexavalent Chromium
7470A - Aqueous Mercury
7471B - Solid Mercury
8011 - EDB/DBCP/TCP
8015C - GRO/DRO
8081B - Pesticides
8082A - PCB
8100M - TPH
8151A - Herbicides
8260B - VOA
8270D - SVOA
8270D SIM - SVOA Low Level
9014 - Cyanide
9038 - Sulfate
9040C - Aqueous pH
9045D - Solid pH (Corrosivity)
9050A - Specific Conductance
9056A - Anions (IC)
9060A - TOC
9095B - Paint Filter
MADEP 04-1.1 - EPH
MADEP 18-2.1 - VPH

Prep Methods

3005A - Aqueous ICP Digestion
3020A - Aqueous Graphite Furnace / ICP MS Digestion
3050B - Solid ICP / Graphite Furnace / ICP MS Digestion
3060A - Solid Hexavalent Chromium Digestion
3510C - Separatory Funnel Extraction
3520C - Liquid / Liquid Extraction
3540C - Manual Soxhlet Extraction
3541 - Automated Soxhlet Extraction
3546 - Microwave Extraction
3580A - Waste Dilution
5030B - Aqueous Purge and Trap
5030C - Aqueous Purge and Trap
5035A - Solid Purge and Trap

SW846 Reactivity Methods 7.3.3.2 (Reactive Cyanide) and 7.3.4.1 (Reactive Sulfide) have been withdrawn by EPA. These methods are reported per client request and are not NELAP accredited.

CERTIFICATE OF ANALYSIS

Client Name: Redwood Environmental Group
Client Project ID: Exchange Street
Client Sample ID: 201942-SS1-060419
Date Sampled: 06/04/19 14:30
Percent Solids: 94

ESS Laboratory Work Order: 19F0164
ESS Laboratory Sample ID: 19F0164-01
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.46)		6010C		1	KJK	06/12/19 17:42	2.16	100	CF90741
Barium	**38.9** (2.46)		6010C		1	KJK	06/12/19 17:42	2.16	100	CF90741
Cadmium	**1.31** (0.49)		6010C		1	KJK	06/12/19 17:42	2.16	100	CF90741
Chromium	**7.99** (0.99)		6010C		1	KJK	06/12/19 17:42	2.16	100	CF90741
Lead	**80.0** (4.93)		6010C		1	KJK	06/12/19 17:42	2.16	100	CF90741
Mercury	**0.064** (0.026)		7471B		1	MKS	06/11/19 9:39	0.8	40	CF90742
Selenium	ND (4.93)		6010C		1	KJK	06/12/19 17:42	2.16	100	CF90741
Silver	ND (0.49)		6010C		1	KJK	06/12/19 17:42	2.16	100	CF90741

CERTIFICATE OF ANALYSIS

Client Name: Redwood Environmental Group
Client Project ID: Exchange Street
Client Sample ID: 201942-SS2-060419
Date Sampled: 06/04/19 14:45
Percent Solids: 94

ESS Laboratory Work Order: 19F0164
ESS Laboratory Sample ID: 19F0164-02
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**2.89** (1.97)		6010C		1	KJK	06/12/19 18:14	2.71	100	CF90741
Barium	**74.8** (1.97)		6010C		1	KJK	06/12/19 18:14	2.71	100	CF90741
Cadmium	**1.99** (0.39)		6010C		1	KJK	06/12/19 18:14	2.71	100	CF90741
Chromium	**12.3** (0.79)		6010C		1	KJK	06/12/19 18:14	2.71	100	CF90741
Lead	**424** (3.93)		6010C		1	KJK	06/12/19 18:14	2.71	100	CF90741
Mercury	**0.102** (0.029)		7471B		1	MKS	06/11/19 9:53	0.72	40	CF90742
Selenium	ND (3.93)		6010C		1	KJK	06/12/19 18:14	2.71	100	CF90741
Silver	ND (0.39)		6010C		1	KJK	06/12/19 18:14	2.71	100	CF90741

CERTIFICATE OF ANALYSIS

Client Name: Redwood Environmental Group
Client Project ID: Exchange Street
Client Sample ID: 201942-SS3-060419
Date Sampled: 06/04/19 15:00
Percent Solids: 94

ESS Laboratory Work Order: 19F0164
ESS Laboratory Sample ID: 19F0164-03
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**2.50** (2.18)		6010C		1	KJK	06/12/19 18:33	2.43	100	CF90741
Barium	**61.8** (2.18)		6010C		1	KJK	06/12/19 18:33	2.43	100	CF90741
Cadmium	**1.27** (0.44)		6010C		1	KJK	06/12/19 18:33	2.43	100	CF90741
Chromium	**8.42** (0.87)		6010C		1	KJK	06/12/19 18:33	2.43	100	CF90741
Lead	**197** (4.36)		6010C		1	KJK	06/12/19 18:33	2.43	100	CF90741
Mercury	**0.071** (0.031)		7471B		1	MKS	06/11/19 10:03	0.67	40	CF90742
Selenium	ND (4.36)		6010C		1	KJK	06/12/19 18:33	2.43	100	CF90741
Silver	ND (0.44)		6010C		1	KJK	06/12/19 18:33	2.43	100	CF90741

CERTIFICATE OF ANALYSIS

Client Name: Redwood Environmental Group
Client Project ID: Exchange Street
Client Sample ID: 201942-SS4-060419
Date Sampled: 06/04/19 15:15
Percent Solids: 94

ESS Laboratory Work Order: 19F0164
ESS Laboratory Sample ID: 19F0164-04
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**2.35** (2.28)		6010C		1	KJK	06/12/19 18:37	2.33	100	CF90741
Barium	**35.5** (2.28)		6010C		1	KJK	06/12/19 18:37	2.33	100	CF90741
Cadmium	**0.85** (0.46)		6010C		1	KJK	06/12/19 18:37	2.33	100	CF90741
Chromium	**8.29** (0.91)		6010C		1	KJK	06/12/19 18:37	2.33	100	CF90741
Lead	**119** (4.55)		6010C		1	KJK	06/12/19 18:37	2.33	100	CF90741
Mercury	**0.068** (0.025)		7471B		1	MKS	06/11/19 10:05	0.83	40	CF90742
Selenium	ND (4.55)		6010C		1	KJK	06/12/19 18:37	2.33	100	CF90741
Silver	ND (0.46)		6010C		1	KJK	06/12/19 18:37	2.33	100	CF90741

CERTIFICATE OF ANALYSIS

Client Name: Redwood Environmental Group
Client Project ID: Exchange Street

ESS Laboratory Work Order: 19F0164

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Total Metals										
Batch CF90741 - 3050B										
Blank										
Arsenic	ND	2.50	mg/kg wet							
Barium	ND	2.50	mg/kg wet							
Cadmium	ND	0.50	mg/kg wet							
Chromium	ND	1.00	mg/kg wet							
Lead	ND	5.00	mg/kg wet							
Selenium	ND	5.00	mg/kg wet							
Silver	ND	0.50	mg/kg wet							
LCS										
Arsenic	132	9.26	mg/kg wet	128.0		104	80-120			
Barium	509	9.26	mg/kg wet	536.0		95	80-120			
Cadmium	89.2	1.85	mg/kg wet	99.00		90	80-120			
Chromium	116	3.70	mg/kg wet	116.0		100	80-120			
Lead	273	18.5	mg/kg wet	277.0		99	80-120			
Selenium	237	18.5	mg/kg wet	242.0		98	80-120			
Silver	61.8	1.85	mg/kg wet	64.30		96	80-120			
LCS Dup										
Arsenic	138	9.80	mg/kg wet	128.0		108	80-120	4	20	
Barium	556	9.80	mg/kg wet	536.0		104	80-120	9	20	
Cadmium	92.2	1.96	mg/kg wet	99.00		93	80-120	3	20	
Chromium	115	3.92	mg/kg wet	116.0		99	80-120	0.4	20	
Lead	279	19.6	mg/kg wet	277.0		101	80-120	2	20	
Selenium	244	19.6	mg/kg wet	242.0		101	80-120	3	20	
Silver	61.5	1.96	mg/kg wet	64.30		96	80-120	0.5	20	
Reference										
Barium	509	8.77	mg/kg wet	500.0		102	70-130			
Cadmium	516	1.75	mg/kg wet	500.0		103	70-130			
Chromium	541	3.51	mg/kg wet	500.0		108	70-130			
Lead	540	17.5	mg/kg wet	500.0		108	70-130			
Silver	140	1.75	mg/kg wet	500.0		28	70-130			
Batch CF90742 - 7471B										
Blank										
Mercury	ND	0.033	mg/kg wet							
LCS										
Mercury	12.5	0.868	mg/kg wet	16.80		75	51-105			
LCS Dup										
Mercury	11.0	0.900	mg/kg wet	16.80		66	51-105	13	20	
Reference										
Mercury	0.981	0.168	mg/kg wet	1000		0.1	0-200			

CERTIFICATE OF ANALYSIS

Client Name: Redwood Environmental Group
Client Project ID: Exchange Street

ESS Laboratory Work Order: 19F0164

Notes and Definitions

U	Analyte included in the analysis, but not detected
D	Diluted.
ND	Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
DL	Detection Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.
NR	No Recovery
[CALC]	Calculated Analyte
SUB	Subcontracted analysis; see attached report
RL	Reporting Limit
EDL	Estimated Detection Limit
MF	Membrane Filtration
MPN	Most Probably Number
TNTC	Too numerous to Count
CFU	Colony Forming Units

CERTIFICATE OF ANALYSIS

Client Name: Redwood Environmental Group
Client Project ID: Exchange Street

ESS Laboratory Work Order: 19F0164

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Rhode Island Potable and Non Potable Water: LAI00179
http://www.health.ri.gov/find/labs/analytical/ESS.pdf

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750
http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/OutofStateCommercialLaboratories.pdf

Maine Potable and Non Potable Water, and Solid and Hazardous Waste: RI00002
http://www.maine.gov/dhhs/mecdc/environmental-health/dwp/partners/labCert.shtml

Massachusetts Potable and Non Potable Water: M-RI002
http://public.dep.state.ma.us/Labcert/Labcert.aspx

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424
http://des.nh.gov/organization/divisions/water/dwgb/nhelap/index.htm

New York (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: 11313
http://www.wadsworth.org/labcert/elap/comm.html

New Jersey (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: RI006
http://datamine2.state.nj.us/DEP_OPRA/OpraMain/pi_main?mode=pi_by_site&sort_order=PI_NAMEA&Select+a+Site:=58715

United States Department of Agriculture Soil Permit: P330-12-00139

Pennsylvania: 68-01752
http://www.dep.pa.gov/Business/OtherPrograms/Labs/Pages/Laboratory-Accreditation-Program.aspx

ESS Laboratory Sample and Cooler Receipt Checklist

Client: Redwood Environmental Group - KPB/EO

Shipped/Delivered Via: ESS Courier

ESS Project ID: 19F0164
Date Received: 6/6/2019
Project Due Date: 6/13/2019
Days for Project: 5 Day

1. Air bill manifest present? No
   Air No.: NA
2. Were custody seals present? No
3. Is radiation count <100 CPM? Yes
4. Is a Cooler Present? Yes
   Temp: 5.7 Iced with: Ice
5. Was COC signed and dated by client? Yes
6. Does COC match bottles? Yes
7. Is COC complete and correct? Yes
8. Were samples received intact? Yes
9. **Were labs informed about short holds & rushes?** Yes / No / (NA)
10. Were any analyses received outside of hold time? Yes / (No)

11. Any Subcontracting needed? Yes / (No)
    ESS Sample IDs:
    Analysis:
    TAT:
12. Were VOAs received? Yes / (No)
    a. Air bubbles in aqueous VOAs? Yes / No
    b. Does methanol cover soil completely? Yes / No / NA

13. Are the samples properly preserved? (Yes) / No
    a. If metals preserved upon receipt: Date: Time: By:
    b. Low Level VOA vials frozen: Date: Time: By:

Sample Receiving Notes:

14. Was there a need to contact Project Manager? Yes / (No)
    a. Was there a need to contact the client? Yes / (No)
    Who was contacted? Date: Time: By:

Sample Number	Container ID	Proper Container	Air Bubbles Present	Sufficient Volume	Container Type	Preservative	Record pH (Cyanide and 608 Pesticides)
01	353158	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
02	353157	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
03	353156	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
04	353155	Yes	NA	Yes	4 oz. Jar - Unpres	NP	

2nd Review

Were all containers scanned into storage/lab? Initials: [signature]
Are barcode labels on correct containers? (Yes) / No
Are all Flashpoint stickers attached/container ID # circled? Yes / No / (NA)
Are all Hex Chrome stickers attached? Yes / No / (NA)
Are all QC stickers attached? Yes / No / (NA)
Are VOA stickers attached if bubbles noted? Yes / No / (NA)

Completed By: [signature] Date & Time: 6/6/19 11:09
Reviewed By: [signature] Date & Time: 6/6/19 1328
Delivered By: [signature] 6/6/19 1328

ESS Laboratory

Division of Thielsch Engineering, Inc.
185 Frances Avenue, Cranston, RI 02910-2211
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

Page 1 of 1

Turn Time: ✓ Standard Other ____
If faster than 5 days, prior approval by laboratory is required # ____
State where samples were collected from: MA (RI) CT NH NJ NY ME Other ____
Is this project for any of the following: MA-MCP Navy USACE Other ____

Reporting Limits: Res.
ESS LAB PROJECT ID: 19F0164
Electronic Deliverable: Yes ____ No ____
Format: Excel __ Access __ PDF __ Other ____

Co. Name	Project #	Project Name (20 Char. or less)
Redwood Env Grp	201942	Exchange ST

Contact Person	Address
G Kaufman	

City	State	Zip	PO#

Telephone #	Fax #	Email Address

ESS LAB Sample #	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	Number of Containers	Type of Containers	RCRA8 6010	Write Required Analysis
1	6/4/19	2:30		X	S	201942-SS1-060419	1	1	G	X	
2		2:45				201942-SS2-060419	1	1	G	X	
3		3:00				201942-SS3-060419	1	1	G	X	
4		3:15				201942-SS4-060419	1	1	G	X	

Container Type: P-Poly G-Glass S-Sterile V-VOA
Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters

Cooler Present: ✓ Yes ___ No
Seals Intact: ___ Yes ___ No NA: ✓
Cooler Temp: 5.7 Hue Scu

Internal Use Only
[ ] Pickup
[ ] Technicians ____

Preservation Code 1- NP, 2- HCl, 3- H_2SO_4, 4- HNO_3, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9- ____

Sampled by: GSK

Comments: on ice Prior to Lab delivery

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
G Kaufman	6/6/19 9:14	KoRL	6/6/19 9:14				
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

*By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VII A

Please fax all changes to Chain of Custody in writing.

1 (White) Lab Copy 2 (Yellow) Client Receipt

10/28/04 A