Berninger Environmental
groundwater consultants, geologists & scientists
17 Old Dock Road
Yaphank • New York • 11980 **Phone: 631 • 589 • 6521**
A Division of WRS Environmental Services **Fax: 631 • 924 • 8105**

April 2, 2018

Paul Marazzo
G E & P Recycling
36-08 Review Avenue
Long Island City, New York

Re: G E & P Recycling **Soil Boring and Testing Results**
36-08 Review Avenue
Long Island City, New York

Mr. Marazzo,

The following document is a Summary of Findings (SOF) for the subject site and includes: a brief description of the work scope, boring lithology and tabulated lab results compared to the New York State Part-375 soil clean-up objectives (SCOs), restricted-Industrial-use. Please see below for a description of the findings.

On March 19, 2018 BEI mobilized to the above mentioned site in order to perform one (1) boring to the groundwater interface for collection of soil to be analyzed by Part-375 (minus pest and herb) parameters. Soil at the B-1 location (please see Figure-1 for boring location) was collected utilizing a track mounted Geoprobe 6610 with discrete soil samples obtained in five (5') foot intervals. Soil was screened from a depth of 7.5' below grade surface (bgs) (concrete floor inside) to a depth of 20' bgs. Samples were broken down into 2.5' intervals and screened with a PID meter for the presence of contamination. The interval with the highest PID reading documented was submitted to a New York State ELAP certified lab for NYS Part-375 parameters. Please see Figure-2 soil lithology log with PID readings.

Lab results indicated detections of multiple VOCs, SVOCs and metals from a depth of 12.5-15'. No PCBs were detected. All soil results were compared to the Part-375 restricted-Industrial SCOs and nothing was detected above any of the Industrial use SCOs at the B-1 @ 12.5-15' location. Please refer to Tables-1-4 for tabulated results of all constituents analyzed. Lab data is attached as Attachment-A.

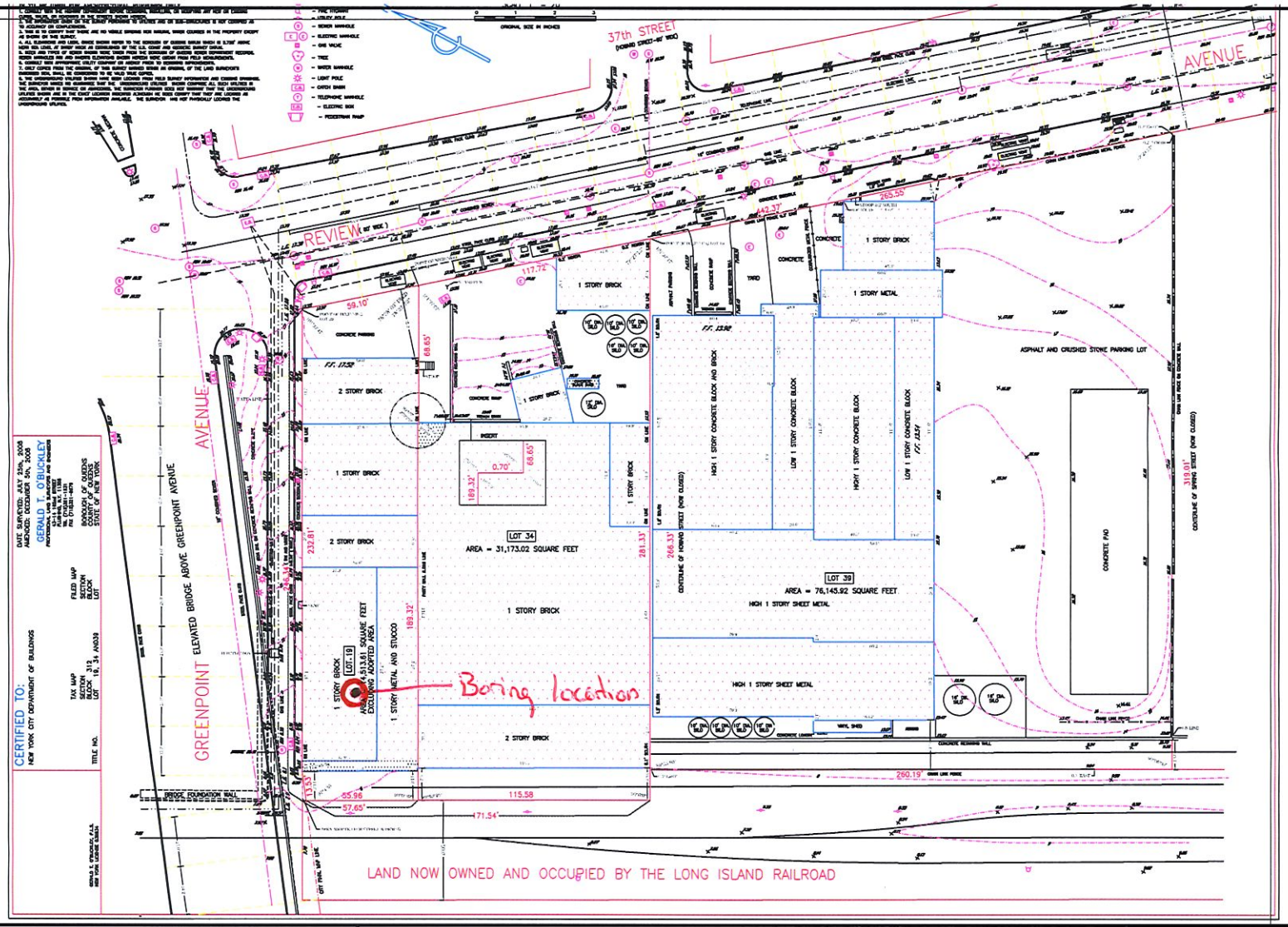
Sincerely,
Berninger Environmental

Walter Berninger
Environmental Consultant/Vice President

Justin Halpin
Project Scientist

Justin Halpin

FIGURES



SURVEY
SCALE: 1" = 50' +/-

KOSURI ENGINEERING & CONSULTING, P.C.
31 KNOLLS DRIVE •NEW HYDE PARK •NEW YORK 11040
PHONE: (516) 365-7400 •FAX: (516) 365-2029 •WWW.KEC-PC.COM

Project Name & Address : 36-04,36-08 &37-10 Review Ave Long Island City , Queens, NY		Designed by: EK	Figure 5
Sheet Title: Survey	Drawn by: EK	Checked by: EK	April 5, 2012

FIGURE-1
Boring Location

Berninger Environmental
groundwater consultants, geologists and scientists
A WRS Environmental Services Company
Phone: 631 589 6521
17 Old Dock Road Yaphank, NY 11980

LOG OF BORING: B-1

PROJECT: GE&P Recycling
CLIENT: Paul Marasso
LOCATION: 3608 Review Avenue LIC, NY

DEPTH	GRAPHIC	BORING LOCATION:	PID (ppm)	Recov.%	AGI Sym		WELL DETAILS
FT 0		GROUND SURFACE					
2.5		Pre Clearing Encountered multilpe foundations and voids between foundations					
5							
7.5		brown, medium sand, concrete and brick loose, dry no odor, poor recov	0.0	5	SP		
10		brown fine sand, medium sand mix loose, slight fuel oil odor, poor recov	200	5	SP		
12.5		brown fine sand, medium sand mix loose, slight fuel oil odor, wet @ 14'	250	85	SM		
15.0		grey, tight, clay, organic peat, bog layer slight fuel oil odor, wet @ 14'	50	85	OH		
17.5		grey, tight, clay, organic peat, bog layer strong bog odor, wet to slightly moist	0.0	95	OH		
20							

NOTES: B-1 @ 12.5-15' for Part-375 minus herb and pest
Groundwater depth @ 14' perched

FIGURE: 2

METHOD: Direct Push

HOLE DIAMETER: 2.25"

BORING COMPANY: BEI

LOGGED BY: Halpin and Lotito

TABLES

American Analytical Laboratories, LLC.		TABLE-1				
WorkOrder: 1803098						
Client: WRS d.b.a Berninger Environmental						
Project: GE&P Recycling, 3608 Review Ave, Long Island City, NY		Client Sample ID:		B-1@12.5-15'		*Part -375*
		Laboratory ID:		1803098-001		*Res-Ind*
		Sampling Date:		03/19/2018		
Cas #:	**Procedure:**	**Analyte:**	**Units:**		**Q**	
71-55-6	VOLATILE SW-846 METHOD 8260	1,1,1-Trichloroethane	PPB	410	DJ	*1,000,000*
75-34-3	VOLATILE SW-846 METHOD 8260	1,1-Dichloroethane	PPB	240	DJ	*480,000*
75-35-4	VOLATILE SW-846 METHOD 8260	1,1-Dichloroethene	PPB	6.2	J	*1,000,000*
95-63-6	VOLATILE SW-846 METHOD 8260	1,2,4-Trimethylbenzene	PPB	12		*380,000*
95-50-1	VOLATILE SW-846 METHOD 8260	1,2-Dichlorobenzene	PPB	1.7	U	*1,000,000*
107-06-2	VOLATILE SW-846 METHOD 8260	1,2-Dichloroethane	PPB	1.7	U	*60,000*
108-67-8	VOLATILE SW-846 METHOD 8260	1,3,5-Trimethylbenzene	PPB	5.8	J	*380,000*
541-73-1	VOLATILE SW-846 METHOD 8260	1,3-Dichlorobenzene	PPB	1.7	U	*560,000*
106-46-7	VOLATILE SW-846 METHOD 8260	1,4-Dichlorobenzene	PPB	1.7	U	*250,000*
123-91-1	VOLATILE SW-846 METHOD 8260	1,4-Dioxane	PPB	1.7	U	*250,000*
78-93-3	VOLATILE SW-846 METHOD 8260	2-Butanone	PPB	93		*1,000,000*
67-64-1	VOLATILE SW-846 METHOD 8260	Acetone	PPB	89	B	*1,000,000*
71-43-2	VOLATILE SW-846 METHOD 8260	Benzene	PPB	23		*89,000*
56-23-5	VOLATILE SW-846 METHOD 8260	Carbon tetrachloride	PPB	3100	D	*44,000*
108-90-7	VOLATILE SW-846 METHOD 8260	Chlorobenzene	PPB	1.7	U	*1,000,000*
67-66-3	VOLATILE SW-846 METHOD 8260	Chloroform	PPB	4900	D	*700,000*
156-59-2	VOLATILE SW-846 METHOD 8260	cis-1,2-Dichloroethene	PPB	6.3	J	*1,000,000*
100-41-4	VOLATILE SW-846 METHOD 8260	Ethylbenzene	PPB	49		*780,000*
179601-23-1	VOLATILE SW-846 METHOD 8260	m,p-Xylene	PPB	310		*1,000,000*
1634-04-4	VOLATILE SW-846 METHOD 8260	Methyl tert-butyl ether	PPB	1.7	U	*1,000,000*
75-09-2	VOLATILE SW-846 METHOD 8260	Methylene chloride	PPB	690	BD	*1,000,000*
104-51-8	VOLATILE SW-846 METHOD 8260	n-Butylbenzene	PPB	1.7	U	*1,000,000*
103-65-1	VOLATILE SW-846 METHOD 8260	n-Propylbenzene	PPB	4.5	J	*1,000,000*
95-47-6	VOLATILE SW-846 METHOD 8260	o-Xylene	PPB	99		*1,000,000*
135-98-8	VOLATILE SW-846 METHOD 8260	sec-Butylbenzene	PPB	1.7	U	*1,000,000*
98-06-6	VOLATILE SW-846 METHOD 8260	tert-Butylbenzene	PPB	1.7	U	*1,000,000*
127-18-4	VOLATILE SW-846 METHOD 8260	Tetrachloroethene	PPB	28		*300,000*
108-88-3	VOLATILE SW-846 METHOD 8260	Toluene	PPB	3000	D	*1,000,000*
156-60-5	VOLATILE SW-846 METHOD 8260	trans-1,2-Dichloroethene	PPB	1.7	U	*1,000,000*
79-01-6	VOLATILE SW-846 METHOD 8260	Trichloroethene	PPB	420	D	*400,000*
75-01-4	VOLATILE SW-846 METHOD 8260	Vinyl chloride	PPB	1.7	U	*27,000*
1330-20-7	VOLATILE SW-846 METHOD 8260	Xylenes, Total	PPB	410		*1,000,000*

American Analytical Laboratories, LLC.		**TABLE-2**				
WorkOrder: 1803098						
Client: WRS d.b.a Berninger Environmental						
Project: GE&P Recycling, 3608 Review Ave, Long Isla		**Client Sample ID:**		**B-1@12.5-15'**		*Part-375*
		Laboratory ID:		**1803098-001**		*Restricted*
		Sampling Date:		**03/19/2018**		*Industrial*
Cas #:	**Procedure:**	**Analyte:**	**Units:**		**Q**	
E-11870	PERCENT MOISTURE	Percent Moisture	wt%	40.9		
95-48-7	SEMIVOLATILE SW-846 METHOD 8270	2-Methylphenol	PPB	41	U	*1,000,000*
108-39-4/1	SEMIVOLATILE SW-846 METHOD 8270	3+4-Methylphenol	PPB	4,600		*1,000,000*
83-32-9	SEMIVOLATILE SW-846 METHOD 8270	Acenaphthene	PPB	41	U	*1,000,000*
208-96-8	SEMIVOLATILE SW-846 METHOD 8270	Acenaphthylene	PPB	41	U	*1,000,000*
120-12-7	SEMIVOLATILE SW-846 METHOD 8270	Anthracene	PPB	41	U	*1,000,000*
56-55-3	SEMIVOLATILE SW-846 METHOD 8270	Benzo(a)anthracene	PPB	41	U	*11,000*
50-32-8	SEMIVOLATILE SW-846 METHOD 8270	Benzo(a)pyrene	PPB	41	U	*1,100*
205-99-2	SEMIVOLATILE SW-846 METHOD 8270	Benzo(b)fluoranthene	PPB	41	U	*11,000*
191-24-2	SEMIVOLATILE SW-846 METHOD 8270	Benzo(g,h,i)perylene	PPB	41	U	*1,000,000*
207-08-9	SEMIVOLATILE SW-846 METHOD 8270	Benzo(k)fluoranthene	PPB	41	U	*110,000*
218-01-9	SEMIVOLATILE SW-846 METHOD 8270	Chrysene	PPB	41	U	*110,000*
53-70-3	SEMIVOLATILE SW-846 METHOD 8270	Dibenzo(a,h)anthracene	PPB	41	U	*1,100*
132-64-9	SEMIVOLATILE SW-846 METHOD 8270	Dibenzofuran	PPB	41	U	*1,000,000*
206-44-0	SEMIVOLATILE SW-846 METHOD 8270	Fluoranthene	PPB	41	U	*1,000,000*
86-73-7	SEMIVOLATILE SW-846 METHOD 8270	Fluorene	PPB	41	U	*1,000,000*
118-74-1	SEMIVOLATILE SW-846 METHOD 8270	Hexachlorobenzene	PPB	41	U	*12,000*
193-39-5	SEMIVOLATILE SW-846 METHOD 8270	Indeno(1,2,3-c,d)pyrene	PPB	41	U	*11,000*
91-20-3	SEMIVOLATILE SW-846 METHOD 8270	Naphthalene	PPB	41	U	*1,000,000*
87-86-5	SEMIVOLATILE SW-846 METHOD 8270	Pentachlorophenol	PPB	83	U	*55,000*
85-01-8	SEMIVOLATILE SW-846 METHOD 8270	Phenanthrene	PPB	41	U	*1,000,000*
108-95-2	SEMIVOLATILE SW-846 METHOD 8270	Phenol	PPB	9,800	D	*1,000,000*
129-00-0	SEMIVOLATILE SW-846 METHOD 8270	Pyrene	PPB	41	U	*1,000,000*

American Analytical Laboratories, LLC.		TABLE-3				
WorkOrder: 1803098						
Client: WRS d.b.a Berninger Environmental						
Project: GE&P Recycling, 3608 Review Ave, I		**Client Sample ID:**		**B-1@12.5-15'**		***Part-375***
		Laboratory ID:		**1803098-001**		***Res-Ind***
		Sampling Date:		**03/19/2018**		ppm
Cas #:	**Procedure:**	**Analyte:**	**Units:**		**Q**	
7440-38-2	TOTAL METALS	Arsenic	PPM	5.28		*16*
7440-39-3	TOTAL METALS	Barium	PPM	30.4		*10,000*
7440-41-7	TOTAL METALS	Beryllium	PPM	0.165	U	*2,700*
7440-43-9	TOTAL METALS	Cadmium	PPM	0.165	U	*60*
7440-47-3	TOTAL METALS	Chromium	PPM	23.7		*NA*
7440-50-8	TOTAL METALS	Copper	PPM	11.1		*10,000*
7439-92-1	TOTAL METALS	Lead	PPM	11.1		*3,900*
7439-96-5	TOTAL METALS	Manganese	PPM	270		*10,000*
7440-02-0	TOTAL METALS	Nickel	PPM	20.1		*10,000*
7782-49-2	TOTAL METALS	Selenium	PPM	0.329	U	*6,800*
7440-22-4	TOTAL METALS	Silver	PPM	0.165	U	*6,800*
7440-66-6	TOTAL METALS	Zinc	PPM	52.7		*10,000*
57-12-5	CYANIDE, TOTAL	Cyanide, Total & Amenable: Auto Colorimetric	PPM	0.148	J	*10,000*
18540-29-9	HEXAVALENT CHROMIUM	Chromium, Hexavalent	PPM	0.408	U	*800*
16065-83-1	TRIVALENT CHROMIUM	Chromium, Trivalent	PPM	23.7		*6,800*
7439-97-6	MERCURY	Mercury	PPM	0.0212	J	*5.7*

American Analytical Laboratories, LLC.		**TABLE-4**				
WorkOrder: 1803098						
Client: WRS d.b.a Berninger Environmental						
Project: GE&P Recycling, 3608 Review Ave, Long Island City, NY		**Client Sample ID:**		**B-1@12.5-15'**		***Part-375***
		Laboratory ID:		**1803098-001**		***Res-Ind***
		Sampling Date:		**03/19/2018**		
Cas #:	**Procedure:**	**Analyte:**	**Units:**		**Q**	
12674-11-2	PCB's as AROCLORS SW-846 METHOD 8082	Aroclor 1016	PPB	17	U	*25,000*
11104-28-2	PCB's as AROCLORS SW-846 METHOD 8082	Aroclor 1221	PPB	17	U	*25,000*
11141-16-5	PCB's as AROCLORS SW-846 METHOD 8082	Aroclor 1232	PPB	17	U	*25,000*
53469-21-9	PCB's as AROCLORS SW-846 METHOD 8082	Aroclor 1242	PPB	17	U	*25,000*
12672-29-6	PCB's as AROCLORS SW-846 METHOD 8082	Aroclor 1248	PPB	17	U	*25,000*
11097-69-1	PCB's as AROCLORS SW-846 METHOD 8082	Aroclor 1254	PPB	17	U	*25,000*
11096-82-5	PCB's as AROCLORS SW-846 METHOD 8082	Aroclor 1260	PPB	17	U	*25,000*
37324-23-5	PCB's as AROCLORS SW-846 METHOD 8082	Aroclor 1262	PPB	17	U	*25,000*
11100-14-4	PCB's as AROCLORS SW-846 METHOD 8082	Aroclor 1268	PPB	17	U	*25,000*

Attachment-A
lab data

American Analytical Laboratories, LLC.
56 Toledo Street
Farmingdale, New York 11735
TEL: (631) 454-6100 FAX: (631) 454-8027
Website: www.American-Analytical.com

March 26, 2018

Justin Halpin
WRS d.b.a Berninger Environmental
17 Old Dock Road
Yaphank, NY 11980
TEL: (631) 589-6521
FAX (631) 589-6528

RE: GE&P Recycling, 3608 Review Ave, Long I Order No.: 1803098

Dear Justin Halpin:

American Analytical Laboratories, LLC. received 1 sample(s) on 3/19/2018 for the analyses presented in the following report.

Samples were analyzed in accordance with the test procedures documented on the chain of custody and detailed throughout the text of this report. The results reported herein relate only to the items tested or to the samples as received by the laboratory. This report may not be reproduced, except in full, without the approval of American Analytical Laboratories, LLC and is not considered complete without a cover page and chain of custody documentation. The limits (LOQ) provided in the data package are analytical reporting limits and not Federal or Local mandated values to which the sample results should be compared.

There were no problems with the analyses and all data for associated QC met laboratory specifications. If there are any exceptions a Case Narrative is provided in the report or the data is qualified either on the sample results or in the QC section of the report. This package has been reviewed by American Analytical Laboratories' QA Department/Laboratory Director to comply with NELAC standards prior to report submittal.

If you have any questions regarding these tests results, please do not hesitate to call (631) 454-6100 or email me directly at lbeyer@american-analytical.com.

Sincerely,

Lori Beyer

Lori Beyer
Lab Director
American Analytical Laboratories, LLC.

American Analytical Laboratories, LLC.
56 Toledo Street
Farmingdale, New York 11735
TEL: (631) 454-6100 FAX: (631) 454-8027
Website: www.American-Analytical.com

Workorder Sample Summary

WO#: **1803098**

26-Mar-18

CLIENT: WRS d.b.a Berninger Environmental

Project: GE&P Recycling, 3608 Review Ave, Long Islan

Lab SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
1803098-001A	B-1@12.5-15'		3/19/2018 11:00:00 AM	3/19/2018 5:03:00 PM	Soil
1803098-001B	B-1@12.5-15'		3/19/2018 11:00:00 AM	3/19/2018 5:03:00 PM	Soil

CHAIN OF CUSTODY

AMERICAN ANALYTICAL LABORATORIES

56 Toledo Street, Farmingdale NY 11735
(T) 631-454-6100 (F) 631-454-8027
www.american-analytical.com

CERTIFICATIONS
NY ELAP - 11418 PA DEP - 68-00573
NJ DEP - NY050 CT DOH - PH-0205

Client Information

Company Name: BEI
Address: 17 Old Dock Rd.
City: Yaphank State: NY Zip: 11980
Project Contact: JH
Phone #: 589 6527
E-mail:

Project Information

Project Name: GEOP Recycling
Street: 3608 Review Ave.
City: Long Island City State: NY Zip:
Project # / Purchase Order #: 11678
Sampler's Name / Company: Justin Hakim BEI
Sampler's Signature:

Analytical Test / Information

Part 375 (except Herb & Pest)

LAB SAMPLE # (LAB USE ONLY)	Client Sample ID	Sample Type	Matrix Code	Date	Time	Glass / Plastic	Total # of bottles	NONE	HCl	NaOH	HNO_3	H_2SO_4	DI Water (5035A)	MeOH	OTHER	Analytical Test / Information
1883098-001	B-1 @ 12'-15'	G	S	3/19/18	11:20	G	3	X								1-20z 2-80z

Turnaround Time (Business Days)

- [ ] Standard 7-10 Business Days
- [ ] 5 Day *RUSH*
- [ ] 4 Day *RUSH*
- [ ] 3 Day *RUSH*
- [ ] 2 Day *RUSH*
- [ ] 1 Day *RUSH*

Please contact laboratory for rush service availability

SAMPLE TYPE

G = Grab
C = Composite
B = Blank

MATRIX CODE

L = Liquid **PC** = Paint Chip
S = Soil **SL** = Sludge
O = Oil **SD** = Solid
W = Wipe **M** = Misc

ELECTRONIC DELIVERABLES

NYCRR Part 375 - please circle
Unres/ Comm/ Industrial/ Residential/ Res Residential/ PGW
NJ Soil Clean Up Criteria
CP 51 - Gas / Fuel
TOGS
SCDOH Action Levels
TCLP Hazardous Waste
NYSDEC EQUIS

Comments / Remarks

PO# 23028

Cooler Temp: 1.8c

Sample custody must be documented below, each time samples change possession, with a signature, date, and time.

RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME
Kimberly Lotito	3/19/18 5:03 pm	Kimberly Lotito	Karen Kelly	3/19/18 17:03	K Kelly
RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME

American Analytical Laboratories, LLC.
56 Toledo Street
Farmingdale, New York 11735
TEL: (631) 454-6100 FAX: (631) 454-8027
Website: www.American-Analytical.com

Sample Log-In Check List

Client Name: **Berninger** Work Order Number: **1803098** RcptNo: **1**

Logged by:	**Jenny Mullady**	**3/19/2018 5:03:00 PM**	Jennifer Mullady
Completed By:	**Jenny Mullady**	**3/19/2018**	Jennifer Mullady
Reviewed By:	**Lori Beyer**	**3/20/2018 5:21:48 AM**	Lori Beyer

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Client		

Log In

3.	Coolers are present?	Yes ☑	No ☐	NA ☐
4.	Shipping container/cooler in good condition?	Yes ☑	No ☐	
	Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
	No. Seal Date:	Signed By:		
5.	Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
6.	Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
7.	Sample(s) in proper container(s)?	Yes ☑	No ☐	
8.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
9.	Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
10.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
11.	Is the headspace in the VOA vials less than 1/4 inch or 6 mm?	Yes ☐	No ☐	No VOA Vials ☑
12.	Were any sample containers received broken?	Yes ☐	No ☑	
13.	Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
14.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
15.	Is it clear what analyses were requested?	Yes ☑	No ☐	
16.	Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

Special Handling (if applicable)

17.	Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑

Person Notified: Date

By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

18. Additional remarks:

Volatile sample collected in 2 oz jar with zero headspace

Cooler Information

Cooler No	Temp ºC	Condition	Seal Intact	Seal No	Seal Date	Signed By

American Analytical Laboratories, LLC.
56 Toledo Street
Farmingdale, New York 11735
TEL: (631) 454-6100 FAX: (631) 454-8027
Website: www.American-Analytical.com

Case Narrative

WO#: **1803098**
Date: **3/26/2018**

CLIENT: WRS d.b.a Berninger Environmental
Project: GE&P Recycling, 3608 Review Ave, Long Islan

Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846 and additional methods as detailed throughout the text of the report. All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives with exceptions notated in this Narrative discussion of this report.

Soil sample results analyzed for Volatile Organics via preparation method SW846 Method 5035A by the Low Level procedures potentially may be estimated, "J" (biased low) since the samples for this test were not collected according to the 5035A Method. Volatile LCS are analyzed with preservatives - HCL/NaHSO4/Methanol depending on level of analysis (high/low) similar to sample analysis. Outliers can be attributed to the presence of chemical preservatives. 2-Chloroethyl vinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

SVOA analysis of sample B-1 @ 12.5-15' resulted in low surrogate recovery due to sample matrix effects.

PCB analysis are analyzed on two distinct columns. Once a target compound is qualitatively confirmed by detection on both columns and quantitation is determined to be >40% between the two columns, AAL's policy is to report the lower of the values as suggested by SW846 Method 8000C in cases where no interference exists. If in the professional judgment of the laboratory, the higher value must be utilized this is explained in the lab report.

The following parameters (if included in this report) are not offered by NY ELAP: VOA 8260 Soil; 1,2,4,5-Tetramethylbenzene, Chlorodifluoromethane, Diisopropyl ether, Ethanol, Freon-114, p-Diethylbenzene, p-Ethyltoluene, Isopropyl Acetate, n-Amyl Acetate, n-Butyl Acetate, n-Propyl Acetate. VOA 8260 Liquid; 1,2,4,5-Tetramethylbenzene, Chlorodifluoromethane, Freon-114, p-Diethylbenzene, p-Ethyltoluene, Isopropyl Acetate, n-Amyl acetate, n-Butyl Acetate, n-Propyl Acetate. Pesticides 8081 Soil; DBCP. Herbicides 8151 Soil; 3,5-Dichlorobenzoic Acid, 4-Nitrophenol, Acifluorfen, Bentazon, Chloramben, DCPA, Picloram .Lachat 10-107-6-1B Ammonia in Soil, SM 2540G Total Volatile Solids, Soil TKN, Soil Organic Nitrogen, Percent Moisture, pH in non-potable water and temperature at which pH is measured, SM 4500-SO3 B Sulfite in Liquid, Total Sulfur in Soil, Acid Soluble Chloride by ASTMC1152, Water Soluble Chloride by ASTMC1218, Chlorine Demand by SM 2350 B, Total Residual Chlorine in Liquid and Reactivity to Sulfide and Reactivity to Cyanide.

American Analytical Laboratories, LLC.
56 Toledo Street
Farmingdale, New York 11735
TEL: (631) 454-6100 FAX: (631) 454-8027
Website: www.American-Analytical.com

Case Narrative

WO#: **1803098**
Date: **3/26/2018**

CLIENT: WRS d.b.a Berninger Environmental
Project: GE&P Recycling, 3608 Review Ave, Long Islan

The test results meet the requirements of the NYSDOH and NELAC standards, except where noted. The information contained in this analytical report is the sole property of American Analytical Laboratories, LLC. or the client for which this report was issued. The results contained in this report are only representative of the samples received. The sample receipt checklist is included as part of this lab report. Conditions can vary at different times and at different sampling conditions. American Analytical is not responsible for the use or interpretation of the data included herein.

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Definition Only

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Definitions:

Sample Result and QC Summary Qualifiers - Level I and Level II Reports
ND - Not detected at the reporting limit/Limit of Quantitation

B - The analyte was detected in the associated method blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <5x the blank value as artifact.

E - The value is above the quantitation range

D - Analyte concentration was obtained from diluted analysis or from analysis using reduced sample volume.

J - The analyte was detected below the limit of quantitation but greater than the established Limit of Detection (LOD). There is greater uncertainty associated with these results and data should be considered as estimated.

U - The compound was analyzed for but not detected.

H - Holding time for preparation or analysis has been exceeded.

S - Spike recovery is outside accepted recovery limits.

R - RPD is outside accepted recovery range.

P - Secondary column exceeds 40% difference for GC test.

* - Calibration exceeds method requirement. Due to the large number of analytes for organic testing, the method allows 10% of analytes to have %RSD and/or %D to be >20%.
LOD - Limit of Detection; the lowest level the analyte can be determined to be statistically different from a blank.
LOQ - Limit of Quantitation; the lowest amount of analyte in a sample that can be quantitatively determined with suitable precision and accuracy.
PQL - Practical Quantitation Limit; the lowest level that can be reliably achieved within the specific limits of Precision and accuracy. Listed on the QC Summary Forms.
m - Analyte was manually integrated for GC/MS.
+ - Concentration exceeds regulatory level for TCLP

American Analytical Laboratories, LLC.

Date: *26-Mar-18*

ELAP ID : 11418

CLIENT:	WRS d.b.a Berninger Environmental	**Client Sample ID:**	B-1@12.5-15'
Lab Order:	1803098	**Collection Date:**	3/19/2018 11:00:00 AM
Project:	GE&P Recycling, 3608 Review Ave, Long Islan	**Matrix:**	SOIL
Lab ID:	1803098-001A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**		**SW5035A**		Analyst: **LA**
1,1,1-Trichloroethane	410	82	410	DJ	µg/Kg-dry	50	3/22/2018 9:28:00 PM
1,1-Dichloroethane	240	82	410	DJ	µg/Kg-dry	50	3/22/2018 9:28:00 PM
1,1-Dichloroethene	6.2	1.7	8.3	J	µg/Kg-dry	1	3/20/2018 3:32:00 PM
1,2,4-Trimethylbenzene	12	1.7	8.3		µg/Kg-dry	1	3/20/2018 3:32:00 PM
1,2-Dichlorobenzene	ND	1.7	8.3	U	µg/Kg-dry	1	3/20/2018 3:32:00 PM
1,2-Dichloroethane	ND	1.7	8.3	U	µg/Kg-dry	1	3/20/2018 3:32:00 PM
1,3,5-Trimethylbenzene	5.8	1.7	8.3	J	µg/Kg-dry	1	3/20/2018 3:32:00 PM
1,3-Dichlorobenzene	ND	1.7	8.3	U	µg/Kg-dry	1	3/20/2018 3:32:00 PM
1,4-Dichlorobenzene	ND	1.7	8.3	U	µg/Kg-dry	1	3/20/2018 3:32:00 PM
1,4-Dioxane	ND	1.7	8.3	U	µg/Kg-dry	1	3/20/2018 3:32:00 PM
2-Butanone	93	8.3	17		µg/Kg-dry	1	3/20/2018 3:32:00 PM
Acetone	89	8.3	17	B	µg/Kg-dry	1	3/20/2018 3:32:00 PM
Benzene	23	1.7	8.3		µg/Kg-dry	1	3/20/2018 3:32:00 PM
Carbon tetrachloride	3100	82	410	D	µg/Kg-dry	50	3/22/2018 9:28:00 PM
Chlorobenzene	ND	1.7	8.3	U	µg/Kg-dry	1	3/20/2018 3:32:00 PM
Chloroform	4900	82	410	D	µg/Kg-dry	50	3/22/2018 9:28:00 PM
cis-1,2-Dichloroethene	6.3	1.7	8.3	J	µg/Kg-dry	1	3/20/2018 3:32:00 PM
Ethylbenzene	49	1.7	8.3		µg/Kg-dry	1	3/20/2018 3:32:00 PM
m,p-Xylene	310	3.3	17		µg/Kg-dry	1	3/20/2018 3:32:00 PM
Methyl tert-butyl ether	ND	1.7	8.3	U	µg/Kg-dry	1	3/20/2018 3:32:00 PM
Methylene chloride	690	82	410	BD	µg/Kg-dry	50	3/22/2018 9:28:00 PM
n-Butylbenzene	ND	1.7	8.3	U	µg/Kg-dry	1	3/20/2018 3:32:00 PM
n-Propylbenzene	4.5	1.7	8.3	J	µg/Kg-dry	1	3/20/2018 3:32:00 PM
o-Xylene	99	1.7	8.3		µg/Kg-dry	1	3/20/2018 3:32:00 PM
sec-Butylbenzene	ND	1.7	8.3	U	µg/Kg-dry	1	3/20/2018 3:32:00 PM
tert-Butylbenzene	ND	1.7	8.3	U	µg/Kg-dry	1	3/20/2018 3:32:00 PM
Tetrachloroethene	28	1.7	8.3		µg/Kg-dry	1	3/20/2018 3:32:00 PM
Toluene	3000	82	410	D	µg/Kg-dry	50	3/22/2018 9:28:00 PM
trans-1,2-Dichloroethene	ND	1.7	8.3	U	µg/Kg-dry	1	3/20/2018 3:32:00 PM
Trichloroethene	420	82	410	D	µg/Kg-dry	50	3/22/2018 9:28:00 PM
Vinyl chloride	ND	1.7	8.3	U	µg/Kg-dry	1	3/20/2018 3:32:00 PM
Xylenes, Total	410	5.0	25		µg/Kg-dry	1	3/20/2018 3:32:00 PM

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Lab Order:	1803098	**Collection Date:**	3/19/2018 11:00:00 AM
Project:	GE&P Recycling, 3608 Review Ave, Long Islan	**Matrix:**	SOIL
Lab ID:	1803098-001B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
MERCURY			**SW7471B**		**SW7471B**		Analyst: **JP**
Mercury	0.0212	0.0117	0.0219	J	mg/Kg-dry	1	3/22/2018 12:03:15 PM
PCB'S AS AROCLORS SW-846 METHOD 8082			**SW8082A**		**SW3546**		Analyst: **SB**
Aroclor 1016	ND	17	34	U	µg/Kg-dry	1	3/23/2018 6:10:00 PM
Aroclor 1221	ND	17	34	U	µg/Kg-dry	1	3/23/2018 6:10:00 PM
Aroclor 1232	ND	17	34	U	µg/Kg-dry	1	3/23/2018 6:10:00 PM
Aroclor 1242	ND	17	34	U	µg/Kg-dry	1	3/23/2018 6:10:00 PM
Aroclor 1248	ND	17	34	U	µg/Kg-dry	1	3/23/2018 6:10:00 PM
Aroclor 1254	ND	17	34	U	µg/Kg-dry	1	3/23/2018 6:10:00 PM
Aroclor 1260	ND	17	34	U	µg/Kg-dry	1	3/23/2018 6:10:00 PM
Aroclor 1262	ND	17	34	U	µg/Kg-dry	1	3/23/2018 6:10:00 PM
Aroclor 1268	ND	17	34	U	µg/Kg-dry	1	3/23/2018 6:10:00 PM
PERCENT MOISTURE			**D2216**				Analyst: **KK**
Percent Moisture	40.9	0	1.00		wt%	1	3/22/2018 2:10:18 PM
TOTAL METALS			**SW6010C**		**SW3050B**		Analyst: **JP**
Arsenic	5.28	0.329	0.823		mg/Kg-dry	1	3/22/2018 12:41:58 PM
Barium	30.4	0.329	0.658		mg/Kg-dry	1	3/22/2018 12:41:58 PM
Beryllium	ND	0.165	0.658	U	mg/Kg-dry	1	3/22/2018 12:41:58 PM
Cadmium	ND	0.165	0.658	U	mg/Kg-dry	1	3/22/2018 12:41:58 PM
Chromium	23.7	0.165	0.658		mg/Kg-dry	1	3/22/2018 12:41:58 PM
Copper	11.1	0.165	0.658		mg/Kg-dry	1	3/22/2018 12:41:58 PM
Lead	11.1	0.329	0.658		mg/Kg-dry	1	3/22/2018 12:41:58 PM
Manganese	270	0.165	0.658		mg/Kg-dry	1	3/22/2018 12:41:58 PM
Nickel	20.1	0.165	0.658		mg/Kg-dry	1	3/22/2018 12:41:58 PM
Selenium	ND	0.329	0.823	U	mg/Kg-dry	1	3/22/2018 12:41:58 PM
Silver	ND	0.165	0.658	U	mg/Kg-dry	1	3/22/2018 12:41:58 PM
Zinc	52.7	0.165	0.658		mg/Kg-dry	1	3/22/2018 12:41:58 PM
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3546**		Analyst: **MH**
2-Methylphenol	ND	41	410	U	µg/Kg-dry	1	3/23/2018 12:46:00 PM
3+4-Methylphenol	4600	41	410		µg/Kg-dry	1	3/23/2018 12:46:00 PM
Acenaphthene	ND	41	410	U	µg/Kg-dry	1	3/23/2018 12:46:00 PM
Acenaphthylene	ND	41	410	U	µg/Kg-dry	1	3/23/2018 12:46:00 PM

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Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3546**		Analyst: **MH**
Anthracene	ND	41	410	U	µg/Kg-dry	1	3/23/2018 12:46:00 PM
Benzo(a)anthracene	ND	41	410	U	µg/Kg-dry	1	3/23/2018 12:46:00 PM
Benzo(a)pyrene	ND	41	250	U	µg/Kg-dry	1	3/23/2018 12:46:00 PM
Benzo(b)fluoranthene	ND	41	410	U	µg/Kg-dry	1	3/23/2018 12:46:00 PM
Benzo(g,h,i)perylene	ND	41	410	U	µg/Kg-dry	1	3/23/2018 12:46:00 PM
Benzo(k)fluoranthene	ND	41	410	U	µg/Kg-dry	1	3/23/2018 12:46:00 PM
Chrysene	ND	41	410	U	µg/Kg-dry	1	3/23/2018 12:46:00 PM
Dibenzo(a,h)anthracene	ND	41	250	U	µg/Kg-dry	1	3/23/2018 12:46:00 PM
Dibenzofuran	ND	41	410	U	µg/Kg-dry	1	3/23/2018 12:46:00 PM
Fluoranthene	ND	41	410	U	µg/Kg-dry	1	3/23/2018 12:46:00 PM
Fluorene	ND	41	410	U	µg/Kg-dry	1	3/23/2018 12:46:00 PM
Hexachlorobenzene	ND	41	410	U	µg/Kg-dry	1	3/23/2018 12:46:00 PM
Indeno(1,2,3-c,d)pyrene	ND	41	410	U	µg/Kg-dry	1	3/23/2018 12:46:00 PM
Naphthalene	ND	41	410	U	µg/Kg-dry	1	3/23/2018 12:46:00 PM
Pentachlorophenol	ND	83	830	U	µg/Kg-dry	1	3/23/2018 12:46:00 PM
Phenanthrene	ND	41	410	U	µg/Kg-dry	1	3/23/2018 12:46:00 PM
Phenol	9800	410	4100	D	µg/Kg-dry	10	3/23/2018 1:12:00 PM
Pyrene	ND	41	410	U	µg/Kg-dry	1	3/23/2018 12:46:00 PM
CYANIDE, TOTAL			**SW9012B**		**SW9012B**		Analyst: **STP**
Cyanide, Total & Amenable: Auto Colorimetric	0.148	0.0846	0.169	J	mg/Kg-dry	1	3/20/2018 2:05:38 PM
TRIVALENT CHROMIUM			**SW6010C**				Analyst: **JP**
Chromium, Trivalent	23.7	0.165	0.658		mg/Kg-dry	1	3/22/2018
HEXAVALENT CHROMIUM			**SW7196A**		**SW3060A**		Analyst: **JaP**
Chromium, Hexavalent	ND	0.408	0.817	U	mg/Kg-dry	1	3/23/2018 9:30:00 AM