



44 McPherson Road
Annapolis, MD 21401
410-544-6000

Mr. Austin Berg
The Berg Corporation
2519 Wilkens Avenue
Baltimore, MD 21223

February 8, 2021

Ref: TCLP and PCB Waste Stream Sampling for Proper Disposal Characterization
3801 Fort Armistead Road, Baltimore, MD

IA Project# S611-2020-R1

Dear Mr. Berg:

As per Environmental Protection Agency (EPA) regulation (40 CFR 261.24) an experienced International Academy, Inc. (IA) and EPA lead trained representative collected a Toxicity Characteristic Leaching Procedure (TCLP) and Polychlorinated biphenyl (PCB) bulk sample from the property located at 3801 Fort Armistead Road, Baltimore, MD. In accordance with EPAs TCLP regulation a 100-gram bulk sample of clay based soil was collected from the demolition waste stream from said property. The sample was collected on January 26, 2021 and placed inside of a labeled glass sampling jar upon collection.

Following Chain of Custody protocol, the sample was hand delivered to Maryland Spectral Services located in Baltimore, Maryland. The bulk sample was submitted for TCLP and PCB analysis per (EPA 40 CFR part 261) and (EPA 8082A) respectively. The sample was analyzed for TCLP RCRA 8 Metals, VOCs, SVOCs and total PCBs. The EPA has identified 40 toxic chemicals that can cause harm when products containing them are disposed in landfills and chemicals leach out (See Table Below). To determine the potential of specific wastes to leach dangerous concentrations of toxic chemicals into groundwater, the EPA developed a protocol know as TCLP.

TCLP Metals and Volatile Organic Compounds, Pesticides, Semi-Volatile Organic Compounds and Herbicides					
Metals			Volatile Organic Compounds		
Contaminant	EPA HW #	Regulatory Level	Contaminant	EPA HW #	Regulatory Level
Arsenic	D004	5.0 mg/L	Benzene	D018	0.5 mg/L
Barium	D005	100.0 mg/L	Carbon tetrachloride	D019	0.5 mg/L
Cadmium	D006	1.0 mg/L	Chlorobenzene	D021	100.0 mg/L
Chromium	D007	5.0 mg/L	Chloroform	D022	6.0 mg/L
Lead	D008	5.0 mg/L	1,2-Dichloroethane	D028	0.5 mg/L
Mercury	D009	0.2 mg/L	1,1-Dichloroethylene	D029	0.7 mg/L
Selenium	D010	1.0 mg/L	Methyl ethyl ketone	D035	200.0 mg/L
Silver	D011	5.0 mg/L	Tetrachloroethylene	D039	0.7 mg/L
			Trichloroethylene	D040	0.5 mg/L
			Vinyl chloride	D043	0.2 mg/L
Pesticides			Semi-Volatile Organic Compounds		
Contaminant	EPA HW #	Regulatory Level	Contaminant	EPA HW #	Regulatory Level
Chlordane	D020	0.03 mg/L	o-Cresol	D023	200.0 mg/L
Endrin	D012	0.02 mg/L	m-Cresol	D024	200.0 mg/L
Heptachlor (and its epoxide)	D031	0.008 mg/L	p-Cresol	D025	200.0 mg/L
Lindane	D013	0.4 mg/L	Cresol	D026	200.0 mg/L
Methoxychlor	D014	10.0 mg/L	1,4-Dichlorobenzene	D027	7.5 mg/L
Toxaphene	D015	0.5 mg/L	2,4-Dinitrotoluene	D030	0.13 mg/L
			Hexachlorobenzene	D032	0.13 mg/L
			Hexachlorobutadiene	D033	0.5 mg/L
			Hexachloroethane	D034	3.0 mg/L
			Nitrobenzene	D036	2.0 mg/L
Herbicides			Pentachlorophenol	D037	100.0 mg/L
Contaminant	EPA HW #	Regulatory Level	Pyridine	D038	5.0 mg/L
2,4-D	D016	10.0 mg/L	2,4,5-Trichlorophenol	D041	400.0 mg/L
2,4,5-TP (Silvex)	D017	1.0 mg/L	2,4,6-Trichlorophenol	D042	2.0 mg/L



Products containing one or more of the listed toxins are assessed using the TCLP to estimate how much of their toxic contents would be released into landfill leachate under ordinary conditions. If the amount of a particular chemical released under test conditions exceeds the regulatory limits, the waste qualifies as hazardous and must be handled according to regulations governing hazardous waste, such as handling by certified disposal agents and recycling or disposing in specially designated landfills and incinerators. Products that do not leach toxic materials at levels exceeding regulatory limits are termed TCLP compliant.

Upon TCLP and PCB analysis Maryland Spectral Services reported all analyzed compounds within the clay soil waste stream sample to be Non-Detected (ND) and **Below** the EPA disposal regulatory limits for RCRA 8 Metals, SVOC and VOC and PCBs. Please find laboratory results attached.

IA appreciates the opportunity to provide you with environmental services. Should you have any questions, please feel free to contact us at 410-544-6000.

Respectfully submitted,
INTERNATIONAL ACADEMY, INC

A handwritten signature in black ink, appearing to read "JA Simpson", written over a light blue circular stamp.

Jason A. Simpson
Project Manager

Attachments:

MSS Lab report

01 February 2021

Jason Simpson
International Academy, Inc.
44 McPherson Road
Annapolis, MD 21401
RE: 3801 FORT ARMISTEAD RD

Enclosed are the results of analyses for samples received by the laboratory on 01/26/21 13:00.

Maryland Spectral Services, Inc. is a TNI 2009 Standard accredited laboratory and as such, all analyses performed at Maryland Spectral Services included in this report are 2009 TNI certified except as indicated at the end of this report. Please visit our website at www.mdspectral.com for a complete listing of our TNI 2009 Standard accreditations.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Will Brewington
President

Analytical Results

Project: 3801 FORT ARMISTEAD RD

Project Number: [none]
Project Manager: Jason Simpson

Reported:
02/01/21 15:30

Client Sample ID	Alternate Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
012621-01		1012609-01	Soil	01/26/21 13:00	01/26/21 13:00



Will Brewington, President

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Analytical Results

Project: 3801 FORT ARMISTEAD RD

Project Number: [none]
Project Manager: Jason Simpson

Reported:
02/01/21 15:30

012621-01

1012609-01 (Soil)
Sample Date: 01/26/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
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PERCENT SOLIDS BY ASTM D2216-05 Prepared by Percent Solids

Percent Solids	82		%			1	01/27/21	01/28/21 11:24	MH
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POLYCHLORINATED BIPHENYLS BY EPA 8082A (GC/ECD) Prepared by 3540-GC(Soxhlet) CIpestPCB

Aroclor-1016	ND		ug/kg dry	101	101	1	01/26/21	01/28/21 05:32	SJA
Aroclor-1221	ND		ug/kg dry	207	207	1	01/26/21	01/28/21 05:32	SJA
Aroclor-1232	ND		ug/kg dry	101	101	1	01/26/21	01/28/21 05:32	SJA
Aroclor-1242	ND		ug/kg dry	101	101	1	01/26/21	01/28/21 05:32	SJA
Aroclor-1248	ND		ug/kg dry	101	101	1	01/26/21	01/28/21 05:32	SJA
Aroclor-1254	ND		ug/kg dry	101	101	1	01/26/21	01/28/21 05:32	SJA
Aroclor-1260	ND		ug/kg dry	101	101	1	01/26/21	01/28/21 05:32	SJA
Aroclor-1262	ND		ug/kg dry	101	101	1	01/26/21	01/28/21 05:32	SJA
Aroclor-1268	ND		ug/kg dry	101	101	1	01/26/21	01/28/21 05:32	SJA

Surrogate: Tetrachloro-m-xylene 40-150 82 % 01/26/21 01/28/21 05:32

Surrogate: Decachlorobiphenyl 40-150 86 % 01/26/21 01/28/21 05:32

TCLP Volatile Organics by EPA 1311/8260B (GC/MS) Prepared by 5030-GCMS (TCLP)

Benzene	ND		ug/L	25.0	25.0	5	01/27/21	01/27/21 19:10	AS
2-Butanone (MEK)	ND		ug/L	50.0	50.0	5	01/27/21	01/27/21 19:10	AS
Carbon tetrachloride	ND		ug/L	25.0	25.0	5	01/27/21	01/27/21 19:10	AS
Chlorobenzene	ND		ug/L	25.0	25.0	5	01/27/21	01/27/21 19:10	AS
Chloroform	ND		ug/L	25.0	25.0	5	01/27/21	01/27/21 19:10	AS
1,4-Dichlorobenzene	ND		ug/L	25.0	25.0	5	01/27/21	01/27/21 19:10	AS
1,2-Dichloroethane	ND		ug/L	25.0	25.0	5	01/27/21	01/27/21 19:10	AS
1,1-Dichloroethene	ND		ug/L	25.0	25.0	5	01/27/21	01/27/21 19:10	AS
Tetrachloroethene	ND		ug/L	25.0	25.0	5	01/27/21	01/27/21 19:10	AS
Trichloroethene	ND		ug/L	25.0	25.0	5	01/27/21	01/27/21 19:10	AS
Vinyl chloride	ND		ug/L	25.0	25.0	5	01/27/21	01/27/21 19:10	AS

Surrogate: 1,2-Dichloroethane-d4 70-130 108 % 01/27/21 01/27/21 19:10

Surrogate: Toluene-d8 75-125 103 % 01/27/21 01/27/21 19:10

Surrogate: 4-Bromofluorobenzene 75-125 96 % 01/27/21 01/27/21 19:10



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Analytical Results

Project: 3801 FORT ARMISTEAD RD

Project Number: [none]
Project Manager: Jason Simpson

Reported:
02/01/21 15:30

012621-01

1012609-01 (Soil)
Sample Date: 01/26/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TCLP Semivolatile Organics by EPA 1311/8270D (GC/MS) Prepared by 3510-GCMS(Sep Funnel) (TCLP)									
1,4-Dichlorobenzene	ND		ug/L	12.5	5.00	1	01/28/21	01/29/21 12:40	WB
2,4-Dinitrotoluene	ND		ug/L	12.5	5.00	1	01/28/21	01/29/21 12:40	WB
Hexachlorobenzene	ND		ug/L	12.5	5.00	1	01/28/21	01/29/21 12:40	WB
Hexachlorobutadiene	ND		ug/L	12.5	5.00	1	01/28/21	01/29/21 12:40	WB
Hexachloroethane	ND		ug/L	12.5	5.00	1	01/28/21	01/29/21 12:40	WB
3&4-Methylphenol	ND		ug/L	12.5	5.00	1	01/28/21	01/29/21 12:40	WB
2-Methylphenol	ND		ug/L	12.5	5.00	1	01/28/21	01/29/21 12:40	WB
Nitrobenzene	ND		ug/L	12.5	5.00	1	01/28/21	01/29/21 12:40	WB
Pentachlorophenol	ND		ug/L	100	50.0	1	01/28/21	01/29/21 12:40	WB
Pyridine	ND		ug/L	12.5	12.5	1	01/28/21	01/29/21 12:40	WB
2,4,5-Trichlorophenol	ND		ug/L	12.5	5.00	1	01/28/21	01/29/21 12:40	WB
2,4,6-Trichlorophenol	ND		ug/L	12.5	5.00	1	01/28/21	01/29/21 12:40	WB
<i>Surrogate: 2-Fluorophenol</i>		23-121		75 %	01/28/21		01/29/21 12:40		
<i>Surrogate: Phenol-d5</i>		24-113		61 %	01/28/21		01/29/21 12:40		
<i>Surrogate: Nitrobenzene-d5</i>		23-120		90 %	01/28/21		01/29/21 12:40		
<i>Surrogate: 2,4,6-Tribromophenol</i>		19-122		99 %	01/28/21		01/29/21 12:40		
<i>Surrogate: 2-Fluorobiphenyl</i>		30-115		92 %	01/28/21		01/29/21 12:40		
<i>Surrogate: Terphenyl-d14</i>		18-137		96 %	01/28/21		01/29/21 12:40		
TCLP Metals by EPA 1311/3010A/6020B (ICP-MS) Prepared by 3010A-Metals Digestion(TCLP)									
Arsenic	ND		mg/L	0.500	0.500	1	01/27/21	01/28/21 12:52	VVD
Barium	ND		mg/L	0.500	0.500	1	01/27/21	01/28/21 12:52	VVD
Cadmium	ND		mg/L	0.500	0.500	1	01/27/21	01/28/21 12:52	VVD
Chromium	ND		mg/L	0.500	0.500	1	01/27/21	01/28/21 12:52	VVD
Lead	ND		mg/L	0.500	0.500	1	01/27/21	01/28/21 12:52	VVD
Mercury	ND		mg/L	0.0100	0.0100	1	01/27/21	01/28/21 12:52	VVD
Selenium	ND		mg/L	0.500	0.500	1	01/27/21	01/28/21 12:52	VVD
Silver	ND		mg/L	0.500	0.500	1	01/27/21	01/28/21 12:52	VVD

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Analytical Results

Project: 3801 FORT ARMISTEAD RD

Project Number: [none]
Project Manager: Jason Simpson

Reported:
02/01/21 15:30

Maryland Spectral Services does not maintain certification for the following analytical parameters:

Maryland Spectral Services

Matrix , Method , Analyte

Soil | 8270 (TCLP) | 1,4-Dichlorobenzene
Soil | 8270 (TCLP) | Hexachlorobenzene
Soil | 8270 (TCLP) | Hexachloroethane
Soil | 8270 (TCLP) | 2-Methylphenol
Soil | 8270 (TCLP) | Pentachlorophenol
Soil | 8270 (TCLP) | 2,4,5-Trichlorophenol
Soil | 8260 (TCLP) | Benzene
Soil | 8260 (TCLP) | Carbon tetrachloride
Soil | 8260 (TCLP) | Chloroform
Soil | 8260 (TCLP) | 1,2-Dichloroethane
Soil | 8260 (TCLP) | Tetrachloroethene
Soil | 8260 (TCLP) | Vinyl chloride
Soil | 6020 (RCRA8 TCLP) | Barium
Soil | 6020 (RCRA8 TCLP) | Chromium
Soil | 6020 (RCRA8 TCLP) | Mercury
Soil | 6020 (RCRA8 TCLP) | Silver

Soil | 8270 (TCLP) | 2,4-Dinitrotoluene
Soil | 8270 (TCLP) | Hexachlorobutadiene
Soil | 8270 (TCLP) | 3&4-Methylphenol
Soil | 8270 (TCLP) | Nitrobenzene
Soil | 8270 (TCLP) | Pyridine
Soil | 8270 (TCLP) | 2,4,6-Trichlorophenol
Soil | 8260 (TCLP) | 2-Butanone (MEK)
Soil | 8260 (TCLP) | Chlorobenzene
Soil | 8260 (TCLP) | 1,4-Dichlorobenzene
Soil | 8260 (TCLP) | 1,1-Dichloroethene
Soil | 8260 (TCLP) | Trichloroethene
Soil | 6020 (RCRA8 TCLP) | Arsenic
Soil | 6020 (RCRA8 TCLP) | Cadmium
Soil | 6020 (RCRA8 TCLP) | Lead
Soil | 6020 (RCRA8 TCLP) | Selenium

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Analytical Results

Project: 3801 FORT ARMISTEAD RD

Project Number: [none]
Project Manager: Jason Simpson

Reported:
02/01/21 15:30

Notes and Definitions

J	Detected but below the reporting limit; therefore, result is an estimated concentration (CLP J-Flag).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
%-Solids	Percent Solids is a supportive test and as such does not require accreditation



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16 August 2021

Jason Simpson
International Academy, Inc.
44 McPherson Road
Annapolis, MD 21401
RE: 3801 FORT ARMISTEAD RD

Enclosed are the results of analyses for samples received by the laboratory on 08/06/21 09:30.

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If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Will Brewington
President

Analytical Results

Project: 3801 FORT ARMISTEAD RD

Project Number: BERG
Project Manager: Jason Simpson

Reported:
08/16/21 14:37

Client Sample ID	Alternate Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
01		1080601-01	Soil	08/06/21 00:00	08/06/21 09:30



Will Brewington, President

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Analytical Results

Project: 3801 FORT ARMISTEAD RD

Project Number: BERG
Project Manager: Jason Simpson

Reported:
08/16/21 14:37

01

1080601-01 (Soil)
Sample Date: 08/06/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Semivolatile Organics by EPA 3540/8270D (GC/MS) Prepared by 3540-GCMS(Soxhlet)									
Acenaphthene	ND		ug/kg dry	305	122	1	08/10/21	08/11/21 13:25	WB
Acenaphthylene	ND		ug/kg dry	305	122	1	08/10/21	08/11/21 13:25	WB
Anthracene	ND		ug/kg dry	305	122	1	08/10/21	08/11/21 13:25	WB
Benzo[a]anthracene	ND		ug/kg dry	305	122	1	08/10/21	08/11/21 13:25	WB
Benzo[b]fluoranthene	ND		ug/kg dry	305	122	1	08/10/21	08/11/21 13:25	WB
Benzo[k]fluoranthene	ND		ug/kg dry	305	122	1	08/10/21	08/11/21 13:25	WB
Benzo[ghi]perylene	ND		ug/kg dry	305	122	1	08/10/21	08/11/21 13:25	WB
Benzo[a]pyrene	ND		ug/kg dry	305	122	1	08/10/21	08/11/21 13:25	WB
4-Bromophenyl phenyl ether	ND		ug/kg dry	305	122	1	08/10/21	08/11/21 13:25	WB
Butyl benzyl phthalate	ND		ug/kg dry	305	122	1	08/10/21	08/11/21 13:25	WB
Carbazole	ND		ug/kg dry	305	122	1	08/10/21	08/11/21 13:25	WB
4-Chloro-3-methylphenol	ND		ug/kg dry	305	122	1	08/10/21	08/11/21 13:25	WB
4-Chloroaniline	ND		ug/kg dry	305	122	1	08/10/21	08/11/21 13:25	WB
Bis(2-chloroethoxy)methane	ND		ug/kg dry	305	122	1	08/10/21	08/11/21 13:25	WB
Bis(2-chloroethyl) ether	ND		ug/kg dry	305	122	1	08/10/21	08/11/21 13:25	WB
2,2'-Oxybis(1-Chloropropane)	ND		ug/kg dry	305	122	1	08/10/21	08/11/21 13:25	WB
2-Chloronaphthalene	ND		ug/kg dry	305	122	1	08/10/21	08/11/21 13:25	WB
2-Chlorophenol	ND		ug/kg dry	305	122	1	08/10/21	08/11/21 13:25	WB
4-Chlorophenyl phenyl ether	ND		ug/kg dry	305	122	1	08/10/21	08/11/21 13:25	WB
Chrysene	ND		ug/kg dry	305	122	1	08/10/21	08/11/21 13:25	WB
Di-n-butyl phthalate	ND		ug/kg dry	305	122	1	08/10/21	08/11/21 13:25	WB
Di-n-octyl phthalate	ND		ug/kg dry	305	122	1	08/10/21	08/11/21 13:25	WB
Dibenzo[a,h]anthracene	ND		ug/kg dry	305	122	1	08/10/21	08/11/21 13:25	WB
Dibenzofuran	ND		ug/kg dry	305	122	1	08/10/21	08/11/21 13:25	WB
1,2-Dichlorobenzene	ND		ug/kg dry	305	122	1	08/10/21	08/11/21 13:25	WB
1,3-Dichlorobenzene	ND		ug/kg dry	305	122	1	08/10/21	08/11/21 13:25	WB
1,4-Dichlorobenzene	ND		ug/kg dry	305	122	1	08/10/21	08/11/21 13:25	WB
3,3-Dichlorobenzidine	ND		ug/kg dry	610	610	1	08/10/21	08/11/21 13:25	WB
2,4-Dichlorophenol	ND		ug/kg dry	305	122	1	08/10/21	08/11/21 13:25	WB
Diethyl phthalate	ND		ug/kg dry	305	122	1	08/10/21	08/11/21 13:25	WB
Dimethyl phthalate	ND		ug/kg dry	305	122	1	08/10/21	08/11/21 13:25	WB
2,4-Dimethylphenol	ND		ug/kg dry	305	122	1	08/10/21	08/11/21 13:25	WB
2-Methyl-4,6-dinitrophenol	ND		ug/kg dry	1520	1520	1	08/10/21	08/11/21 13:25	WB

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Will Brewington, President

All analyses performed at Maryland Spectral Services included in the report are TNI certified except as indicated at the end of the report

Analytical Results

Project: 3801 FORT ARMISTEAD RD

Project Number: BERG
Project Manager: Jason Simpson

Reported:
08/16/21 14:37

01

1080601-01 (Soil)
Sample Date: 08/06/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Semivolatile Organics by EPA 3540/8270D (GC/MS) Prepared by 3540-GCMS(Soxhlet) (continued)									
2,4-Dinitrophenol	ND		ug/kg dry	1520	1520	1	08/10/21	08/11/21 13:25	WB
2,4-Dinitrotoluene	ND		ug/kg dry	305	122	1	08/10/21	08/11/21 13:25	WB
2,6-Dinitrotoluene	ND		ug/kg dry	305	122	1	08/10/21	08/11/21 13:25	WB
Bis(2-ethylhexyl) phthalate	ND		ug/kg dry	305	122	1	08/10/21	08/11/21 13:25	WB
Fluoranthene	ND		ug/kg dry	305	122	1	08/10/21	08/11/21 13:25	WB
Fluorene	ND		ug/kg dry	305	122	1	08/10/21	08/11/21 13:25	WB
Hexachlorobenzene	ND		ug/kg dry	305	122	1	08/10/21	08/11/21 13:25	WB
Hexachlorobutadiene	ND		ug/kg dry	305	122	1	08/10/21	08/11/21 13:25	WB
Hexachlorocyclopentadiene	ND		ug/kg dry	305	122	1	08/10/21	08/11/21 13:25	WB
Hexachloroethane	ND		ug/kg dry	305	122	1	08/10/21	08/11/21 13:25	WB
Indeno[1,2,3-cd]pyrene	ND		ug/kg dry	305	122	1	08/10/21	08/11/21 13:25	WB
Isophorone	ND		ug/kg dry	305	122	1	08/10/21	08/11/21 13:25	WB
2-Methylnaphthalene	ND		ug/kg dry	305	122	1	08/10/21	08/11/21 13:25	WB
3&4-Methylphenol	ND		ug/kg dry	305	122	1	08/10/21	08/11/21 13:25	WB
2-Methylphenol	ND		ug/kg dry	305	122	1	08/10/21	08/11/21 13:25	WB
N-Nitroso-di-n-propylamine	ND		ug/kg dry	305	122	1	08/10/21	08/11/21 13:25	WB
N-Nitrosodiphenylamine	ND		ug/kg dry	305	122	1	08/10/21	08/11/21 13:25	WB
Naphthalene	ND		ug/kg dry	305	122	1	08/10/21	08/11/21 13:25	WB
2-Nitroaniline	ND		ug/kg dry	1520	1520	1	08/10/21	08/11/21 13:25	WB
3-Nitroaniline	ND		ug/kg dry	1520	1520	1	08/10/21	08/11/21 13:25	WB
4-Nitroaniline	ND		ug/kg dry	1520	1520	1	08/10/21	08/11/21 13:25	WB
Nitrobenzene	ND		ug/kg dry	305	122	1	08/10/21	08/11/21 13:25	WB
2-Nitrophenol	ND		ug/kg dry	305	122	1	08/10/21	08/11/21 13:25	WB
4-Nitrophenol	ND		ug/kg dry	1520	1520	1	08/10/21	08/11/21 13:25	WB
Pentachlorophenol	ND		ug/kg dry	1520	610	1	08/10/21	08/11/21 13:25	WB
Phenanthrene	ND		ug/kg dry	305	122	1	08/10/21	08/11/21 13:25	WB
Phenol	ND		ug/kg dry	305	122	1	08/10/21	08/11/21 13:25	WB
Pyrene	ND		ug/kg dry	305	122	1	08/10/21	08/11/21 13:25	WB
1,2,4-Trichlorobenzene	ND		ug/kg dry	305	122	1	08/10/21	08/11/21 13:25	WB
2,4,5-Trichlorophenol	ND		ug/kg dry	305	122	1	08/10/21	08/11/21 13:25	WB
2,4,6-Trichlorophenol	ND		ug/kg dry	305	122	1	08/10/21	08/11/21 13:25	WB
Surrogate: 2-Fluorophenol		23-121		87 %	08/10/21		08/11/21 13:25		
Surrogate: Phenol-d5		24-113		88 %	08/10/21		08/11/21 13:25		

Will Brewington, President

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Analytical Results

Project: 3801 FORT ARMISTEAD RD

Project Number: BERG
Project Manager: Jason Simpson

Reported:
08/16/21 14:37

01

1080601-01 (Soil)
Sample Date: 08/06/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Semivolatile Organics by EPA 3540/8270D (GC/MS) Prepared by 3540-GCMS(Soxhlet) (continued)									
Surrogate: Nitrobenzene-d5			23-120	96 %		08/10/21	08/11/21 13:25		
Surrogate: 2,4,6-Tribromophenol			19-122	105 %		08/10/21	08/11/21 13:25		
Surrogate: 2-Fluorobiphenyl			30-115	102 %		08/10/21	08/11/21 13:25		
Surrogate: Terphenyl-d14			18-137	113 %		08/10/21	08/11/21 13:25		
PERCENT SOLIDS BY ASTM D2216-05 Prepared by Percent Solids									
Percent Solids	82		%			1	08/06/21	08/09/21 10:07	CRP
Total Metals Analysis by EPA 6020B Prepared by 3050B-Metals Digestion									
Arsenic	0.716		mg/kg dry	0.305	0.305	1	08/10/21	08/11/21 12:00	CWK
Cadmium	ND		mg/kg dry	0.305	0.305	1	08/10/21	08/11/21 12:00	CWK
Chromium	12.5		mg/kg dry	0.305	0.305	1	08/10/21	08/11/21 12:00	CWK
Copper	7.59		mg/kg dry	0.305	0.305	1	08/10/21	08/11/21 12:00	CWK
Lead	4.26		mg/kg dry	0.305	0.305	1	08/10/21	08/11/21 12:00	CWK
Mercury	ND		mg/kg dry	0.015	0.015	1	08/10/21	08/11/21 12:00	CWK
Molybdenum	ND		mg/kg dry	0.305	0.305	1	08/10/21	08/11/21 12:00	CWK
Nickel	3.75		mg/kg dry	0.305	0.305	1	08/10/21	08/11/21 12:00	CWK
Selenium	1.89		mg/kg dry	0.305	0.305	1	08/10/21	08/11/21 12:00	CWK
Zinc	3.72		mg/kg dry	1.52	1.52	1	08/10/21	08/11/21 12:00	CWK
Hexavalent Chromium by EPA 7199 Prepared by 3060A-Hexavalent Chromium Digestion									
Chromium, Hexavalent	ND		mg/kg dry	0.305	0.305	1	08/06/21	08/07/21 00:38	VVD

Will Brewington, President

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Analytical Results

Project: 3801 FORT ARMISTEAD RD

Project Number: BERG
Project Manager: Jason Simpson

Reported:
08/16/21 14:37

Maryland Spectral Services does not maintain certification for the following analytical parameters:

Maryland Spectral Services

Matrix , Method , Analyte _____

Soil | 7199-(Chromium6) | Chromium, Hexavalent

Soil | 6020S-Mo | Molybdenum



Will Brewington, President

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Analytical Results

Project: 3801 FORT ARMISTEAD RD

Project Number: BERG
Project Manager: Jason Simpson

Reported:
08/16/21 14:37

Notes and Definitions

- QM-4X The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
- J Detected but below the reporting limit; therefore, result is an estimated concentration (CLP J-Flag).
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference
- %-Solids Percent Solids is a supportive test and as such does not require accreditation



Will Brewington, President

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Company Name: IA, Inc. <i>Annapolis, MD</i>		Project Manager: J.SIMPSON 410-320-2225		Analysis Requested										CHAIN-OF-CUSTODY RECORD							
Project Name: 3801 FORT ARMISTEAD ROAD, BALTIMORE, MD		Project ID: BERG		EPA 8270D EPA 7199/218.6 EPA 6020B ZINC EPA 6020B SELENIUM EPA 6020B LEAD EPA 6020B NICKEL EPA 6020B MOLYBDENUM EPA 6020B MERCURY EPA 6020B COPPER EPA 6020B CHROMIUM										Maryland Spectral Services, Inc. 1500 Caton Center Drive, Suite G Baltimore, MD 21227 410-247-7600 • Fax 410-247-7602 reporting@mdspectral.com							
Sampler(s): JUAN MALDONADO AND JASON SIMPSON		P.O. Number: BERG												Matrix Codes: NW (non-potable water), DW (drinking water)							
Field Sample ID	Date	Time	DW	Water	Soil	Other	No. of Containers	EPA 8270D	EPA 7199/218.6	EPA 6020B ZINC	EPA 6020B SELENIUM	EPA 6020B LEAD	EPA 6020B NICKEL	EPA 6020B MOLYBDENUM	EPA 6020B MERCURY	EPA 6020B COPPER	EPA 6020B CHROMIUM	Preservative	Field Notes	MSS Lab ID	
01A	8/6						2	X	X	X	X	X	X	X	X	X	X			1080601-01	
01B	8/6																				
PAGE 1 OF 2																					
Relinquished by: <i>(Signature)</i>		Date/Time		Received by: <i>(Signature)</i>		Relinquished by: <i>(Signature)</i>		Date/Time		Received by: <i>(Signature)</i>											
<i>(Printed)</i>		8/6/21		<i>(Printed)</i>		<i>(Printed)</i>				<i>(Printed)</i>											
Relinquished by: <i>(Signature)</i>		Date/Time		Received by Lab: <i>(Signature)</i>		Turn Around Time:		Lab Use:													
<i>(Printed)</i>		9:30		<i>(Printed)</i>		<input checked="" type="checkbox"/> Normal (7 day) <input type="checkbox"/> 5 day <input type="checkbox"/> 4 day <input type="checkbox"/> 3 day <input type="checkbox"/> Rush (2 day) <input type="checkbox"/> Next Day <input type="checkbox"/> Other: _____ <input type="checkbox"/> Specific Due Date: _____		Temp: ____°C 19.8 <input checked="" type="checkbox"/> Received on Ice <input type="checkbox"/> Received same day													
Delivery Method:		Special Instructions/QC Requirements & Comments:		Sample Disposal:																	
<input type="checkbox"/> Courier <input checked="" type="checkbox"/> Client <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> USPS <input type="checkbox"/> Other: _____				<input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by lab <input type="checkbox"/> Archive for ____ days																	

Company Name: IA, Inc. Annapolis, MD		Project Manager: J. SIMPSON 410-320-2225		Analysis Requested												CHAIN-OF-CUSTODY RECORD				
Project Name: 3801 FORT ARMISTEAD ROAD, BALTIMORE, MD		Project ID: BERG														Maryland Spectral Services, Inc. 1500 Caton Center Drive, Suite G Baltimore, MD 21227 410-247-7600 • Fax 410-247-7602 reporting@mdspectral.com				
Sampler(s): JUAN MALDONADO AND JASON SIMPSON		P.O. Number: BERG														Matrix Codes: NW (non-potable water), DW (drinking water)				
Field Sample ID	Date	Time	DW	Water	Soil	Other	No. of Containers	EPA 6020B CADMIUM	EPA 6020B ARSENIC									Preservative	Field Notes	MSS Lab ID
01A	8/06						2	X	X	X	X	X	X	X	X	X	X			1080601-01
01B	8/06																			
PAGE 2 OF 2																				
Relinquished by: (Signature)		Date/Time		Received by: (Signature)				Relinquished by: (Signature)				Date/Time		Received by: (Signature)						
		8/6/21																		
(Printed)				(Printed)				(Printed)						(Printed)						
Relinquished by: (Signature)		Date/Time		Received by Lab: (Signature)				Turn Around Time:				Lab Use:								
		9:30						<input checked="" type="checkbox"/> Normal (7 day) <input type="checkbox"/> 5 day <input type="checkbox"/> 4 day <input type="checkbox"/> 3 day <input type="checkbox"/> Rush (2 day) <input type="checkbox"/> Next Day <input type="checkbox"/> Other: _____ <input type="checkbox"/> Specific Due Date: _____				Temp: _____°C 19.8 <input checked="" type="checkbox"/> Received on Ice <input type="checkbox"/> Received same day								
(Printed)		8/6/21		Kori Foster																
Delivery Method:		Special Instructions/QC Requirements & Comments:																		
<input type="checkbox"/> Courier <input type="checkbox"/> Client <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> USPS <input type="checkbox"/> Other: _____																				
		<input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by lab <input type="checkbox"/> Archive for _____ days																		