



Manifest # 1004030

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>19011 91</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
<u>2500 1000 1000</u>	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
<u>19011 91</u>	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION
19011 91

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____
Address: _____ Truck # and License Plate: 20 101 M # 6
Driver: BULLARD SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 10-9-10

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: 10-9-10

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1244858

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-8220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: _____	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
_____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____
Address: _____ Truck # and License Plate: _____
Driver: _____ SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1244859

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other: _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: CLEAN EARTH OF PHILADELPHIA 3201 S. 61st Street Philadelphia, PA	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

1244859
11/15/15

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____
Address: _____ Truck # and License Plate: _____
Driver: _____ SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 224052

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>3201 S. 61st Street Philadelphia, PA 19153</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: <u>215-724-5520</u>	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____
Address: _____ Truck # and License Plate: AST22
Driver: John J. [Signature] SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 124486

GLOBAL JOB NUMBER: 14767

FACILITY APPROVAL NUMBER: 153071110

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 81st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>138th St LLC / 138th St</u> <u>255 West 138th Street</u> <u>Bronx NY</u>		GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____		TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION <u>NON HAZ</u> <u>Job # 11</u>		NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Letty Garcia Title: _____
 Signature: [Signature] Date and Time: 10-9-15

TRANSPORTER

Company: Shirley Express LLC Phone Number: _____
 Address: 702 Ramsey Ave. Hightstown NJ 07205 Truck # and License Plate: AP 1G1M #2
 Driver: BOLIVAR SW Haulers Permit #: NJ-028
 (Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 11:00 AM 10-9-15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1244857

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-8633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: _____	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
_____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____
Address: _____ Truck # and License Plate: _____
Driver: _____ SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 113574

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 15307118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-426-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>Stuart Street</u> <u>Bonk NY</u>		GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____		TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION <u>Non Haz Urban fill</u>		NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Letitia Const Title: Sciper
 Signature: _____ Date and Time: 10-11-15

TRANSPORTER

Company: Alvarez Trucking Phone Number: _____
 Address: 190 Union Ave Bldg 16 NJ Truck # and License Plate: # 83-AL337 N NT
 Driver: Jose Antonio Arias SW Haulers Permit #: _____
 (Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 10-12-15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature] Date and Time: 10-12-15

I hereby certify that the above named material has been accepted at the above referenced facility.
 Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1134460

GLOBAL JOB NUMBER: _____

FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE:	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Material

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: BATELLO KAPOTA Title: _____
 Signature: _____ Date and Time: 10/17/05

TRANSPORTER

Company: Maple Trucking Phone Number: _____
 Address: 1150 S. 1st St. Philadelphia, PA Truck # and License Plate: 1150 123456
 Driver: John P. Smith SW Haulers Permit #: _____ (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 939431

GLOBAL JOB NUMBER: 939431 FACILITY APPROVAL NUMBER: 15307112

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>255 E 88 Street</u> <u>Brooklyn NY</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE:	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

NEAR MAT within fill

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Esther York Title: Supervisor
Signature: [Signature] Date and Time: 10-17-15

TRANSPORTER

Company: JDC Trucking Inc Phone Number: 201 279 7979
Address: 75 WILSON ST NEWARK NJ Truck # and License Plate: 8 A5813M
Driver: D. GILGIRAN SW Haulers Permit #: NS 9414
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 10/13/15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 939430

GLOBAL JOB NUMBER: 157531

FACILITY APPROVAL NUMBER: 19357112

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS, GROSS WEIGHT, TARE WEIGHT, NET WEIGHT

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law...

Name, Title, Signature, Date and Time

TRANSPORTER

Company, Address, Driver, Phone Number, Truck # and License Plate, SW Haulers Permit #

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature, Date and Time

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature, Date and Time

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature, Date and Time

SITE



Manifest # 939429

GLOBAL JOB NUMBER: _____

FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other: _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE:	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
 Signature: _____ Date and Time: _____

TRANSPORTER

Company: ACB Trucking Phone Number: _____
 Address: Collinsville NJ Truck # and License Plate: #75 AP8805
 Driver: Richard Torres SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 10/13/15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: 10/13/15

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 939432

GLOBAL JOB NUMBER: 137(3)

FACILITY APPROVAL NUMBER: 1537115

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: 255... GROSS WEIGHT: Tons Yards, TARE WEIGHT: Tons Yards, NET WEIGHT: Tons Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION -- Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected. I hereby certify that the above named material does not contain free liquid... Name: Title: Signature: Date and Time:

TRANSPORTER Company: JDC Trucking, Phone Number: Truck # and License Plate: 7 A5710D, Driver: SW Haulers Permit #: 1139411, Driver Signature: Date and Time: 10/13/15 9:10 AM

DESTINATION I hereby certify that the above named material was delivered without incident to the facility noted above. Driver Signature: Date and Time: I hereby certify that the above named material has been accepted at the above referenced facility. Authorized Signature: Date and Time:

SITE



Small Time Team
London

Manifest # 939490

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 15307118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: 138th St LLC / 138th St Princeton, NJ	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE:	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Asphalt Road Soil - 5000 lbs - 10/13/15

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [Signature] Title: [Signature]
Signature: [Signature] Date and Time: 10/13/15

TRANSPORTER

Company: SW Hauling Inc Phone Number: 201 275 9999
Address: 75 W. 10th St, Newark, NJ Truck # and License Plate: 48 A5813M
Driver: C. W. 123 SW Haulers Permit #: NJ 944
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 10/13/15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # **939419**

GLOBAL JOB NUMBER: B7631

FACILITY APPROVAL NUMBER: 1530408

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>1000 ...</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: <u>...</u>	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

How ...

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: ... Title: ...
Signature: ... Date and Time: 10-12-13

TRANSPORTER

Company: ... Phone Number: ...
Address: ... Truck # and License Plate: ...
Driver: ... SW Haulers Permit #: ...
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: ... Date and Time: ...

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1134457

GLOBAL JOB NUMBER: 157601

FACILITY APPROVAL NUMBER: 15307110

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-8220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <i>Blom NJ</i>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

New York Urban fill

GENERATOR'S CERTIFICATION -- Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: *Superior* Title: _____
Signature: *[Signature]* Date and Time: *10-11-15*

TRANSPORTER

Company: *Mondor Trucking* Phone Number: _____
Address: *1110 Union St, Philadelphia* Truck # and License Plate: *150 2524*
Driver: *[Signature]* SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: *10-11-15*

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1105742

GLOBAL JOB NUMBER: 5703

FACILITY APPROVAL NUMBER: 15371118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>Robert 1300th</u> <u>Brook N.J.</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: <u>908-426-1111</u>	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION
non haz urban fill

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Catherine Smith Title: owner
 Signature: [Signature] Date and Time: 10-11-05

TRANSPORTER

Company: ACON 2029 Phone Number: _____
 Address: _____ Truck # and License Plate: AP25611
 Driver: [Signature] SW Haulers Permit #: _____
 (Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 10-11-05

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1135741

GLOBAL JOB NUMBER: P-7631

FACILITY APPROVAL NUMBER: 15307118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>15307118</u> <u>15307118</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION <u>15307118</u>	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [Signature] Title: _____
 Signature: [Signature] Date and Time: 11/11/15

TRANSPORTER

Company: M... Phone Number: _____
 Address: _____ Truck # and License Plate: _____
 Driver: _____ SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 11/11/15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: 11/11/15

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1135724

GLOBAL JOB NUMBER: _____

FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other: _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <i>138 Street</i>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION
near Home curtains 2-111

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
 Signature: *[Signature]* Date and Time: *11/11/15*

TRANSPORTER

Company: *Mendez Trucking* Phone Number: _____
 Address: *440 Union Ave Billerica MA* Truck # and License Plate: *#62 / AP265P*
 Driver: *David Lopez* SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: *[Signature]* Date and Time: *11/11/15 8:40 AM*

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



CLEAN EARTH

Manifest # 1135725

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 1507118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>355 East 122nd St</u> <u>Riverside NJ</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE:	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION
Asphalt Asphalt Asphalt

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [Signature] Title: Super
Signature: [Signature] Date and Time: 10/14/15

TRANSPORTER

Company: _____ Phone Number: _____
Address: _____ Truck # and License Plate: _____
Driver: _____ SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 10/14/15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: 10/14/15

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1135720

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 15307/118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Keamy, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>755 East 130 Street</u> <u>Bronx NY</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE:	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

NON HAZ WASTE FILL

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Citire Jones Title: Super
 Signature: [Signature] Date and Time: 10-11-15

TRANSPORTER

Company: Murphy Trucking Corp Phone Number: _____
 Address: 4900 W. 11th St Bldg 111 UT Truck # and License Plate: #83 AL337N MS
 Driver: Sara Adams SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 10-12-15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Signature: [Signature] Date and Time: 10-12-15

I hereby certify that the above named material has been accepted at the above referenced facility.

Signature: _____ Date and Time: _____

SITE



CLEAN EARTH

Manifest # **1135727**

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 15307110

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>355 East 138th St</u> <u>Bronx NY</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION <u>non haz urban fill</u>	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Letitia Jones Title: Super
 Signature: [Signature] Date and Time: 10-11-15

TRANSPORTER

Company: Waste Solutions Inc Phone Number: _____
 Address: _____ Truck # and License Plate: AP 23611
 Driver: [Signature] SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [Signature] Date and Time: _____

SITE



Manifest # 1135728

GLOBAL JOB NUMBER: 12-11-11

FACILITY APPROVAL NUMBER: 12-11-11

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>12345 Main St</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
<u>67890 Ave</u>	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

metal debris - urban fill

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [Signature] Title: [Signature]
Signature: [Signature] Date and Time: 11-11-11

TRANSPORTER

Company: [Signature] Phone Number: _____
Address: _____ Truck # and License Plate: A-12345
Driver: [Signature] SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



CLEAN EARTH

Manifest # **1135729**

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 15307118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>2555 138 Street</u> <u>Brooklyn Nj</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION <u>MAN Haz Section Fill</u>	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Letitia Grant Title: Super
 Signature: [Signature] Date and Time: 10-11-15

TRANSPORTER

Company: [Signature] Phone Number: _____
 Address: [Signature] Truck # and License Plate: 71 MD 9169
 Driver: _____ SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 10/11/15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: 10/11/15

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1135730

GLOBAL JOB NUMBER: 127131

FACILITY APPROVAL NUMBER: 15307118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>250 East 122 Street Brook NY</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION
Waste from custom fill

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Lorraine (one) Title: Super
Signature: [Signature] Date and Time: 10-11-15

TRANSPORTER

Company: Manatee Trucking Phone Number: _____
Address: 440 Wynn Ave Belleville, NJ Truck # and License Plate: 1A02/AA865P
Driver: David [Signature] SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 10/11/15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1135731

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 153071118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS, GROSS WEIGHT, TARE WEIGHT, NET WEIGHT, GENERATOR'S PHONE

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected. I hereby certify that the above named material does not contain free liquid...

TRANSPORTER: Company, Address, Driver, Phone Number, Truck # and License Plate, SW Haulers Permit #, Driver Signature, Date and Time

DESTINATION: I hereby certify that the above named material was delivered without incident to the facility noted above. Driver Signature, Date and Time, Authorized Signature, Date and Time

SITE



Manifest # 113573

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 1537118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>2551st 135th Street Bronx NY</u>		GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____		TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION: <u>New Home Urban Fill</u>		NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Leticia Grant Title: Super
 Signature: [Signature] Date and Time: 10-11-15

TRANSPORTER

Company: Middle Trucking Corp Phone Number: _____
 Address: 370 Union Ave Belton NJ Truck # and License Plate: # 93 AL337N NJ
 Driver: Jose Antonio Araya SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 10-12-15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature] Date and Time: 10-12-15

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 939433

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 15807115

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Generator's Name & Site Address, Gross Weight, Tare Weight, Generator's Phone, Net Weight

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law...

Name, Title, Signature, Date and Time

TRANSPORTER

Company: J GRANDA, Phone Number, Address, Truck # and License Plate: AS 647 U, Driver, SW Haulers Permit #

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature, Date and Time: 10/13/15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature, Date and Time

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature, Date and Time

SITE



Manifest # 939434

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 18307118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: 255 E 130 Street Brook, NY		GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE:		TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION: wood floor under fill		NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Catherine Spivey Title: Supervisor
 Signature: [Signature] Date and Time: 10-12-18

TRANSPORTER

Company: MRB
 Address: 255 E 130th St, Brook, NY
 Driver: [Signature]
 Phone Number: _____
 Truck # and License Plate: AP322V
 SW Haulers Permit #: _____ (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 10/12/18

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 939435

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 15307118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of North Jersey
115 Jacobus Avenue
Keamy, NJ 07032
Ph: 973-344-4004
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS 255 E 135th St Brook NY		GROSS WEIGHT <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE		TARE WEIGHT <input type="checkbox"/> Tons <input type="checkbox"/> Yards
DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION NON HAZ Urban FT		NET WEIGHT <input type="checkbox"/> Tons <input type="checkbox"/> Yards

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Letitia Jones Title: SUPER
 Signature: [Signature] Date and Time: 10-17-15

TRANSPORTER

Company: ACB Trucking Phone Number: _____
 Address: [Address] Truck # and License Plate: W800 #5
 Driver: [Name] SW Haulers Permit #: _____ (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____
 Authorized Signature: _____ Date and Time: _____

SITE

GLOBAL JOB NUMBER: **137631**

FACILITY APPROVAL NUMBER: **15307118**

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 81st Street
Philadelphia, PA 19153
Ph: 215-724-5620
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>139 Street</u> <u>Blount NJ</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION: <u>non-HAZ Urban E.II</u>	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: LeAnne Cannon Title: Super
 Signature: [Signature] Date and Time: 10-12-15

TRANSPORTER

Company: GUARDIAN Phone Number: _____
 Address: Newark NJ Truck # and License Plate: AP 694F #17
 Driver: Marcus Brown SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 10-12-15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE

GLOBAL JOB NUMBER: 137531

FACILITY APPROVAL NUMBER: 153071118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-589-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-1004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS <u>255C 135th Street</u> <u>Kearny NJ</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION <u>Non Haz Curton fill</u>	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Letitia Plummer Title: Supervisor
 Signature: [Signature] Date and Time: 10-12-15

TRANSPORTER

Company: UCCB Trucking Phone Number: _____
 Address: Baltimore MD Truck # and License Plate: #9 456789
 Driver: Edgar SW Haulers Permit #: R04980
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 10-12-15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 939438

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 150718

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-6909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Keamy, NJ 07032
Ph: 973-344-4064
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:
	<input type="checkbox"/> Tons <input type="checkbox"/> Yards
	TARE WEIGHT:
GENERATOR'S PHONE:	<input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT:
	<input type="checkbox"/> Tons <input type="checkbox"/> Yards
DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION	

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
 Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____
 Address: _____ Truck # and License Plate: _____
 Driver: _____ (Type or Print Clearly) SW Haulers Permit #: _____
 (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 939439

GLOBAL JOB NUMBER: 127631

FACILITY APPROVAL NUMBER: 1507112

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS 251 138 Street Bronx NY	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE:	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION NON HAZ urban fill	

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Letitia Counts Title: Super
Signature: [Signature] Date and Time: _____

TRANSPORTER

Company: MCB Transport Phone Number: _____
Address: Bethlehem PA Truck # and License Plate: 48009 AS
Driver: Barclay [Signature] SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 10/17/15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 939440

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 15307112

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS 255 E 138 Street Bronx, NY		GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE		TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION NON-HAZ WASTE		NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Letitia Title: Supervisor
 Signature: [Signature] Date and Time: _____

TRANSPORTER

Company: J. SPAYDA Phone Number: _____
 Address: NEW YORK Truck # and License Plate: AP694P #17
 Driver: [Signature] SW Haulers Permit #: _____ (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.
 Driver Signature: [Signature] Date and Time: 10-13-10

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.
 Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.
 Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 939441

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 15307118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-8220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-8833
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-426-1700
- Other: _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>250 E 138th Street</u> <u>Bronx NY</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

NOV HAZ West Avenue

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Letitia Conner Title: Super
 Signature: [Signature] Date and Time: 10-13-15

TRANSPORTER

Company: HCB TRUCKING Phone Number: _____
 Address: Belleville, NJ Truck # and License Plate: #79 HS 658P
 Driver: [Signature] SW Haulers Permit #: PC 4410
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 10-13-15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 15207112

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1489 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-8220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 573-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>138th St LLC</u> <u>355 East 138th St</u> <u>Blauvelt, NY 10009</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION <u>Non Haz urban fill</u>	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Lorraine Conrad Title: Super
 Signature: [Signature] Date and Time: 10-13-15

TRANSPORTER

Company: SDC Trucking Phone Number: _____
 Address: Kearny NJ Truck # and License Plate: F 15710D
 Driver: Daniel O. SW Haulers Permit #: 105977
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 10/13/15 **ACCEPTED OUT**

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 15307118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8908
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>135th St Bldg 135th St</u> <u>255 Parkside 135th St</u> <u>Philadelphia PA 19129</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: <u>215-724-0640</u>	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION: <u>ASPH ALT Under Floor</u>	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Letitia Gonzalez Title: Super
 Signature: [Signature] Date and Time: 10-13-15

TRANSPORTER

Company: JDC Trucking Inc Phone Number: 201-279-9195
 Address: 18 Winslow St Kearny NJ Truck # and License Plate: 6 AS-709 N
 Driver: Robin SW Haulers Permit #: N/A
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 10/13/15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 939426

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 15307118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8509
- Clean Earth of Maryland
1489 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-8693
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0989
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other: _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS 138th St LLC / 138th St 259 East 138th St Brooklyn NY 10029	GROSS WEIGHT <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE 718-996-6640	TARE WEIGHT <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION
Hazardous Waste

GENERATOR'S CERTIFICATION Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [Signature] Title: [Signature]
 Signature: [Signature] Date and Time: 10/13/15

TRANSPORTER

Company: DC Trucking Inc Phone Number: 201-274-9990
 Address: 75 Wards Ave, Kearny NJ Truck # and License Plate: AS-709 D
 Driver: Richie SW Haulers Permit #: 113-914
 (Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 10/13/15 - 8:00am

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 939427

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 1367110

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-8220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-598-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>137631</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION <u>137631</u>	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: John Smith Title: Supervisor
 Signature: [Signature] Date and Time: 10/2/00

TRANSPORTER

Company: SCARANO TRUCKING Phone Number: 412
 Address: _____ Truck # and License Plate: AS 5990
 Driver: John Smith SW Haulers Permit #: _____
 (Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 10/2/00

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 939428

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 153171118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 2 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes handwritten entries for generator name and weights.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected. I hereby certify that the above named material does not contain free liquid...

TRANSPORTER - Company: ACC Trucking, Address: Co. (New York, NY), Driver: Edgar

Driver Signature: [Signature], Date and Time: 10/12/15

DESTINATION - I hereby certify that the above named material was delivered without incident to the facility noted above.

Authorized Signature: [Signature], Date and Time: [Blank]

SITE

GLOBAL JOB NUMBER: 137531

FACILITY APPROVAL NUMBER: 153071118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-641-8909
- Clean Earth of Maryland
1489 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: 138th St LLC/138th St 255 East 138th St, Bronx, NY 10029	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: Joe Vitale 212-996-6648	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
 Signature: _____ Date and Time: _____

TRANSPORTER

Company: Vallant Contracting, LLC JSL Phone Number: 973-314-5668
 Address: 193 Howard Blvd, Ledgewood, NJ 07832 Truck # and License Plate: AEY30F
 Driver: Edric B SW Haulers Permit #: #10
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Edric B Date and Time: 10-15-15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE

GLOBAL JOB NUMBER: 137631 FACILITY APPROVAL NUMBER: 1530711B
Please Check One:

- | | | | |
|------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909 | <input type="checkbox"/> Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220 | <input type="checkbox"/> Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633 | <input type="checkbox"/> Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939 |
| <input type="checkbox"/> Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520 | <input type="checkbox"/> Clean Earth of North Jersey
115 Jacobus Avenue
Keamy, NJ 07032
Ph: 973-344-4004 | <input type="checkbox"/> Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morkville, PA 19067
Ph: 215-428-1700 | <input type="checkbox"/> Other _____ |

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>139th ST 110/139th ST</u> <u>755 EAST 139th ST Bldg NY</u> <u>10014</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: <u>Joe Vitale 212 996 6640</u>	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION: <u>UNKNOWN - R.C.</u> <u>110/139th ST</u>	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

GENERATOR'S CERTIFICATION Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

 Name: Julian G. Vitale Title: Superior
 Signature: [Signature] Date and Time: 10/15/15
TRANSPORTER

 Company: HKS #1 Phone Number: 973 234 5678
 Address: 113 OAK WOOD W/1060 Truck # and License Plate: AR 973 W
 Driver: Julian G. Vitale SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

 Driver Signature: [Signature] Date and Time: 10/15/15
DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1245075

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 15307118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8900
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Merion, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: 137631	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: 10710020	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

1162110 FCL
WOM HAZ

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [Signature] Title: [Signature]
Signature: [Signature] Date and Time: 10/15/15

TRANSPORTER

Company: [Signature] Phone Number: _____
Address: [Signature] Truck # and License Plate: AD4762 #15
Driver: [Signature] SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature] Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1245074

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 15307118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-641-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-8633
- Clean Earth of Greater Washington
6250 Dewar House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-6520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other: _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS <u>255 West 138th Street</u>	GROSS WEIGHT <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE <u>NY 10029</u>	TARE WEIGHT <input type="checkbox"/> Tons <input type="checkbox"/> Yards
DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION <u>UNKNOWN</u>	NET WEIGHT <input type="checkbox"/> Tons <input type="checkbox"/> Yards

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Jeffrey Constant Title: Super

Signature: [Signature] Date and Time: 10/15/15

TRANSPORTER

Company: Valiant/ISC Phone Number: _____

Address: Dover Truck # and License Plate: ASIN62

Driver: Justin Gorman SW Haulers Permit #: ISC 7-18
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 10/15/15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature] Date and Time: 10/15/15

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1245073

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 153071118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6260 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 81st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>151 Dover Rd</u>	GROSS WEIGHT <input type="checkbox"/> Tons <input type="checkbox"/> Yards
<u>151 Dover Rd</u>	TARE WEIGHT <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	NET WEIGHT <input type="checkbox"/> Tons <input type="checkbox"/> Yards
DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION <u>Asphalt</u>	

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [Signature] Title: [Signature]
 Signature: [Signature] Date and Time: [Signature]

TRANSPORTER

Company: 151 Dover Rd Phone Number: _____
 Address: 151 Dover Rd Truck # and License Plate: DE 193 E 13
 Driver: [Signature] SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE

GLOBAL JOB NUMBER: 130031 FACILITY APPROVAL NUMBER: 15307118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-590-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5620
- Clean Earth of North Jersey
115 Jacobus Avenue
Keamy, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>1337th St LLC/138th St</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
<u>255 Cedar 135th St, Union, NY 10884</u>	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: <u>908-210-9966</u>	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

WROKEN FUEL
MOBILE UNIT

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Anthony G. Costa Title: General Manager
Signature: [Signature] Date and Time: 10/13/15

TRANSPORTER

Company: H & W Hauling LLC Phone Number: 908-724-5668
Address: _____ Truck # and License Plate: DE 8096 BU
Driver: Heaven [Signature] SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 10/15/15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1247185

GLOBAL JOB NUMBER: 127531

FACILITY APPROVAL NUMBER: 153071118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 18067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS 138th St LLC/138th St	GROSS WEIGHT <input type="checkbox"/> Tons <input type="checkbox"/> Yards
255 East 138th St, Bronx, NY 10029	TARE WEIGHT <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: Joe Vitale 212-998-4440	NET WEIGHT <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Handwritten: NS HAZ

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: *[Signature]* Title: *Super*
Signature: *[Signature]* Date and Time: *10/15/15*

TRANSPORTER

Company: **Valiant Contracting, LLC** Phone Number: **973-234-5558**
Address: **123 Howard Blvd, Ledgewood, NJ 07052** Truck # and License Plate: **AR 765C**
Driver: **6500** SW Haulers Permit #: _____
(Type or Print Clearly) (Applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: *[Signature]* Date and Time: *10/15/15*

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1118670

GLOBAL JOB NUMBER: 137031

FACILITY APPROVAL NUMBER: 15307-1118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 81st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>255 South 10th St Philadelphia PA</u>	GROSS WEIGHT:	
	<input type="checkbox"/> Tons <input type="checkbox"/> Yards	
GENERATOR'S PHONE: <u>215-563-1111</u>	TARE WEIGHT:	
	<input type="checkbox"/> Tons <input type="checkbox"/> Yards	
DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION: <u>Non-Hazardous Material</u>	NET WEIGHT:	
	<input type="checkbox"/> Tons <input type="checkbox"/> Yards	

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Robert Jones Title: Manager
 Signature: [Signature] Date and Time: 10/15/15

TRANSPORTER

Company: D.T. Transport Phone Number: _____
 Address: 1000 N. 1st St Truck # and License Plate: # 19 AS 5113
 Driver: John Doe SW Haulers Permit #: _____
 (Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 936762

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 1537118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dover House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>Boce 132 Street Kearny NJ</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Asphalt Hauls Arthur Field

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Walter Monal Title: Super
Signature: [Signature] Date and Time: 10-15-12

TRANSPORTER

Company: DL Phone Number: _____
Address: 1000 Suber St Truck # and License Plate: #17 45129M
Driver: Marcos SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature] Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 15307111

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other: _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS <u>137631</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE <u>215-724-5520</u>	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION <u>HAZARDOUS</u>	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

GENERATOR'S CERTIFICATION Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Anthony Lomice Title: Super
Signature: [Signature] Date and Time: 10/14/15

TRANSPORTER

Company: DI 709 Phone Number: _____
Address: NEWARK Truck # and License Plate: AR 3719
Driver: [Signature] SW Haulers Permit #: _____ (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature] Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



CLEAN EARTH

Manifest # 1118671

GLOBAL JOB NUMBER: 13763

FACILITY APPROVAL NUMBER: 153071118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 81st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>ASS CASTE 138 TR</u> <u>BRONX NY</u>		GROSS WEIGHT:
GENERATOR'S PHONE: _____		<input type="checkbox"/> Tons <input type="checkbox"/> Yards
DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION: <u>WASTE FOR</u> <u>RECYCLING</u>		TARE WEIGHT:
		<input type="checkbox"/> Tons <input type="checkbox"/> Yards
		NET WEIGHT:
		<input type="checkbox"/> Tons <input type="checkbox"/> Yards

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: LETITIA WING Title: SUPERVISOR

Signature: [Signature] Date and Time: 12/17/12

TRANSPORTER

Company: D.E. TRUCKING Phone Number: _____

Address: NEWARK Truck # and License Plate: # 19 AS 8115

Driver: LUCIANO GONZALEZ SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 15307111

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 81st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS <u>255 138TH ST</u> <u>BROOKLYN, NY</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION <u>FLOW NA - Carbon Fill</u>	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Leifur Bjornsson Title: _____
 Signature: [Signature] Date and Time: 10/16/15

TRANSPORTER

Company: DI TRUCKING # 15 Phone Number: _____
 Address: NEWARK - NJ Truck # and License Plate: AS P1PK
 Driver: ETR NELSON SW Haulers Permit #: _____

(Type or Print Clearly) _____ (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.
 Driver Signature: [Signature] Date and Time: 10/16/15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.
 Driver Signature: _____ Date and Time: 10/16/15

I hereby certify that the above named material has been accepted at the above referenced facility.
 Authorized Signature: _____ Date and Time: _____

SITE

GLOBAL JOB NUMBER: _____

FACILITY APPROVAL NUMBER: _____

Please Check One:

- | | | | |
|------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909 | <input type="checkbox"/> Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-8220 | <input type="checkbox"/> Clean Earth of New Castle
84 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633 | <input type="checkbox"/> Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-699-0938 |
| <input type="checkbox"/> Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520 | <input type="checkbox"/> Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004 | <input type="checkbox"/> Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700 | <input type="checkbox"/> Other _____ |

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS <u>138th St. Bronx NY</u>	GROSS WEIGHT <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE _____	TARE WEIGHT <input type="checkbox"/> Tons <input type="checkbox"/> Yards
DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION <u>1000 Hair Urban Hill</u>	NET WEIGHT <input type="checkbox"/> Tons <input type="checkbox"/> Yards

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [Signature] Title: Supervisor
 Signature: [Signature] Date and Time: 10/14/15

TRANSPORTER

Company: DI Trucking LLC Phone Number: _____
 Address: _____ Truck # and License Plate: # 18 AS159M
 Driver: Washington Amayo SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 10/14/15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature] Date and Time: 10/14/15

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



CLEAN EARTH

Manifest # 936763

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 15307118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>ISSF 158 Street</u> <u>Brooklyn NY</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE:	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION
NOX FINE W/Down Hill

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 261 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 260.10 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: L. J. ... Title: Super
 Signature: [Signature] Date and Time: 10-14-05

TRANSPORTER

Company: NI Phone Number: _____
 Address: 11500 St ... Truck # and License Plate: #17 A1214
 Driver: [Signature] SW Haulers Permit #: _____
 (Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.
Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.
Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.
Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1119857

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 153071118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 2 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes handwritten entries for address and weights.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Handwritten description: ASPHALT MILLS Urban Fill

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law...

Name: Lettrey, Carl Title: SMOKE
Signature: [Handwritten] Date and Time: 10/14/15

TRANSPORTER

Company: [Handwritten] Phone Number: [Handwritten]
Address: [Handwritten] Truck # and License Plate: [Handwritten]
Driver: [Handwritten] SW Haulers Permit #: [Handwritten]

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Handwritten] Date and Time: 10-14-15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Handwritten] Date and Time: 10-14-15

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [Handwritten] Date and Time: [Handwritten]

SITE



Manifest # 1118672

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 153071118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GROSS WEIGHT: TARE WEIGHT: NET WEIGHT: (with handwritten entries)

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Asph HAZ ... (handwritten description)

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law...

Name: [Signature] Title: Super Date and Time: 10-14-15

TRANSPORTER

Company: [Signature] Phone Number: Truck # and License Plate: SW Haulers Permit #: (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time:

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature] Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [Signature] Date and Time:

SITE

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 19071118

Please Check One:

- | | | | |
|------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909 | <input type="checkbox"/> Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220 | <input type="checkbox"/> Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633 | <input type="checkbox"/> Clean Earth of Greater Washington
8250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-598-0939 |
| <input type="checkbox"/> Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520 | <input type="checkbox"/> Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004 | <input type="checkbox"/> Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700 | <input type="checkbox"/> Other _____ |

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>1588 BIRKBECK AVE</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE:	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

NOV 1996

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Letitia Jones Title: Supervisor
Signature: [Signature] Date and Time: 12/14/15

TRANSPORTER

Company: DI TRUCKING Phone Number: _____
Address: _____ Truck # and License Plate: AP159M 478
Driver: Richardson SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 12/14/15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature] Date and Time: 12/14/15

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____



Manifest # 124504

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 15302118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0930
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS 855 EAST 138TH ST BRONX, NY		GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE		TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION NON-HAZARDOUS Urban Soil		NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
Signature: _____ Date and Time: 10-16-15

TRANSPORTER

Company: DI-TRUCKING LLC Phone Number: 800-535-1035
Address: 110 JABEZ ST NEWARK Truck # and License Plate: # 23 AS 121 T
Driver: BENNY BOWARD SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



CLEAN EARTH

Manifest # 936734

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 153071118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>255 E 138th St</u> <u>Brooklyn, NY</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE:	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION <u>Asphalt</u>	

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
 Signature: _____ Date and Time: 10/14/15

TRANSPORTER

Company: DA TRUCKING # 15 Phone Number: _____
 Address: NEWARK, NJ Truck # and License Plate: 125 P38R
 Driver: ERENILSON SW Haulers Permit #: _____
 (Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 10/14/15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: 10/14/15

SITE



Manifest # 1245288

GLOBAL JOB NUMBER: 137431

FACILITY APPROVAL NUMBER: 137431

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-8220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6833
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-699-0888
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road, East
Morrisville, PA 19067
Ph: 215-428-1700
- Other: _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>755 Spout 13875</u>		GROSS WEIGHT:
<u>Stacey</u>		<input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: <u>856-411-1000</u>		TARE WEIGHT:
<u>NOY HTR</u>		<input type="checkbox"/> Tons <input type="checkbox"/> Yards
DESCRIPTION OF MATERIAL SAMPLE ID AND LOCATION: <u>NOY HTR</u>		NET WEIGHT:
		<input type="checkbox"/> Tons <input type="checkbox"/> Yards

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [Signature] Title: Supervisor
 Signature: [Signature] Date and Time: 2/18/03

TRANSPORTER

Company: _____ Phone Number: _____
 Address: _____ Truck # and License Plate: AK 3711
 Driver: _____ SW Haulers Permit #: _____
 (Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature] Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____



Manifest # 1131639

GLOBAL JOB NUMBER: 187631 FACILITY APPROVAL NUMBER: 1520711.8

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>255-4133-31 LLC</u> <u>BRICK, NJ</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION
MIN 442 urban fill

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Cedric Jones Title: Super
Signature: [Signature] Date and Time: 10-11-15

TRANSPORTER

Company: CV Phone Number: _____
Address: 255-4133-31 Truck # and License Plate: #22-154426
Driver: [Signature] SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 10-11-15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: 10-11-15

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 936764

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 153071115

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-4700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS <u>755 E 138 Street Brown NJ</u>	GROSS WEIGHT <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE	TARE WEIGHT <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Haz. Subst. in Fill

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Leticia Title: SAER
Signature: [Signature] Date and Time: 10-14-15

TRANSPORTER

Company: BT Phone Number: _____
Address: 10000 St. Louis Ave Truck # and License Plate: 417 AS12904
Driver: [Signature] SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature] Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1119856

GLOBAL JOB NUMBER: 137631 FACILITY APPROVAL NUMBER: 15307118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: 299 E 135th St
GROSS WEIGHT: Tons Yards
TARE WEIGHT: Tons Yards
GENERATOR'S PHONE:
NET WEIGHT: Tons Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION
NON HAZ WASTE FILL

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.
I hereby certify that the above named material does not contain free liquid...
Name: Lethia Corp Title: 10-14-15
Signature: [Signature] Date and Time: Super

TRANSPORTER
Company: [Signature] Phone Number:
Address: [Signature] Truck # and License Plate: 406-AP 584 V
Driver: [Signature] SW Haulers Permit #:
I hereby certify that the above named material was picked up at the site listed above.
Driver Signature: [Signature] Date and Time: 10-14-15

DESTINATION
I hereby certify that the above named material was delivered without incident to the facility noted above.
Driver Signature: [Signature] Date and Time: 10-14-15
I hereby certify that the above named material has been accepted at the above referenced facility.
Authorized Signature: Date and Time:

SITE



Manifest # 1243666

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 103-2118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1489 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Keamy, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>155 E 133th St. Broken WV</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE:	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Asphalt - Hazard - Leaking Fill

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Letya Gons Title: Super
Signature: [Signature] Date and Time: 10-14-15

TRANSPORTER

Company: DT Trucking, Inc Phone Number: _____
Address: _____ Truck # and License Plate: # 18 AS157M
Driver: William Adams SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 10/14/15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature] Date and Time: 10/14/15

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 936733

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 153071118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS 1385 ST	GROSS WEIGHT	
	<input type="checkbox"/> Tons <input type="checkbox"/> Yards	
	TARE WEIGHT	
	<input type="checkbox"/> Tons <input type="checkbox"/> Yards	
GENERATOR'S PHONE	NET WEIGHT	
	<input type="checkbox"/> Tons <input type="checkbox"/> Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION
not used

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
Signature: _____ Date and Time: 10/14/15

TRANSPORTER

Company: _____ Phone Number: _____
Address: _____ Truck # and License Plate: AC 7719
Driver: _____ SW Hauler's Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____
I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 936878

GLOBAL JOB NUMBER: 137631 FACILITY APPROVAL NUMBER: 103071118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 81st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>255 E 139th St 2400W NY</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Asphalt

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
Signature: _____ Date and Time: 10/17/15

TRANSPORTER

Company: DL TRUCKING # 15 Phone Number: _____
Address: NEWARK NJ Truck # and License Plate: 17-828L # 15
Driver: ERENILOW SW Haulers Permit #: _____ (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 10/17/15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1247186

GLOBAL JOB NUMBER: 137631 FACILITY APPROVAL NUMBER: 153071116

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 2 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes handwritten address: 130th St LLC/130th St, 755 East 130th St, Bronx, NY 10029.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Handwritten description: ASPHALT

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law...

Name: [Signature], Title: SUPERVISOR, Date and Time: 10/19/15

TRANSPORTER

Company: Valiant Contracting, LLC, Phone Number: 971-234-5668, Address: 131 Howard Blvd, Ledgerwood, NJ 07833, Truck # and License Plate: [Handwritten]

Driver: [Signature], SW Haulers Permit #: [Handwritten]

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature], Date and Time: 10/19/15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature], Date and Time: [Handwritten]

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [Signature], Date and Time: [Handwritten]

SITE



CLEAN EARTH

Manifest # 123398

GLOBAL JOB NUMBER: 197631/155030055

FACILITY APPROVAL NUMBER: PPN12100915-0352

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
8250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other: PPark N LLC
100 Planten Ave
Prospect Park NJ 07508

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>255 East 138th Street</u> <u>255 East 138th</u> <u>Bronx NY 10451</u>	GROSS WEIGHT <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: <u>347-498-4914</u>	TARE WEIGHT <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION
Non Regulated Material, Non DOT, Non RCRA, NJ SRS Residential Clean Soil
Approved Grids: CIRCLE ANY THAT APPLY. WC-11 (10-15) WC-16 (15-20)

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.
 I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Richard G. ... Title: ...
 Signature: Richard G. ... Date and Time: 4-15-19 9:00 AM

TRANSPORTER

Company: SW Haulers Inc Phone Number: ...
 Address: ... Truck # and License Plate: ...
 Driver: ... SW Haulers Permit #: ...
 (Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: ... Date and Time: ...

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Authorized Signature: ... Date and Time: ...

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: ... Date and Time: ...

SITE



Manifest # **957645**

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 15-071118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6260 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE:	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [Signature] Title: SW
 Signature: [Signature] Date and Time: 1-15-16 8:40 AM

TRANSPORTER

Company: [Signature] Phone Number: [Signature]
 Address: [Signature] Truck # and License Plate: [Signature]
 Driver: [Signature] SW Haulers Permit #: _____ (applicable state permit #)
 (Type or Print Clearly)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 1-15-16

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE

GLOBAL JOB NUMBER: **137431**

FACILITY APPROVAL NUMBER: **153071118**

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-598-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS 138th St LLC/138th St 255 Hunt 138th St, Bronx, NY 10029	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: Joe Vitale 718-395-6440	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION WPCM #11	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
Signature: _____ Date and Time: 12/15/12

TRANSPORTER

Company: Valiant Contracting, LLC Phone Number: 973-234-5658
Address: 123 Howard Blvd, Ledgewood, NJ 07052 Truck # and License Plate: 38C #10
Driver: Juan Garcia SW Haulers Permit #: MSB1402
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 12/15/12

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: 12/15/12

Thereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE

GLOBAL JOB NUMBER: 137531

FACILITY APPROVAL NUMBER: 153071118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5620
- Clean Earth of North Jersey
115 Jacobus Avenue
Keamy, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS 130th St LLC/130th St 255 East 130th St, Bronx, NY 10029	GROSS WEIGHT <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE Joe Vitale 212-892-8648	TARE WEIGHT <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Yards
DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION _____ _____ _____	NET WEIGHT <input type="checkbox"/> Tons <input type="checkbox"/> Yards

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
 Signature: _____ Date and Time: _____

TRANSPORTER

Company: **Valley Green Contracting, Inc. #1/KS #1** Phone Number: **973-344-5668**
 Address: **131 Toward Blvd, Ledgewood, NJ 07034** Truck # and License Plate: **AR 973 H**
 Driver: _____ SW Haulers Permit #: _____
 (Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE

GLOBAL JOB NUMBER: _____

FACILITY APPROVAL NUMBER: 153

Please Check One:

Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

Clean Earth of New Castle
84 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-590-0939

Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:
235 W 130th Street
27014 NY 10027

GENERATOR'S PHONE: _____

GROSS WEIGHT
 Tons Yards

TARE WEIGHT
 Tons Yards

NET WEIGHT
 Tons Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION
Asphalt
Non-Haz

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.
I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Leanne Smith Title: Site Manager
Signature: [Signature] Date and Time: 10/15/17

TRANSPORTER

Company: _____ Phone Number: _____
Address: _____ Truck # and License Plate: _____
Driver: _____ SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.
Date and Time: 10/15/17

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.
Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.
Date and Time: _____

SITE



CLEAN EARTH

Manifest # 939442

GLOBAL JOB NUMBER: 13763

FACILITY APPROVAL NUMBER: 15307118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-8220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 18067
Ph: 215-428-1700
- Other: _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>255 East 138th St</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: <u>679-14-10079</u>	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION <u>MEAN FILL</u>	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: John W. [Signature] Title: Superintendent
 Signature: [Signature] Date and Time: 11/19/14

TRANSPORTER

Company: JSL Trucking Phone Number: 973 440 4018
 Address: Branch NJ Truck # and License Plate: A13930F
 Driver: Edgar Morales SW Haulers Permit #: #10
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Edgar Morales Date and Time: 11/19/14

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE

GLOBAL JOB NUMBER: 137531

FACILITY APPROVAL NUMBER: 153071118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
844 Jules Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0839
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Keamy, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other: _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>138th St LLC/138th St</u> <u>255 East 138th St. Bronx, NY 10029</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: <u>718-291-6610</u>	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION <u>Asphalt</u>	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

GENERATOR'S CERTIFICATION Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
 Signature: _____ Date and Time: _____

TRANSPORTER

Company: Valiant Contracting, LLC Phone Number: 973-224-5458
 Address: 343 Howard Blvd. Ledgewood, NJ 07852
 Driver: Richard [unclear] Truck # and License Plate: A-8092 [unclear]
 SW Haulers Permit #: _____ (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 10/15/15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 15309111

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-641-8909
- Clean Earth of Maryland
1489 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-8633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-589-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Keamy, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS <u>DSE - 13874 St. Brown, NJ</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.
I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____	Title: _____
Signature: <u>[Signature]</u>	Date and Time: <u>[Date/Time]</u>
TRANSPORTER	
Company: <u>D. TRUMP INC</u>	Phone Number: <u>862 588 1035</u>
Address: <u>NEWARK</u>	Truck # and License Plate: <u>15121T</u>
Driver: <u>[Signature]</u>	SW Haulers Permit #: _____

I hereby certify that the above named material was picked up at the site listed above. (applicable state permit #)

Driver Signature: [Signature] Date and Time: _____

DESTINATION
I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature] Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE

9

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 153071118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Keamy, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

<p>GENERATOR'S NAME & SITE ADDRESS <u>138th St LLC/138th St</u> <u>255 East 138th St, Bronx, NY 10022</u></p> <p>GENERATOR'S PHONE <u>Joe Vitale 312-592-6648</u></p>	<p>GROSS WEIGHT <input type="checkbox"/> Tons <input type="checkbox"/> Yards</p> <p>TARE WEIGHT <input type="checkbox"/> Tons <input type="checkbox"/> Yards</p> <p>NET WEIGHT <input type="checkbox"/> Tons <input type="checkbox"/> Yards</p>
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Asphalt Full

GENERATOR'S CERTIFICATION

Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [Signature] Title: Super
 Signature: [Signature] Date and Time: 10-16-15

TRANSPORTER

Company: Valiant Contracting, Inc. Phone Number: 973-344-5448
 Address: 133 Howard Blvd, Lodi, NJ 07052 Truck # and License Plate: AR 465C
 Driver: _____ SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.
 Driver Signature: [Signature] Date and Time: 10/16/15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.
 Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.
 Authorized Signature: _____ Date and Time: _____

SITE



GLOBAL JOB NUMBER: 137531

FACILITY APPROVAL NUMBER: 153071114

Please Check One:

- Clean Earth of Carteret
22 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:

110th St IBC/110th St
255 East 110th St, Bronx, NY 10428

GROSS WEIGHT:

Tons Yards

TARE WEIGHT:

Tons Yards

NET WEIGHT:

Tons Yards

GENERATOR'S PHONE: 718 341 3110

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION
NOV HAZ Urban Fill

GENERATOR'S CERTIFICATION

Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected. I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Christina Condit
Signature: [Signature]

Title: General
Date and Time: 10-16-15

TRANSPORTER

Company: Valiant Contracting, LLC
Address: 123 Howard Blvd, Lindenwood, NJ 07036
Driver: 1950N [Signature]
(Type or Print Clearly)

Phone Number: 973 334 8863
Truck # and License Plate: JSL # 18
SW Haulers Permit #: AS1402
(applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.
Date and Time: 10/16/15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.
Date and Time: 10/16/15
I hereby certify that the above named material has been accepted at the above referenced facility.
Date and Time: _____

SITE

(B)

GLOBAL JOB NUMBER: **137431**

FACILITY APPROVAL NUMBER: **152071119**

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8809
- Clean Earth of Maryland
1489 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6638
- Clean Earth of Greater Washington
8250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0839
- Clean Earth of Philadelphia
3201 S. 81st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other: _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS 134th St LLC/134th St 255 East 134th St, Bronx, NY 10429		GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE Joe Vitale 412-591-3448		TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION NON-HAZURIOUS FILL		NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.
I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Joe Vitale Title: _____
Signature: [Signature] Date and Time: 10-16-78

TRANSPORTER
Company: Valiant Contracting, Inc. JSL Phone Number: _____
Address: 113 Howard St, Ledgewood, NJ 07452 Truck # and License Plate: 973-234-5668
Driver: [Signature] SW Haulers Permit #: A5476 R 415
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.
Driver Signature: [Signature] Date and Time: _____

DESTINATION
I hereby certify that the above named material was delivered without incident to the facility noted above.
Driver Signature: _____ Date and Time: _____
I hereby certify that the above named material has been accepted at the above referenced facility.
Authorized Signature: _____ Date and Time: _____

SITE

GLOBAL JOB NUMBER: 11743

FACILITY APPROVAL NUMBER: 153071118

Please Check One:

- Clean Earth of Cateret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6833
- Clean Earth of Greater Washington
16250 Dwyer House Road
Upper Marlboro, MD 20772
Ph: 301-598-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS <u>130th St. LOC/130th St</u>	GROSS WEIGHT <input type="checkbox"/> Tons <input type="checkbox"/> Yards
<u>255 West 130th St. Bronx, NY 10429</u>	TARE WEIGHT <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE <u>Joe Vitale 718-552-6340</u>	NET WEIGHT <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL SAMPLE ID AND LOCATION

Non-Haz. Soil Full

GENERATOR'S CERTIFICATION

Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Anthony Condit Title: Super
 Signature: [Signature] Date and Time: 10-16-15

TRANSPORTER

Company: Valiant Contracting, LLC Phone Number: 973-344-9568
 Address: 131 Edward Blvd. Laguardia, NJ 07052 Truck # and License Plate: AR930F
 Driver: Edgar S SW Haulers Permit #: #10

(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

4

GLOBAL JOB NUMBER: 137531

FACILITY APPROVAL NUMBER: 193071118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
4469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-0633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Merion, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3204 S. 81st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other: _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>130th St LLC/130th St</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
<u>255 East 130th St, Bronx, NY 10429</u>	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: <u>Joe Vitale 212-890-6410</u>	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION
Non Hazardous Urban RW

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.
I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Catherine [Signature] Title: Supervisor
Signature: [Signature] Date and Time: 10-16-15

TRANSPORTER
Company: Valisec Contracting, LLC Phone Number: 973-514-5668
Address: 191 Howard Blvd, Lodi, NJ 07052 Truck # and License Plate: AS1007 M17
Driver: _____ SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.
Driver Signature: _____ Date and Time: _____

DESTINATION
I hereby certify that the above named material was delivered without incident to the facility noted above.
Driver Signature: _____ Date and Time: _____
I hereby certify that the above named material has been accepted at the above referenced facility.
Authorized Signoff: _____ Date and Time: _____

SITE



Manifest # 1247208

GLOBAL JOB NUMBER: 137431

FACILITY APPROVAL NUMBER: 14307111H

Please Check One:

- Clean Earth of Garteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight, Generator's Phone

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non HAZ Urban fill

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law...

Name: Lettice Coast, Title: Super, Signature: Lettice Coast, Date and Time: 10-16-15

TRANSPORTER

Company: Miller Contracting, Inc., Phone Number: 973-234-5668, Address: 123 Howard Blvd, Ledgewood, NJ 07033, Truck # and License Plate: AR 765C

Driver Signature: [Signature], Date and Time: 10/16/15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature], Date and Time: [Blank]

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [Signature], Date and Time: [Blank]

SITE



CLEAN EARTH

Manifest # 1247201

GLOBAL JOB NUMBER: 111131 FACILITY APPROVAL NUMBER: 15103118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 81st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other: _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>13411 SE 100TH ST</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
<u>255 East 134th St. Aurora, NY 10009</u>	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: <u>716-255-1111</u>	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

NON HAZ WASTE

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Lotyrie, Chris Title: _____
 Signature: [Signature] Date and Time: 10/16/15

TRANSPORTER

Company: SW Haulers, Inc Phone Number: _____
 Address: 156 # 18 13 Truck # and License Plate: 761701
 Driver: [Signature] SW Haulers Permit #: 156 # 18 13
 (Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.
 Driver Signature: [Signature] Date and Time: 10/16/15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.
 Driver Signature: _____ Date and Time: 10/16/15
 I hereby certify that the above named material has been accepted at the above referenced facility.
 Authorized Signature: _____ Date and Time: _____

SITE

GLOBAL JOB NUMBER: 137533

FACILITY APPROVAL NUMBER: 153073310

Please Check One:

- | | | | |
|--------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909 | <input checked="" type="checkbox"/> Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-8220 | <input type="checkbox"/> Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633 | <input type="checkbox"/> Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939 |
| <input checked="" type="checkbox"/> Clean Earth of Philadelphia
3201 S. 81st Street
Philadelphia, PA 19153
Ph: 215-724-5520 | <input type="checkbox"/> Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004 | <input checked="" type="checkbox"/> Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700 | <input type="checkbox"/> Other _____ |

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>130th St LLC/130th St</u> <u>255 East 130th St, Bronx, NY 10470</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: <u>JOE VITALE 212-690-5548</u>	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

non-haz urban fill

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [Signature] Title: Super
 Signature: [Signature] Date and Time: 10/16/15

TRANSPORTER

Company: Valley Contracting, LLC Phone Number: 973-234-5568
 Address: 173 Howard Blvd, Ledgewood, NJ 07033 Truck # and License Plate: AS4176P #15
 Driver: [Signature] (Type or Print Clearly) SW Haulers Permit #: _____ (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.
 Authorized Signature: _____ Date and Time: _____

SITE

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 153071118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS 138 Street Bronx, NY	GROSS WEIGHT <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE	TARE WEIGHT <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL SAMPLE ID AND LOCATION
Non-Haz. Urban Fill

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Anthony... Title: Supervisor
 Signature: [Signature] Date and Time: 10/27/15

TRANSPORTER

Company: Mandel Trucking # 62 Phone Number: _____
 Address: 490 Union Blvd, NJ Truck # and License Plate: AP 825 P
 Driver: W. Omar Parra SW Haulers Permit #: W. Parra # 02
 (Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: W. Omar Parra Date and Time: 10/27/15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: W. Omar Parra Date and Time: 10/27/15

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

GLOBAL JOB NUMBER: 137631

 FACILITY APPROVAL NUMBER: 15307118
Please Check One:

- | | | | |
|------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909 | <input type="checkbox"/> Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220 | <input type="checkbox"/> Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633 | <input type="checkbox"/> Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939 |
| <input type="checkbox"/> Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520 | <input type="checkbox"/> Clean Earth of North Jersey
115 Jacobus Avenue
Keamy, NJ 07032
Ph: 973-344-4004 | <input type="checkbox"/> Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700 | <input type="checkbox"/> Other: _____ |

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS <u>13851 Street</u> <u>Birmingham NJ</u>	GROSS WEIGHT
	<input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	TARE WEIGHT
	<input type="checkbox"/> Tons <input type="checkbox"/> Yards
DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION <u>Non-HAZ Urban Part</u>	NET WEIGHT
	<input type="checkbox"/> Tons <input type="checkbox"/> Yards

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Letticy Con Title: Supervisor
 Signature: [Signature] Date and Time: 12-22-15

TRANSPORTER

Company: Heard Phone Number: _____
 Address: 490 W. Main St Truck # and License Plate: 41-12345
 Driver: Darius Quinn SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Darius Quinn Date and Time: 12-22-15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Darius Quinn Date and Time: 12-22-15

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



CLEAN EARTH

Manifest # 1245297

15

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 15307118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-8663
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3204 S. 61st Street
Philadelphia, PA 19163
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: 755 East 130th St Brooklyn, NY	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE:	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Area 14A2 - Lehigh Hill

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Jeffrey Com Title: Super
Signature: [Signature] Date and Time: 10-22-15

TRANSPORTER

Company: Meams 94 Phone Number: _____
Address: _____ Truck # and License Plate: MD-328G
Driver: [Signature] SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 10/22/2015

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature] Date and Time: 10/22/2015

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1245299

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 15307118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: 2556 138 Street, Bound Brook, NJ. GROSS WEIGHT: Tons, Yards. TARE WEIGHT: Tons, Yards. NET WEIGHT: Tons, Yards.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION: Non-HAZ urban fill

GENERATOR'S CERTIFICATION - I hereby certify that the above named material does not contain free liquid... Name: Lettice Corn, Title: Supervisor, Date and Time: 10-22-15

TRANSPORTER: Company: M... Phone Number: ... Truck # and License Plate: ... Driver Signature: ... Date and Time: ...

DESTINATION: I hereby certify that the above named material was delivered without incident to the facility noted above. Driver Signature: ... Date and Time: ...

SITE



Manifest # 805541

GLOBAL JOB NUMBER: 127631

FACILITY APPROVAL NUMBER: 19307118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Other, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS, GROSS WEIGHT, TARE WEIGHT, NET WEIGHT

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected. I hereby certify that the above named material does not contain free liquid...

TRANSPORTER: Company, Address, Driver, Phone Number, Truck # and License Plate, SW Haulers Permit #

DESTINATION: I hereby certify that the above named material was delivered without incident to the facility noted above.

SITE

GLOBAL JOB NUMBER: 13731

FACILITY APPROVAL NUMBER: 152074118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-641-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Merion, MD 20772
Ph: 301-539-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS <u>250 East 132 Street</u> <u>Roman NJ</u>	GROSS WEIGHT <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE _____	TARE WEIGHT <input type="checkbox"/> Tons <input type="checkbox"/> Yards
DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION <u>non-hazardous debris fill</u>	NET WEIGHT <input type="checkbox"/> Tons <input type="checkbox"/> Yards

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [Signature] Title: Owner
 Signature: [Signature] Date and Time: 10-20-10

TRANSPORTER

Company: Wendell Phone Number: _____
 Address: 1300 1st St Truck # and License Plate: 9864
 Driver: [Signature] SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 10/20/10

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature] Date and Time: 10/20/10

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE

★ (4)

GLOBAL JOB NUMBER: 137131

FACILITY APPROVAL NUMBER: 1277118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-8633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>2500 130th St</u> <u>River NJ</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION <u>Non-Haz</u>	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [Signature] Title: 12-15
 Signature: [Signature] Date and Time: 12/22/15

TRANSPORTER

Company: [Signature] Phone Number: _____
 Address: [Signature] Truck # and License Plate: 3 AP 25X
 Driver: [Signature] SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 12/22/15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

7

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 8111E351

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8808
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS <i>M. J. ...</i>	GROSS WEIGHT <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE	TARE WEIGHT <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

NO. HAT ...

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: *Steve ...* Title: *Super*
 Signature: *[Signature]* Date and Time: *10-27-15*

TRANSPORTER

Company: *J. B. ...* Phone Number: *722*
 Address: _____ Truck # and License Plate: *AS 647 U*
 Driver: *[Signature]* SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above

Driver Signature: *[Signature]* Date and Time: *10/23/15*

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility

Authorized Signature: _____ Date and Time: _____

SITE

GLOBAL JOB NUMBER: 1376.31

FACILITY APPROVAL NUMBER: 153071118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1489 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-589-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Keatny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>255 1st St. 138th St LLC</u> <u>138th St. Jersey City, NJ 07310</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: <u>201-996-6640</u>	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION: <u>WASTE FUEL</u> <u>NON HAZ</u>	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: John P. Regan Sr. Title: Super
 Signature: [Signature] Date and Time: 11/4/2015 7:40

TRANSPORTER

Company: JDC Trucking Inc. Phone Number: 201-279-9990
 Address: 75 Woodson St. Newark, NJ Truck # and License Plate: 36 AS-709 D
 Driver: Rubio SW Haulers Permit #: NJ-794
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 11/4/15 8:20

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____



Manifest # 1118628

GLOBAL JOB NUMBER: 137631 FACILITY APPROVAL NUMBER: 15307118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: 255E 138 Street, Beacon NY. GROSS WEIGHT: Tons Yards. TARE WEIGHT: Tons Yards. NET WEIGHT: Tons Yards.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non HAZ urban fill

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Lethia, Son Title: [Signature] Signature: [Signature] Date and Time: 12-22-15

TRANSPORTER

Company: [Signature] Phone Number: [Signature] Address: [Signature] Truck # and License Plate: #10 NJ55UM Driver: [Signature] SW Haulers Permit #: [Signature]

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 1/28/15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature] Date and Time: [Signature]

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [Signature] Date and Time: [Signature]

SITE



Manifest # 1118631

GLOBAL JOB NUMBER: 137631 FACILITY APPROVAL NUMBER: 153071118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: 255E 138 Street, Bronx, NY. GROSS WEIGHT: Tons/Yards. TARE WEIGHT: Tons/Yards. NET WEIGHT: Tons/Yards.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Haz urban fill

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Letitia Jones, Title: Supv, Signature: [Signature], Date and Time: 10-22-15

TRANSPORTER

Company: M FRED, Phone Number: [Number], Address: 140 Wilson Ave Belle, Truck # and License Plate: 7D-APP-96, Driver: [Name], SW Haulers Permit #: [Number]

I hereby certify that the above named material was picked up at the site listed above:

Driver Signature: [Signature], Date and Time: [Date/Time]

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature], Date and Time: [Date/Time]

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [Signature], Date and Time: [Date/Time]

SITE

GLOBAL JOB NUMBER: 137631 FACILITY APPROVAL NUMBER: 153071118

Please Check One:

- | | | | |
|------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909 | <input type="checkbox"/> Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220 | <input type="checkbox"/> Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633 | <input type="checkbox"/> Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939 |
| <input type="checkbox"/> Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520 | <input type="checkbox"/> Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004 | <input type="checkbox"/> Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700 | <input type="checkbox"/> Other _____ |

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>755E 128 Street</u> <u>Brown NJ</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non Haz Urban Fill

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Larry Con Title: Super
Signature: [Signature] Date and Time: 10-22-15

TRANSPORTER

Company: Waste Phone Number: _____
Address: 4700 Wagon Wheel Drive Truck # and License Plate: 2E02113
Driver: [Signature] SW Haulers Permit #: 26
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 10/22/15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

GLOBAL JOB NUMBER: 37631 FACILITY APPROVAL NUMBER: 15207118
Please Check One:

- | | | | |
|--------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-544-8909 | <input type="checkbox"/> Clean Earth of Maryland
1489 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220 | <input type="checkbox"/> Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633 | <input type="checkbox"/> Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939 |
| <input checked="" type="checkbox"/> Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520 | <input type="checkbox"/> Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004 | <input type="checkbox"/> Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700 | <input type="checkbox"/> Other _____ |

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>138 Street</u> <u>Princeton NJ</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION
Non-Haz urban fill
GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

 Name: Letha [unclear] Title: Super
 Signature: [unclear] Date and Time: 10-22-15
TRANSPORTER

 Company: [unclear] # 85 Phone Number: _____
 Address: [unclear] NJ Truck # and License Plate: AN 86911 # 85
 Driver: [unclear] SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

 Driver Signature: [unclear] Date and Time: 10-22-15
DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

 Driver Signature: _____ Date and Time: 10-22-15

I hereby certify that the above named material has been accepted at the above referenced facility.

 Authorized Signature: _____ Date and Time: 10-22-15
SITE

GLOBAL JOB NUMBER: 137631 FACILITY APPROVAL NUMBER: 153071118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-8220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-8633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>2558 135 Schrank</u> <u>Business Park</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION
Non-hazardous carbon fill

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Anthony Jones Title: Supervisor
 Signature: [Signature] Date and Time: 10-22-15

TRANSPORTER

Company: SW Haulers Phone Number: _____
 Address: 1000 Highway 100, Ballantyne Truck # and License Plate: AP-2151 JJ 12
 Driver: [Signature] SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

GLOBAL JOB NUMBER: 157131

FACILITY APPROVAL NUMBER: 1587113

Please Check One:

- | | | | |
|------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909 | <input type="checkbox"/> Clean Earth of Maryland
1459 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220 | <input type="checkbox"/> Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633 | <input type="checkbox"/> Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939 |
| <input type="checkbox"/> Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520 | <input type="checkbox"/> Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004 | <input type="checkbox"/> Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700 | <input type="checkbox"/> Other _____ |

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>255 East R.R. Street Riverside, NJ</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non HAZ Urban Fill

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: L. Lopez Title: Super
Signature: [Signature] Date and Time: 10-27-15

TRANSPORTER

Company: MENDEZ TRUCKING Phone Number: _____
Address: _____ Truck # and License Plate: AL337 NJ
Driver: Nelson SW Haulers Permit #: # 83
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 10-27-15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 153071118

Please Check One:

- | | | | |
|------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909 | <input type="checkbox"/> Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220 | <input type="checkbox"/> Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633 | <input type="checkbox"/> Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939 |
| <input type="checkbox"/> Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520 | <input type="checkbox"/> Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004 | <input type="checkbox"/> Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700 | <input type="checkbox"/> Other _____ |

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>256 135 Street</u> <u>Piscataway NJ</u>	GROSS WEIGHT:
	<input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	TARE WEIGHT:
	<input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT:
	<input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non Haz Urban Fill

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Lethro Ford Title: Supervisor
Signature: [Signature] Date and Time: 10-27-15

TRANSPORTER

Company: MICHAEL Phone Number: _____
Address: ECUMME Truck # and License Plate: 33 AP-201X
Driver: JOHN SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE

GLOBAL JOB NUMBER: 15307118

 FACILITY APPROVAL NUMBER: 15307118
Please Check One:

- | | | | |
|---------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909 | <input type="checkbox"/> Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220 | <input type="checkbox"/> Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633 | <input type="checkbox"/> Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939 |
| <input type="checkbox"/> Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520 | <input type="checkbox"/> Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004 | <input type="checkbox"/> Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700 | <input type="checkbox"/> Other _____ |

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>255 W. 9th St. NY</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
<u>bucket NY</u>	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION
NON HAZARDOUS WASTE FILL
GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

 Name: Supervisor Title: _____
 Signature: _____ Date and Time: 10/22/2018
TRANSPORTER

 Company: MIDWEST 914 Phone Number: _____
 Address: _____ Truck # and License Plate: NY 828 G
 Driver: _____ SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

 Driver Signature: _____ Date and Time: 10/22/2018
DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

 Driver Signature: _____ Date and Time: 10/22/2018

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1245303

GLOBAL JOB NUMBER: 157031

FACILITY APPROVAL NUMBER: 150171118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>3506 130th Street</u> <u>Brooklyn NY</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

1000 4.12 1000 4.11

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
Signature: _____ Date and Time: _____

TRANSPORTER

Company: AP 29 Phone Number: _____
Address: _____ Truck # and License Plate: AP 2364H
Driver: Arlio SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 10-12-11

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____



Manifest # 1048012

GLOBAL JOB NUMBER: B7031

FACILITY APPROVAL NUMBER: 18-07118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-8220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Mortsville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:
	<input type="checkbox"/> Tons <input type="checkbox"/> Yards
	TARE WEIGHT:
	<input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE:	NET WEIGHT:
	<input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____
Address: _____ Truck # and License Plate: _____
Driver: _____ SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____



Manifest # 1245301

GLOBAL JOB NUMBER: 13731

FACILITY APPROVAL NUMBER: 1520-2118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>13731</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
<u>13731</u>	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

13731

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____
Address: _____ Truck # and License Plate: _____
Driver: _____ SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____



Manifest # 1245295

GLOBAL JOB NUMBER: 137631 FACILITY APPROVAL NUMBER: 15307118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>Removal</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

AKA Hazardous Waste

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [Signature] Title: _____
 Signature: [Signature] Date and Time: 10/22/15

TRANSPORTER

Company: Keefe 201 Phone Number: _____
 Address: 1490 Linden Ave Truck # and License Plate: #1 - 111903C
 Driver: DSCOR SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 10/22/15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature] Date and Time: 10/22/15

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____



Manifest # 1118629

GLOBAL JOB NUMBER: 137531 FACILITY APPROVAL NUMBER: 15207115

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Form with fields for GENERATOR'S NAME & SITE ADDRESS, GROSS WEIGHT, TARE WEIGHT, GENERATOR'S PHONE, and NET WEIGHT.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

NON-HAZ Urban Fill

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [Signature] Title: [Signature] Signature: [Signature] Date and Time: 10-23-15

TRANSPORTER

Company: JDC Phone Number: [Blank] Address: RST Hauling Corp Truck # and License Plate: AS 719L Driver: Rich SW Haulers Permit #: 088

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 10/23/15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Blank] Date and Time: [Blank]

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [Blank] Date and Time: [Blank]



Manifest # 1242381

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 15307113

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 2 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes handwritten entries for generator name and weight units.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Handwritten description: new HAc carbon fill

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Jeffrey Con, Title: Supv, Signature: [Handwritten], Date and Time: 10-22-15

TRANSPORTER

Company: J. CRANBA TRAILER, Phone Number: [Handwritten], Address: [Handwritten], Truck # and License Plate: A5601U, Driver: [Handwritten], SW Haulers Permit #: [Handwritten]

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Handwritten], Date and Time: 10/22/15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Handwritten], Date and Time: [Handwritten]

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [Handwritten], Date and Time: [Handwritten]



Manifest # 1242399

GLOBAL JOB NUMBER: 13781

FACILITY APPROVAL NUMBER: 507932

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 rows and 2 columns: GENERATOR'S NAME & SITE ADDRESS, GROSS WEIGHT, TARE WEIGHT, GENERATOR'S PHONE, NET WEIGHT.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name, Title, Signature, Date and Time fields.

TRANSPORTER

Company, Address, Driver, Phone Number, Truck # and License Plate, SW Haulers Permit #.

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature, Date and Time fields.

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature, Date and Time fields.

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature, Date and Time fields.



Manifest # 1243364

GLOBAL JOB NUMBER: 137-31

FACILITY APPROVAL NUMBER: 153071119

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 2 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes handwritten entries for generator name and weight options.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Handwritten description of material: 1000 lbs of ...

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [Signature] Title: [Signature] Signature: [Signature] Date and Time: 10/22/75

TRANSPORTER

Company: N.C.P. Phone Number: Address: BELLEVILLE NJ Truck # and License Plate: A5 171C Driver: DAVID SW Haulers Permit #: MCR 117

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 10/22/75

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature] Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time:



Manifest # 1245373

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-8633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>455 1st St</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

1/15/07 455 1st St

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____
Address: _____ Truck # and License Plate: _____
Driver: _____ SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 955955

GLOBAL JOB NUMBER: 137631 FACILITY APPROVAL NUMBER: 15307118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: 2556 129 Street, Beacon NY. GROSS WEIGHT, TARE WEIGHT, NET WEIGHT sections.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION: Non Haz urban fill

GENERATOR'S CERTIFICATION - I hereby certify that the above named material does not contain free liquid... Name: Leticia, Title: Supv, Date and Time: 10-23-15

TRANSPORTER - Company: RTT, Phone Number, Truck # and License Plate: M2099 RTT, SW Haulers Permit #

I hereby certify that the above named material was picked up at the site listed above. Driver Signature, Date and Time: 10-23-15

DESTINATION - I hereby certify that the above named material was delivered without incident to the facility noted above. Driver Signature, Date and Time: 10-23-15. I hereby certify that the above named material has been accepted at the above referenced facility. Authorized Signature, Date and Time



177/131
15707113

Manifest # 955954

GLOBAL JOB NUMBER: 177/131

FACILITY APPROVAL NUMBER: 15707113

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: 255F 135-1-1 Bronx NY	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE:	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 261 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261.10 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [Signature] Title: [Signature]
Signature: [Signature] Date and Time: 11-27-15

TRANSPORTER

Company: [Signature] Phone Number: _____
Address: [Signature] Truck # and License Plate: [Signature]
Driver: [Signature] SW Haulers Permit #: [Signature] (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 11-27-15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature] Date and Time: 11-27-15

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____



Manifest # 1242398

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 152071112

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-8220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-8833
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>137631 LLC</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
<u>255 137631 St</u>	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
<u>255 NY</u>	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Asphalt

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: attorney Title: Super
Signature: [Signature] Date and Time: 10-23-15

TRANSPORTER

Company: TRC Trucking Phone Number: 201-271-9111
Address: 76 Madison St Kearny NJ Truck # and License Plate: 49 NJ200V
Driver: C. Potts SW Haulers Permit #: NY 14
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 10/23/15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature] Date and Time: 10/23/15

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____



1

Manifest # 1241019

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 1307118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Keamy, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: B x 111	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE:	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

NON-HAZ DEBRIS FILL

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: LOREY KLOPFA Title: SUPV
 Signature: [Signature] Date and Time: 10/16/15 7:48 AM

TRANSPORTER

Company: _____ Phone Number: _____
 Address: _____ Truck # and License Plate: PA A2774
 Driver: _____ SW Haulers Permit #: _____
 (Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 10/16/15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1241009

21

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 15307119

Please Check One:

Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: 139th Street

GROSS WEIGHT:

Tons Yards

TARE WEIGHT:

Tons Yards

GENERATOR'S PHONE: 100229

NET WEIGHT:

Tons Yards

DESCRIPTION OF MATERIAL SAMPLE ID AND LOCATION

UNKNOWN FILL
ADJ. HIGH

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: John M. ...

Title: Superior

Signature: [Signature]

Date and Time: 10/26/13

TRANSPORTER

Company: CV

Phone Number: _____

Address: 100 Calicut ... NJ

Truck # and License Plate: 754-AS404B

Driver: JULIA ...

SW Haulers Permit #: _____

(applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature]

Date and Time: 10-26-13

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____

Date and Time: 10-26-13

Authorized Signature: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Date and Time: _____

SITE



Manifest # 1131641

GLOBAL JOB NUMBER: 137031 FACILITY APPROVAL NUMBER: 15307118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 2 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes handwritten entries for weight and address.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Handwritten description of material and location.

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [Signature] Title: [Signature] Signature: [Signature] Date and Time: 10/30/15

TRANSPORTER

Company: [Signature] Phone Number: [Signature] Address: [Signature] Truck # and License Plate: [Signature] Driver: [Signature] SW Haulers Permit #: [Signature]

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 10/30/15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature] Date and Time: 10/30/15

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [Signature] Date and Time: [Signature]

SITE



Manifest # 939582

GLOBAL JOB NUMBER: 137631 FACILITY APPROVAL NUMBER: 15307118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>137631</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE:	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION
non-haz soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
Signature: _____ Date and Time: _____

TRANSPORTER

Company: JDB TRUCKING INC Phone Number: 201 279 9999
Address: 75 WINDSOR ST KEARNY NJ Truck # and License Plate: # 8 A551341
Driver: C. GENORA SW Haulers Permit #: NT 9441
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 10/26/15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____



Manifest # 1241018

GLOBAL JOB NUMBER: B1(3)

FACILITY APPROVAL NUMBER: 11229118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Form with fields: GENERATOR'S NAME & SITE ADDRESS, GROSS WEIGHT, TARE WEIGHT, NET WEIGHT. Includes handwritten 'Box Y 10079'.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Handwritten description: 412440 FILL, 1001 HAZ

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Jeffery Coyle, Title: SUPER, Signature: Jeffery Coyle, Date and Time: 10/26/15

TRANSPORTER

Company: SW Haulers, Address: 1234 Main St, Driver: Tom, Phone Number: 731, Truck # and License Plate: AL 211A, SW Haulers Permit #: 731

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Tom, Date and Time: 10/26/15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____



CLEAN EARTH

Manifest # 1241010

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 15307118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-598-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>755 EAST 138th St</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
<u>Bloom NY 10029</u>	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

UNIDENTIFIED
NDM HAZ

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Jeffrey Combs Title: Supervisor
Signature: [Signature] Date and Time: 10/26/15

TRANSPORTER

Company: CV Phone Number: _____
Address: 188 Colton Ave Truck # and License Plate: # 54-A541R
Driver: Julia Combs SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 10-26-15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: 10-26-15

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1245211

GLOBAL JOB NUMBER: 132081

FACILITY APPROVAL NUMBER: 132081

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pylas Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-426-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>132081</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
<u>1002</u>	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

200 lb. of material

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Michael... Title: Supervisor
Signature: [Signature] Date and Time: 10/20/10

TRANSPORTER

Company: SW Haulers Phone Number: _____
Address: 132081 Truck # and License Plate: 132081
Driver: [Signature] SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 10/20/10

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____



CLEAN EARTH

Manifest # 1245134

GLOBAL JOB NUMBER: 139631 FACILITY APPROVAL NUMBER: 15307/118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>255 W 132nd St, Bayonne NJ</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
Signature: _____ Date and Time: _____

TRANSPORTER

Company: DT TRUCKING LLC Phone Number: 260-382-0325
Address: 110-0657 SE NEWARK NJ Truck # and License Plate: # 23 AS 1215
Driver: LEONARD BONDARO SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 10/27/15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: 10/27/15

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1245055

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 15307118

Please Check One:

- Clean Earth of Carteret, Maryland, New Castle, Greater Washington, Philadelphia, North Jersey, Southeast Pennsylvania, and Other.

Non-Hazardous Material Manifest

(Type or Print Clearly)

Form with fields for GENERATOR'S NAME & SITE ADDRESS, GROSS WEIGHT, TARE WEIGHT, GENERATOR'S PHONE, and NET WEIGHT.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Handwritten description of material: ASPHALT PAVEMENT

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law...

Name: [Signature] Title: [Signature] Signature: [Signature] Date and Time: 10/27/15

TRANSPORTER

Company: DJ TRUCKING Phone Number: 863 588 1035 Address: 110 3RD ST NEWARK Truck # and License Plate: #14 - NEW JERSEY Driver: CLAUDIO LOPEZ SW Haulers Permit #: (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 10/27/15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature] Date and Time: 10/27/15

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [Signature] Date and Time: [Signature]



Manifest # 1242739

GLOBAL JOB NUMBER: 137631 FACILITY APPROVAL NUMBER: 15307118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6833
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0938
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>33 RST 130 Unit</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
<u>CAW NY 10029</u>	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION
METAL PILE
HAZ

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.
I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: John J. ... Title: Owner
Signature: [Signature] Date and Time: 11/27/15

TRANSPORTER
Company: D.I. Trucking Phone Number: _____
Address: 10 Jaber Newark Truck # and License Plate: AS119T 21
Driver: John J. ... SW Haulers Permit #: _____ (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.
Driver Signature: [Signature] Date and Time: 10-27-15

DESTINATION
I hereby certify that the above named material was delivered without incident to the facility noted above.
Driver Signature: _____ Date and Time: _____
I hereby certify that the above named material has been accepted at the above referenced facility.
Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1119861

GLOBAL JOB NUMBER: 3713 FACILITY APPROVAL NUMBER: 15...

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS, GROSS WEIGHT, TARE WEIGHT, NET WEIGHT, GENERATOR'S PHONE

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Handwritten descriptions of material and location

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected. I hereby certify that the above named material does not contain free liquid...

TRANSPORTER - Company, Address, Driver, Phone Number, Truck # and License Plate, SW Haulers Permit #

I hereby certify that the above named material was picked up at the site listed above. Driver Signature, Date and Time

DESTINATION - I hereby certify that the above named material was delivered without incident to the facility noted above. Driver Signature, Date and Time. I hereby certify that the above named material has been accepted at the above referenced facility. Authorized Signature, Date and Time



Manifest # 1137196

GLOBAL JOB NUMBER: 137631 FACILITY APPROVAL NUMBER: 153071118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Generator's Name & Site Address: 205 E. 138th St, Newark NJ. Gross Weight, Tare Weight, Net Weight sections.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Handwritten description of material and location.

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law...

Name, Signature, Title, Date and Time fields.

TRANSPORTER

Company, Address, Driver, Phone Number, Truck # and License Plate, SW Haulers Permit #.

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature, Date and Time fields.

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature, Date and Time fields.

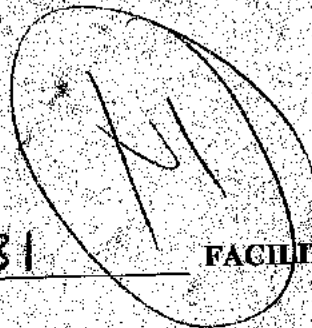
I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature, Date and Time fields.

SITE



Manifest # 1137199



GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 15307118

Please Check One:

Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6833

Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>295 E. 138th St Brook NJ</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE:	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

WASTE FILL

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [Signature] Title: Super 2 yds
Signature: [Signature] Date and Time: 10/27/15

TRANSPORTER

Company: RST Hauling Phone Number: [Blank]
Address: Butterburg NJ Truck # and License Plate: AP249P 077
Driver: Paul Cheng SW Haulers Permit #: [Blank]
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Paul Cheng Date and Time: 10/27/15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Blank] Date and Time: [Blank]

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [Blank] Date and Time: [Blank]

SITE



Manifest # 1119860

GLOBAL JOB NUMBER: 137431

FACILITY APPROVAL NUMBER: 15377412

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: 275 E 35th St
GROSS WEIGHT: Tons/Yards
TARE WEIGHT: Tons/Yards
GENERATOR'S PHONE:
NET WEIGHT: Tons/Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Handwritten descriptions of materials and locations.

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Signature: Title: Date and Time:

TRANSPORTER

Company: Address: Driver: Phone Number: Truck # and License Plate: SW Haulers Permit #:

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time:

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time:



Manifest # 1245056

GLOBAL JOB NUMBER: 137631 FACILITY APPROVAL NUMBER: 153071118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 2 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes handwritten entries for generator name and weight options.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Handwritten description of material and location.

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name, Title, Signature, Date and Time fields with handwritten entries.

TRANSPORTER

Company, Address, Driver, Phone Number, Truck # and License Plate, SW Haulers Permit # fields with handwritten entries.

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature, Date and Time fields with handwritten entries.

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature, Date and Time fields with handwritten entries.

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature, Date and Time fields with handwritten entries.

SITE



Manifest # 1137191

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 153071118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Keamy, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>225 E. 136th St</u> <u>Bronx NY</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

100' LHZ

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [Signature] Title: [Signature]
 Signature: [Signature] Date and Time: 10/27/15

TRANSPORTER

Company: RST Phone Number: _____
 Address: [Signature] Truck # and License Plate: AJ719L 028
 Driver: [Signature] SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 10/27/15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1137190

GLOBAL JOB NUMBER: 137631 FACILITY APPROVAL NUMBER: 153071118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GJE 138/451
GROSS WEIGHT: Tons Yards
TARE WEIGHT: Tons Yards
GENERATOR'S PHONE:
NET WEIGHT: Tons Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION
#7/11/11 400
1107 HWZ

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.
I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.
Name: Title:
Signature: Date and Time:

TRANSPORTER
Company: RST Hauling Corp
Address:
Driver:
Phone Number:
Truck # and License Plate: AP249P 077
SW Haulers Permit #:
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.
Driver Signature: Date and Time: 10-2-15

DESTINATION
I hereby certify that the above named material was delivered without incident to the facility noted above.
Driver Signature: Date and Time: 10-27-15
I hereby certify that the above named material has been accepted at the above referenced facility.
Authorized Signature: Date and Time:



CLEAN EARTH

Manifest # 1242735

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 153071118

Please Check One:

Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

Clean Earth of Philadelphia
3201 S. 81st Street
Philadelphia, PA 19153
Ph: 215-724-5520

Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:

GROSS WEIGHT:

Tons Yards

TARE WEIGHT:

Tons Yards

GENERATOR'S PHONE:

NET WEIGHT:

Tons Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____

Date and Time: _____

Signature: _____

Date and Time: _____

TRANSPORTER

Company: DI Transport LLC

Phone Number: _____

Address: Dover, MD

Truck # and License Plate: 10-ART1511

Driver: Miguel F. Garcia

SW Haulers Permit #: _____

(applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Miguel F. Garcia

Date and Time: 10/27/15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Miguel F. Garcia

Date and Time: 10/27/15

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____

Date and Time: _____

SITE



Manifest # 1242736

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 15307118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 2 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes checkboxes for Tons and Yards.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Title: Signature: Date and Time:

TRANSPORTER

Company: Address: Driver: Phone Number: Truck # and License Plate: SW Haulers Permit #:

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time:

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time:



Manifest # 1245180

GLOBAL JOB NUMBER: 187631

FACILITY APPROVAL NUMBER: 15301118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Form with fields for GENERATOR'S NAME & SITE ADDRESS, GROSS WEIGHT, TARE WEIGHT, NET WEIGHT, and GENERATOR'S PHONE.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Handwritten description of material and location.

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected. I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Title: Signature: Date and Time:

TRANSPORTER

Company: DI-TRUCKING, Inc. Phone Number: Address: 10 30th St Union Truck # and License Plate: 23 951017 Driver: (Type or Print Clearly) SW Haulers Permit #: (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time:

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time:



Manifest # 22740

GLOBAL JOB NUMBER: 157221

FACILITY APPROVAL NUMBER: 15722115

Please Check One:

Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

Clean Earth of Maryland
1489 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6833

Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 2 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes handwritten entries for generator name and weight.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION
Handwritten description: 11/25/14 + 1/1/15

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.
I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.
Name: [Signature] Title: [Signature]
Signature: [Signature] Date and Time: [Signature]

TRANSPORTER
Company: [Signature] Phone Number: [Signature]
Address: [Signature] Truck # and License Plate: [Signature]
Driver: [Signature] SW Haulers Permit #: [Signature]
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.
Driver Signature: [Signature] Date and Time: [Signature]

DESTINATION
I hereby certify that the above named material was delivered without incident to the facility noted above.
Driver Signature: [Signature] Date and Time: [Signature]
I hereby certify that the above named material has been accepted at the above referenced facility.
Authorized Signature: [Signature] Date and Time: [Signature]



Manifest # 1118765

GLOBAL JOB NUMBER: 1271231 FACILITY APPROVAL NUMBER: 15091118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1489 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>285 E 21st St</u> <u>Bloom, NY 10009</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Asphalt
1001 1st St

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Michael... Title: ...
 Signature: ... Date and Time: 10/27/05

TRANSPORTER

Company: CS Phone Number: _____
 Address: 1001 1st St Truck # and License Plate: DA AB 301C
 Driver: ... SW Haulers Permit #: _____
 (Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: ... Date and Time: 10/27/05

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: 10/27/05

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: 10/27/05



Manifest # 1243735

GLOBAL JOB NUMBER: 137031 FACILITY APPROVAL NUMBER: 133011115

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS, GROSS WEIGHT, TARE WEIGHT, GENERATOR'S PHONE, NET WEIGHT

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law...

Name, Title, Signature, Date and Time

TRANSPORTER

Company, Address, Driver, Phone Number, Truck # and License Plate, SW Haulers Permit #

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature, Date and Time

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature, Date and Time

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature, Date and Time



CLEAN EARTH

Manifest # 1110700

FACILITY APPROVAL NUMBER: 153/2015

GLOBAL JOB NUMBER: 127631

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-6620
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: 255 East 150th Street
Bryn Mawr, PA

GENERATOR'S PHONE: _____

GROSS WEIGHT: Tons Yards

TARE WEIGHT: Tons Yards

NET WEIGHT: Tons Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

HAZARDOUS MATERIAL

HAZ

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____

Signature: _____ Date and Time: 10/29/15

TRANSPORTER

Company: _____ Phone Number: _____

Address: _____ Truck # and License Plate: 310 227 766

City/State: _____ SW Haulers Permit #: _____ (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Signature: _____ Date and Time: 10/29/15

I hereby certify that the above named material was delivered without incident to the facility noted above.

Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Signature: _____ Date and Time: _____

SITE

GLOBAL JOB NUMBER: _____

FACILITY APPROVAL NUMBER: _____

Please Check One:

- | | | | |
|------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8809 | <input type="checkbox"/> Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220 | <input type="checkbox"/> Clean Earth of New Castle
84 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633 | <input type="checkbox"/> Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939 |
| <input type="checkbox"/> Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520 | <input type="checkbox"/> Clean Earth of North Jersey
115 Jacobus Avenue
Keamy, NJ 07032
Ph: 973-344-4004 | <input type="checkbox"/> Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700 | <input type="checkbox"/> Other: _____ |

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: 253 E. 11th St.	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION: _____	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: John J. LaRosa Title: Owner
 Signature: _____ Date and Time: 11/24/15

TRANSPORTER

Company: _____ Phone Number: _____
 Address: _____ Truck # and License Plate: AP 444 Z
 Driver: _____ SW Haulers Permit #: 3
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE

GLOBAL JOB NUMBER: 137931

FACILITY APPROVAL NUMBER: 153021118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0989
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other: _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME: <u>255 East 138th Street</u>	GROSS WEIGHT:
GENERATOR'S SITE ADDRESS: <u>Box NY 10029</u>	<input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	TARE WEIGHT:
	<input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT:
	<input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL SAMPLE ID AND LOCATION

WELLS FLO
NRA HAZ

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: GETTILE CONST. Title: _____
Signature: [Signature] Date and Time: Super 2046S

TRANSPORTER
Company: D.I. Trucking Phone Number: 10/29/15
Address: 1100 Lakeside New York Truck # and License Plate: AS1191T 21 WS
Driver: Jorge Gonzalez SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

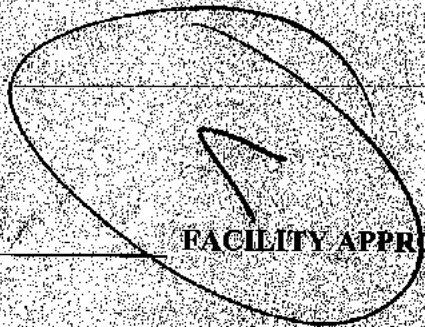
I hereby certify that the above named material was picked up at the site listed above.
Driver Signature: [Signature] Date and Time: 10/29/15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.
Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.
Authorized Signature: _____ Date and Time: _____

SITE



GLOBAL JOB NUMBER: 137

FACILITY APPROVAL NUMBER: 15307115

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0838
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-426-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS GENERATOR'S PHONE:	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
-----------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

DESCRIPTION OF MATERIAL, SAMPLE ID AND LOCATION
 WASTE FROM CARPET
 10/20/15

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.
 I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: John H. Miller Title: SWC
 Signature: [Signature] Date and Time: 10/29/15

TRANSPORTER

Company: WT #1 Phone Number: _____
 Address: Newark Truck # and License Plate: _____
 Driver: Carlos SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 10/29/15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1081355

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 153071118

Please Check One:

- Clean Earth of Carteret, Maryland, New Castle, Greater Washington, Philadelphia, North Jersey, Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight, Generator's Phone

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Handwritten description: URGENT PART, NOT HAZ

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law...

Name, Signature, Title, Date and Time

TRANSPORTER

Company, Address, Driver, Phone Number, Truck # and License Plate, SW Haulers Permit #

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature, Date and Time

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature, Date and Time

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature, Date and Time

SITE



Manifest # 1245067

GLOBAL JOB NUMBER: 133 631 FACILITY APPROVAL NUMBER: 15301108

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 2 columns: GENERATOR'S NAME & SITE ADDRESS, GROSS WEIGHT, TARE WEIGHT, NET WEIGHT. Includes handwritten entries for generator name and weights.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION
WEDON FILL
NON HAZ

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.
I hereby certify that the above named material does not contain free liquid...
Name: [Signature] Title: [Signature]
Signature: [Signature] Date and Time: 11/29/15

TRANSPORTER
Company: [Signature] Phone Number: [Signature]
Address: [Signature] Truck # and License Plate: [Signature]
Driver: [Signature] SW Haulers Permit #: [Signature]

Thereby certify that the above named material was picked up at the site listed above.
Driver Signature: [Signature] Date and Time: 11/29/15

DESTINATION
I hereby certify that the above named material was delivered without incident to the facility noted above.
Driver Signature: [Signature] Date and Time: 11/29/15
I hereby certify that the above named material has been accepted at the above referenced facility.
Authorized Signature: [Signature] Date and Time: [Signature]

SITE



Manifest # 734255

GLOBAL JOB NUMBER: 137631 FACILITY APPROVAL NUMBER: 15307118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1489 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Other
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>150th Street</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
<u>Brook NY 10029</u>	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE:	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

WASTE FILL
150th Street

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: LETITIA COSTA Title: Manager
Signature: [Signature] Date and Time: 10/29/15

TRANSPORTER

Company: MID HAWKEN Phone Number: 916878 27928
Address: LINDEN NEW JERSEY Truck # and License Plate: 04-A5848F
Driver: PENA SW Haulers Permit #: 1629552-372
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: PENA Date and Time: 10-29-2015

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: PENA Date and Time: 10-29-2015

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE

4

GLOBAL JOB NUMBER:

137633

FACILITY APPROVAL NUMBER:

153071118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-8220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6689
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: 2500 SE 11th Street 2500 SE 11th Street Miami, FL GENERATOR'S PHONE:	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
-------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Asphalt Millings

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
 Signature: _____ Date and Time: _____

TRANSPORTER

Company: SW Haulers LLC Phone Number: _____
 Address: 702 Ramsey Ave. Hillside, NJ 07205 Truck # and License Plate: 19001 238-0597 A-29420
 Driver: _____ SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 15307118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1489 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5620
- Clean Earth of North Jersey
115 Jacobus Avenue
Keamy, NJ 07032
Ph: 973-544-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS <u>355 50th 148th Street</u>	GROSS WEIGHT <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE <u>51844 110029</u>	TARE WEIGHT <input type="checkbox"/> Tons <input type="checkbox"/> Yards
DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION <u>11001</u>	NET WEIGHT <input type="checkbox"/> Tons <input type="checkbox"/> Yards

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.
 I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Myrtle K. Smith Title: owner
 Signature: [Signature] Date and Time: 10/29/15

TRANSPORTER

Company: DT Transport LLC Phone Number: _____
 Address: Phila PA Truck # and License Plate: *10 AR713H
 Driver: Miguel Figueroa SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Miguel Figueroa Date and Time: 10/29/2015

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

(Handwritten mark)

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-8220
- Clean Earth of New Castle
84 Pyles Lane
New Castle, DE 19720
Ph: 302-427-8833
- Clean Earth of Greater Washington
8250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-598-0938
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19159
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4064
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other: _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE:	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
Signature: _____ Date and Time: _____

TRANSPORTER

Company: PLS TRANSPORTATION Phone Number: _____
Address: Middlesex NJ Truck # and License Plate: H13 A9117
Driver: Tony Howard SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 10/30/15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: 10/30/15

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____



 GLOBAL JOB NUMBER: 87637 FACILITY APPROVAL NUMBER: 10-2115
Please Check One:

- | | | | |
|------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909 | <input type="checkbox"/> Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220 | <input type="checkbox"/> Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633 | <input type="checkbox"/> Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939 |
| <input type="checkbox"/> Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520 | <input type="checkbox"/> Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004 | <input type="checkbox"/> Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700 | <input type="checkbox"/> Other _____ |

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>115 Jacobus Ave</u>	GROSS WEIGHT <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: <u>973-344-4004</u>	TARE WEIGHT <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION
115 Jacobus Ave

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
Signature: _____ Date and Time: 10-30-15

TRANSPORTER

Company: Shirley Express LLC Phone Number: _____
Address: 4911 Sp do HS Truck # and License Plate: 04 - AP9947
Driver: Carlos SW Haulers Permit #: SH9104
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 10-30-15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: 10-30-15

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE

GLOBAL JOB NUMBER: 1240928 FACILITY APPROVAL NUMBER: 1240928

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6260 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS <u>15601 ...</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE:	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION
...

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
Signature: _____ Date and Time: 12-23-18

TRANSPORTER

Company: SINAI #11 Phone Number: _____
Address: NEWARK NJ Truck # and License Plate: MS 942 U
Driver: MICHAEL GOMEZ SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____
I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

15

 GLOBAL JOB NUMBER: 37631 FACILITY APPROVAL NUMBER: 15307118
Please Check One:

- | | | | |
|------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909 | <input type="checkbox"/> Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-8220 | <input type="checkbox"/> Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633 | <input type="checkbox"/> Clean Earth of Greater Washington
8250 Power House Road
Upper Marlboro, MD 20772
Ph: 301-598-0939 |
| <input type="checkbox"/> Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520 | <input type="checkbox"/> Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004 | <input type="checkbox"/> Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700 | <input type="checkbox"/> Other _____ |

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>3550 7th 138th Ave</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
<u>Route 107</u>	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION
soil from below fill

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [Signature] Title: _____
 Signature: [Signature] Date and Time: 8-15

TRANSPORTER

Company: R/S Phone Number: _____
 Address: _____ Truck # and License Plate: PA 111
 Driver: [Signature] SW Haulers Permit #: _____
 (Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 8-15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE

GLOBAL JOB NUMBER: 137611

FACILITY APPROVAL NUMBER: 123073118

Please Check One:

- | | | | |
|------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07006
Ph: 732-541-8909 | <input type="checkbox"/> Clean Earth of Maryland
1489 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220 | <input type="checkbox"/> Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633 | <input type="checkbox"/> Clean Earth of Greater Washington
8250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0039 |
| <input type="checkbox"/> Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520 | <input type="checkbox"/> Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004 | <input type="checkbox"/> Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700 | <input type="checkbox"/> Other _____ |

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS	GROSS WEIGHT <input type="checkbox"/> Tons <input type="checkbox"/> Yards
EST. QUANTITY / DATE	TARE WEIGHT <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE	NET WEIGHT <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
Signature: _____ Date and Time: _____

TRANSPORTER

Company: Shirley Express LLC Phone Number: _____
Address: 702 Ramsey Ave. Hillside, NJ 07205 Truck # and License Plate: (NJ) 254-0597
Driver: _____ SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE

GLOBAL JOB NUMBER: 137651 FACILITY APPROVAL NUMBER: 153071118
Please Check One:

- | | | | |
|------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8908 | <input type="checkbox"/> Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-8220 | <input type="checkbox"/> Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633 | <input type="checkbox"/> Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939 |
| <input type="checkbox"/> Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520 | <input type="checkbox"/> Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004 | <input type="checkbox"/> Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700 | <input type="checkbox"/> Other _____ |

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>137th St LLC, 137th St</u> <u>255 Route 137th Street</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: <u>609-671-1111</u>	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

 Name: _____ Title: _____
 Signature: _____ Date and Time: _____

TRANSPORTER

 Company: _____ Phone Number: _____
 Address: Shirley Express LLC Truck # and License Plate: 1908158-05475195 R
 Driver: 702 Rappacy Ave, LINDSIDE, NJ 07205 SW Haulers Permit #: _____
 (Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

 Driver Signature: _____ Date and Time: 10:30-2015
DESTINATION

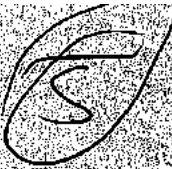
I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE


 GLOBAL JOB NUMBER: 137631

 FACILITY APPROVAL NUMBER: 1530-1110
Please Check One:

- | | | | |
|--------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-641-8909 | <input type="checkbox"/> Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220 | <input type="checkbox"/> Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633 | <input checked="" type="checkbox"/> Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-598-0939 |
| <input checked="" type="checkbox"/> Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520 | <input type="checkbox"/> Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004 | <input type="checkbox"/> Clean Earth of Southeast Pennsylvania
7 Steel Road East
Mortsville, PA 19067
Ph: 215-428-1700 | <input type="checkbox"/> Other _____ |

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>1300 E. 116th Street</u> <u>Brooklyn, NY</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION
GENERATOR'S CERTIFICATION -- Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

 Name: _____ Title: _____
 Signature: _____ Date and Time: 11-30-15
TRANSPORTER

 Company: SAFELY EXPRESS, INC. Phone Number: (708) 251-0097
 Address: 702 Ramapo Ave. Hillside, NJ 07205 Truck # and License Plate: 151982
 Driver: MARCO SW Haulers Permit #: NJ 0177
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

 Driver Signature: _____ Date and Time: 11-30-15
DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE

GLOBAL JOB NUMBER: 157033

FACILITY APPROVAL NUMBER: 15307118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0639
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>138" x 64" / 138" x 31"</u> <u>138" x 64" / 138" x 31"</u> <u>138" x 64" / 138" x 31"</u> GENERATOR'S PHONE: _____	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
--------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
 Signature: _____ Date and Time: _____

TRANSPORTER

Company: Shirley Express LLC Phone Number: 908-254-0597
 Address: 707 Ramsey Ave. Hillside, NJ 07205 Truck # and License Plate: 459-200
 Driver: _____ SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE


GLOBAL JOB NUMBER:

137631

FACILITY APPROVAL NUMBER:

1630/1111

Please Check One:

- | | | | |
|--------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Clean Earth of Carteret
24 Middlsex Avenue
Carteret, NJ 07008
Ph: 732-541-8998 | <input checked="" type="checkbox"/> Clean Earth of Maryland
1169 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220 | <input checked="" type="checkbox"/> Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-8633 | <input type="checkbox"/> Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0938 |
| <input checked="" type="checkbox"/> Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520 | <input checked="" type="checkbox"/> Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004 | <input checked="" type="checkbox"/> Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700 | <input type="checkbox"/> Other _____ |

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>SWP DE LLC / 130th St</u> <u>130th Street</u> <u>Brooklyn, NY</u>	GROSS WEIGHT: <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION
GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____
Address: Shirley Express LLC Truck # and License Plate: 19081258-0597
Driver: 702 Ramsey Ave, Hillside, NJ 07035 SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.
Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.
Driver Signature: _____ Date and Time: _____
I hereby certify that the above named material has been accepted at the above referenced facility.
Authorized Signature: _____ Date and Time: _____

SITE



CLEAN EARTH

Manifest # **1257401**

GLOBAL JOB NUMBER: 157631

FACILITY APPROVAL NUMBER: 153071111

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1468 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other: _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS	GROSS WEIGHT:
<u>THE CELL / THE ST</u>	<input type="checkbox"/> Tons <input type="checkbox"/> Yards
<u>750 BROAD ST</u>	TARE WEIGHT:
<u>BRIDGE PLAZA</u>	<input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE	NET WEIGHT:
	<input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
 Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____
 Address: ADITYA EXPRESS LLC
 Driver: 7027 BRUCE AVE, LITTLE ROCK, AR 72205 Truck # and License Plate: 19001-258-AS07
 (Type or Print Clearly) SW Haulers Permit #: _____
 (Applicable State Permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE


GLOBAL JOB NUMBER:

137611

FACILITY APPROVAL NUMBER:

154071018

Please Check One:

- | | | | |
|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Clean Earth of Careret
24 Middlesex Avenue
Careret, NJ 07006
Ph: 732-541-8909 | <input type="checkbox"/> Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220 | <input type="checkbox"/> Clean Earth of New Castle
84 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633 | <input type="checkbox"/> Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-598-0839 |
| <input type="checkbox"/> Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520 | <input type="checkbox"/> Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004 | <input type="checkbox"/> Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700 | <input type="checkbox"/> Other: _____ |

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:
TYPE OF MATERIAL:	<input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE:	TARE WEIGHT:
	<input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT:
	<input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION
GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
 Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____
 Address: Starley Express LLC Truck # and License Plate: (908) 258-0597
 Driver: 702 Ramsey Ave. Millade, NJ 07205 SW Haulers Permit #: _____
 (Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

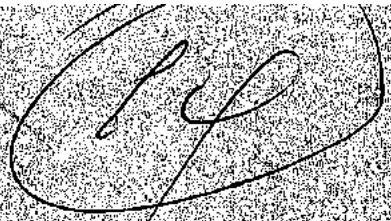
I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



GLOBAL JOB NUMBER: 157831

FACILITY APPROVAL NUMBER: 153071118

Please Check One.

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
84 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-598-0938
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19189
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>3330 SELLICOTT ST</u> <u>W. 5th ESTATE 13TH STREET</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE:	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL SAMPLE ID AND LOCATION

HAZARDOUS WASTE

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: John P. Casella Title: Super
Signature: [Signature] Date and Time: 11/30/11

TRANSPORTER

Company: _____ Phone Number: _____
Address: Shirley Express LLC Truck # and License Plate: 1900 258-0931
Driver: 702 Ramsey Ave, Hildebrand, NJ 07203 SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



CLEANEARTH

12

Manifest # 125739

GLOBAL JOB NUMBER:

137631

FACILITY APPROVAL NUMBER:

153071118

Please Check One:

Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

Clean Earth of Maryland
1489 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1709

Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS

GROSS WEIGHT

Tons Yards

TARE WEIGHT

Tons Yards

NET WEIGHT

Tons Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION

Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected. I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
Signature: _____ Date and Time: _____

TRANSPORTER

Company: SPMA
Address: Shirley Express LLC
Driver: 700 Ramsey Ave Hillside, NJ 07205
(Type or Print Clearly)

Phone Number: _____
Truck # and License Plate: 1994 259-0597 NJ
SW Haulers Permit #: _____
(applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE

GLOBAL JOB NUMBER: 13763

FACILITY APPROVAL NUMBER: YES/07/11

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>13763</u> <u>24 Middlesex Avenue</u> <u>Carteret, NJ</u> GENERATOR'S PHONE: _____	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
-----------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
 Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____
 Address: Surby Express LLC Truck # and License Plate: 14P18394 NJ
 Driver: 702 Ramsey Ave. Hillside, NJ 07205 SW Haulers Permit #: _____ (applicable state permit #) 16

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE

10

GLOBAL JOB NUMBER:

137631

FACILITY APPROVAL NUMBER:

157071118

Please Check One:

 Clean Earth of Carteret
 24 Middlesex Avenue
 Carteret, NJ 07008
 Ph: 732-541-8909

 Clean Earth of Maryland
 1469 Oak Ridge Place
 Hagerstown, MD 21740
 Ph: 301-791-8220

 Clean Earth of New Castle
 94 Pyles Lane
 New Castle, DE 19720
 Ph: 302-427-6633

 Clean Earth of Greater Washington
 6250 Power House Road
 Upper Marlboro, MD 20772
 Ph: 301-599-0939

 Clean Earth of Philadelphia
 3201 S. 16th Street
 Philadelphia, PA 19153
 Ph: 215-724-5620

 Clean Earth of North Jersey
 115 Jacobus Avenue
 Kearny, NJ 07032
 Ph: 973-344-4004

 Clean Earth of Southeast Pennsylvania
 7 Steel Road East
 Morrisville, PA 19067
 Ph: 215-428-1700

 Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS

GROSS WEIGHT

 Tons Yards

TARE WEIGHT

 Tons Yards

NET WEIGHT

 Tons Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION

- Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

 Name: _____
 Signature: _____

 Title: _____
 Date and Time: _____

TRANSPORTER

 Company: _____
 Address: Shirley Express LLC
 Driver: 707 Banbury Ave. Hillside, NJ 07206
(Type or Print Clearly)

 Phone Number: _____
 Truck # and License Plate: 190H 258-0597
 SW Haulers Permit #: _____
(applicable permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____

 Date and Time: 10-30-15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____

Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____

Date and Time: _____

SITE

9

GLOBAL JOB NUMBER: 157611

FACILITY APPROVAL NUMBER: 153071118

Please Check One:

- | | | | |
|------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-641-8809 | <input type="checkbox"/> Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-8220 | <input type="checkbox"/> Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633 | <input type="checkbox"/> Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0999 |
| <input type="checkbox"/> Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520 | <input type="checkbox"/> Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004 | <input type="checkbox"/> Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700 | <input type="checkbox"/> Other _____ |

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>135th Street / 135th St</u> <u>75th East, 135th Street</u> <u>Brooklyn, NY</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____
Address: _____ Truck # and License Plate: MD01258-0597
Driver: John M. Mince, NJ 07705 SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.
Driver Signature: _____ Date and Time: 11/10/10

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.
Driver Signature: _____ Date and Time: 11/10/10

I hereby certify that the above named material has been accepted at the above referenced facility.
Authorized Signature: _____ Date and Time: _____

SITE



GLOBAL JOB NUMBER:

137531

FACILITY APPROVAL NUMBER:

153071118

Please Check One:

Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

Clean Earth of New Castle
84 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS

GROSS WEIGHT

Tons Yards

TARE WEIGHT

Tons Yards

NET WEIGHT

Tons Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION

Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____

Title: _____

Signature: _____

Date and Time: _____

TRANSPORTER

Company: S. Ryan Hill

Phone Number: _____

Address: Nutrex Express LLC

Truck # and License Plate: (908) 250-0597 NJ

Driver: 702 Ramsey Ave. Hillside, NJ 07205

SW Haulers Permit #: As 112 V NJ

(Type or Print Clearly)

(applicable permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature]

Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____

Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____

Date and Time: _____

SITE



Manifest # 1254005

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 15307118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 2 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes handwritten entries for generator name and weight options.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name, Title, Signature, Date and Time fields with handwritten entries.

TRANSPORTER

Company, Address, Driver, Phone Number, Truck # and License Plate, SW Haulers Permit # fields with handwritten entries.

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature, Date and Time fields with handwritten entries.

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature, Date and Time fields with handwritten entries.

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature, Date and Time fields with handwritten entries.

SITE



Manifest # 1010070

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: _____	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
_____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____
Address: _____ Truck # and License Plate: _____
Driver: _____ SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1353377

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 2 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes checkboxes for Tons and Yards.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____
Address: _____ Truck # and License Plate: _____
Driver: _____ SW Haulers Permit #: _____

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1243387

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 15307118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1489 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>255-128th St Bronx NY</u> <u>10027</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
 Signature: _____ Date and Time: _____

TRANSPORTER

Company: MCP Phone Number: _____
 Address: BRIDGEVILLE NJ Truck # and License Plate: A5171C
 Driver: _____ SW Haulers Permit #: MCS #7
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 11/2/15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: 11/2/15

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1245379

GLOBAL JOB NUMBER: 1231

FACILITY APPROVAL NUMBER: 1234567

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 2 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Generator's Phone, Net Weight.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Title: Signature: Date and Time:

TRANSPORTER

Company: Phone Number: Address: Truck # and License Plate: Driver: SW Haulers Permit #: (Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time:

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time:

SITE



Manifest # 1243300

GLOBAL JOB NUMBER: 130631

FACILITY APPROVAL NUMBER: 133021118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 2 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes checkboxes for Tons and Yards.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Signature: Title: Date and Time:

TRANSPORTER

Company: Address: Driver: Phone Number: Truck # and License Plate: SW Haulers Permit #:

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time:

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time:

SITE



Manifest # 1119863

GLOBAL JOB NUMBER: 177431

FACILITY APPROVAL NUMBER: 3117113

Please Check One:

- Clean Earth of Carteret, Maryland, New Castle, Greater Washington, Philadelphia, North Jersey, Southeast Pennsylvania, and Other.

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 2 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Generator's Phone, Net Weight.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law...

Name: Title: Signature: Date and Time:

TRANSPORTER

Company: Phone Number: Address: Truck # and License Plate: Driver: SW Haulers Permit #: (Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time:

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time:



Manifest # 954232

GLOBAL JOB NUMBER: 157631

FACILITY APPROVAL NUMBER: 15307118

Please Check One:

- Clean Earth of Carteret, Maryland, New Castle, Greater Washington, Philadelphia, North Jersey, Southeast Pennsylvania, Other.

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: 12010 st LLC / 128th st 2557 / 15319 st. GROSS WEIGHT: Tons Yards. TARE WEIGHT: Tons Yards. NET WEIGHT: Tons Yards.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Signature: Title: Date and Time:

TRANSPORTER

Company: JDC / T WAK Phone Number: Address: Truck # and License Plate: 07 / A-1470 Driver: SW Haulers Permit #: (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 11/02/15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time: 11/02/15

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time:



Manifest # 954231

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: 130th St LLC / 130th St 754 E 130th St Newark, NJ	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards	DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION 1/2 TON DRUM FULL

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Wilson Land Title: Owner
 Signature: [Signature] Date and Time: 1-2-2010

TRANSPORTER

Company: T-MAN Phone Number: _____
 Address: 39 WINDY PL HUNTSVILLE AL Truck # and License Plate: A95538 #105
 Driver: MARK FOLLETT SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 354234

GLOBAL JOB NUMBER: 137631 FACILITY APPROVAL NUMBER: 15307118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS, GROSS WEIGHT, TARE WEIGHT, NET WEIGHT

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - I hereby certify that the above named material does not contain free liquid...

TRANSPORTER - Company, Address, Driver, Phone Number, Truck # and License Plate, SW Haulers Permit #

I hereby certify that the above named material was picked up at the site listed above. Driver Signature, Date and Time

DESTINATION - I hereby certify that the above named material was delivered without incident to the facility noted above. Driver Signature, Date and Time. Authorized Signature, Date and Time



Manifest # 954233

GLOBAL JOB NUMBER: 137631 FACILITY APPROVAL NUMBER: 15307118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>138th St LLC / 138th St.</u> <u>255 E. 138th St.</u> <u>Brook, NY</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION <u>Asphalt</u> <u>100 HA 2</u>	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Joseph J. ... Title: Superior
 Signature: [Signature] Date and Time: 11/02/15

TRANSPORTER

Company: JDC / T. MAK Phone Number: _____
 Address: 30 Middlesex Ave, Carteret, NJ Truck # and License Plate: 02 / A5483B
 Driver: Harold ... SW Haulers Permit #: _____
 (Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 939699

GLOBAL JOB NUMBER: 12763

FACILITY APPROVAL NUMBER: 19307119

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>1257 W LLC</u> <u>255 E. 138th St</u> <u>Flower Hill</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE:	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

NON HAZ SOLID
URBAN FILL

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [Signature] Title: [Signature]
Signature: [Signature] Date and Time: 11/2/12

TRANSPORTER

Company: JDR TRUCKING INC Phone Number: 201 279 9999
Address: 15 WOOD ST WOODBRIDGE NJ Truck # and License Plate: #8 ASE13M
Driver: [Signature] SW Haulers Permit #: AT 5414
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 11/2/12

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____



Manifest # 1119862

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: _____	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
_____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____

Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____

Address: _____ Truck # and License Plate: _____

Driver: _____ SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____



Manifest # 1243053

GLOBAL JOB NUMBER: 10001 FACILITY APPROVAL NUMBER: 15

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Form with fields for GENERATOR'S NAME & SITE ADDRESS, GROSS WEIGHT, TARE WEIGHT, GENERATOR'S PHONE, and NET WEIGHT.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Handwritten description of material: UNIDENTIFIED, N01 1/1A Z

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name, Title, Signature, Date and Time fields with handwritten entries.

TRANSPORTER

Company, Address, Driver, Phone Number, Truck # and License Plate, SW Haulers Permit # fields.

(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature, Date and Time fields.

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature, Date and Time fields.

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature, Date and Time fields.

SITE



Manifest # 1243368

GLOBAL JOB NUMBER: 137-21

FACILITY APPROVAL NUMBER: 1337 7119

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Generator's Phone, Net Weight

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Signature: Title: Date and Time:

TRANSPORTER

Company: Address: Driver: Phone Number: Truck # and License Plate: SW Haulers Permit #: (Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time:

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time:

SITE



Manifest # 1242387

GLOBAL JOB NUMBER: 1371531

FACILITY APPROVAL NUMBER: 15307118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS, GROSS WEIGHT, TARE WEIGHT, GENERATOR'S PHONE, NET WEIGHT

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law...

Name, Signature, Title, Date and Time

TRANSPORTER

Company, Address, Driver, Phone Number, Truck # and License Plate, SW Haulers Permit #

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature, Date and Time

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature, Date and Time

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature, Date and Time

SITE



Manifest # 2245578

GLOBAL JOB NUMBER: 157 FACILITY APPROVAL NUMBER: 15

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE:	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

11/11/13
11/11/13

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [Signature] Title: [Signature]
Signature: [Signature] Date and Time: 11/11/13

TRANSPORTER

Company: JDC Trucking Inc Phone Number: 201 270-9999
Address: 2500 S. 10th St Truck # and License Plate: 6 AS-7097
Driver: [Signature] SW Haulers Permit #: [Signature]
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 11/11/13

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # **1434181**

GLOBAL JOB NUMBER: 137424

FACILITY APPROVAL NUMBER: 55071114

Please Check One:

- | | | | |
|------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909 | <input type="checkbox"/> Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220 | <input type="checkbox"/> Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633 | <input type="checkbox"/> Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939 |
| <input type="checkbox"/> Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520 | <input type="checkbox"/> Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004 | <input type="checkbox"/> Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700 | <input type="checkbox"/> Other _____ |

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>1000 5th St</u> <u>Brooklyn, NY</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

as shown

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Walter J. Smith Title: Owner
Signature: [Signature] Date and Time: 11-2-07 11:00 AM

TRANSPORTER

Company: SW Haulers LLC Phone Number: 908-251-4547
Address: 703 Ramsey Ave. Newark, NJ 07105 Truck # and License Plate: 12-20-07-175 P
Driver: [Signature] SW Haulers Permit #: NP-903
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 11/2/07

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 2350489

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other: _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
 Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____
 Address: _____ Truck # and License Plate: _____
 Driver: _____ SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 800130

GLOBAL JOB NUMBER: 187631

FACILITY APPROVAL NUMBER: 11307112

Please Check One:

- Clean Earth of Carteret, Maryland, New Castle, Philadelphia, North Jersey, Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: 13871 ST LLC, 205 E MAPLE, Broomfield, CO. GROSS WEIGHT, TARE WEIGHT, NET WEIGHT sections.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

MD 11 Hazard Waste

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law...

Name, Title, Signature, Date and Time fields.

TRANSPORTER

Company, Address, Driver, Phone Number, Truck # and License Plate, SW Haulers Permit #.

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature, Date and Time fields.

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature, Date and Time fields.

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature, Date and Time fields.

SITE

4



CLEAN EARTH

Manifest # 939186

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 15307118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>128th ST LLC</u> <u>255 1st 128th ST</u> <u>3500 NJ</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Asp. Mural

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Walter S. Walker Title: Owner
 Signature: Walter S. Walker Date and Time: 11-03-16

TRANSPORTER

Company: SWC #12 Phone Number: 215-210-9999
 Address: 75 W. 10th St Truck # and License Plate: AT 712R
 Driver: Walter S. Walker SW Haulers Permit #: 264
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Walter S. Walker Date and Time: 11/3/16

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: 11/3/16

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 939185

GLOBAL JOB NUMBER: 137631 FACILITY APPROVAL NUMBER: 153071118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: 138th ST LLC, 255 East 138th St, Bronx, NY. GROSS WEIGHT, TARE WEIGHT, NET WEIGHT sections.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION: No Hazard

GENERATOR'S CERTIFICATION - I hereby certify that the above named material does not contain free liquid... Name: Lettice Construction, Title: [Signature], Date and Time: 11-03-16

TRANSPORTER: Company: JDC TRUCKING INC, Phone Number: 201-274-9999, Address: 75 WINDSOR ST KENNY NJ, Truck # and License Plate: #4 AT 712B, Driver: CARLOS OLIVERA, SW Haulers Permit #: NJ 9441. I hereby certify that the above named material was picked up at the site listed above. Driver Signature: [Signature], Date and Time: 11/3/16

DESTINATION: I hereby certify that the above named material was delivered without incident to the facility noted above. Driver Signature: [Signature], Date and Time: [Signature]. I hereby certify that the above named material has been accepted at the above referenced facility. Authorized Signature: [Signature], Date and Time: [Signature]

SITE



Manifest # 800129

GLOBAL JOB NUMBER: 132 631

FACILITY APPROVAL NUMBER: 130 03 118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Other, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes handwritten entries for generator name and address.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

NON HAZ 80 L

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law...

Name: [Signature] Title: [Signature] Signature: [Signature] Date and Time: 11/5/16 8:15

TRANSPORTER

Company: [Signature] Phone Number: 201-429-7211 Address: [Signature] Truck # and License Plate: [Signature] Driver: [Signature] SW Haulers Permit #: [Signature]

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 11/5/16

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature] Date and Time: 11/5/16

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [Signature] Date and Time: [Signature]

SITE



Manifest # 939184

GLOBAL JOB NUMBER: 137831

FACILITY APPROVAL NUMBER: 1583-7115

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 2 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes handwritten entries for generator name and weights.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

No Hazard

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law...

Name: [Signature], Title: [Signature], Signature: [Signature], Date and Time: 7:50

TRANSPORTER

Company: JDC #2, Phone Number: 201-239-9499, Address: 15 WINDSOR ST, Truck # and License Plate: R7712B, Driver: [Signature], SW Haulers Permit #: [Signature]

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature], Date and Time: 11/3/16

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature], Date and Time: 11/3/16

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE

6



Manifest # 939195

GLOBAL JOB NUMBER: 137831

FACILITY APPROVAL NUMBER: 133071118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: 13811 LLC, GROSS WEIGHT: Tons/Yards, TARE WEIGHT: Tons/Yards, NET WEIGHT: Tons/Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected. I hereby certify that the above named material does not contain free liquid...

TRANSPORTER: JDC TRUCKING INC, Phone Number: 201 271 9999, Truck # and License Plate: #4 AT 712 B

DESTINATION: I hereby certify that the above named material was delivered without incident to the facility noted above.

SITE



Manifest # 734253

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 1530711K

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Other, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Generator's Phone, Net Weight.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Signature: Title: Date and Time:

TRANSPORTER

Company: Address: Driver: Phone Number: Truck # and License Plate: SW Haulers Permit #:

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time:

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time:



Manifest # 1081358

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 15307118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: 138th St. 255 East... TROUX. N.Y. GROSS WEIGHT: Tons Yards TARE WEIGHT: Tons Yards NET WEIGHT: Tons Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected. I hereby certify that the above named material does not contain free liquid... Name: Signature: Title: Date and Time:

TRANSPORTER Company: Phone Number: Address: Truck # and License Plate: Driver: SW Haulers Permit #: Driver Signature: Date and Time:

DESTINATION I hereby certify that the above named material was delivered without incident to the facility noted above. Driver Signature: Date and Time: I hereby certify that the above named material has been accepted at the above referenced facility. Authorized Signature: Date and Time:

SITE



Manifest # 939541

9

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 1530711E

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: 13814 St LLC, 295 E 13814 St, Bionyx, NY. GROSS WEIGHT, TARE WEIGHT, NET WEIGHT sections.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

NON Haz urban fill

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law...

Name: [Signature], Title: [Signature], Signature: [Signature], Date and Time: 11/7/15

TRANSPORTER

Company: SW Trucking, Phone Number: 201 779 9999, Address: Keosauqua, IA, Truck # and License Plate: #7 A5710D, Driver: [Signature], SW Haulers Permit #: NE 9141

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature], Date and Time: 11/6/15, 7:00 AM, 9:05 AM

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 939698

GLOBAL JOB NUMBER: 137631 FACILITY APPROVAL NUMBER: 153071118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>255 E 37th St LLC</u> <u>Brooklyn NY</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION
NO. 107 URBAN SOIL

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [Signature] Title: _____
 Signature: [Signature] Date and Time: 11/14/15

TRANSPORTER

Company: DDO TRUCKING INC Phone Number: 201 279 9009
 Address: TRUCKING S. KENNEDY ST Truck # and License Plate: #R 85513M
 Driver: C. OBLIVION SW Haulers Permit #: 07944
 (Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 11/14/15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____



Manifest # 954230

GLOBAL JOB NUMBER: 127631

FACILITY APPROVAL NUMBER: 19307118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: 125th St LLC / 125th St. 1955 E 125th St. BRADY NY. GROSS WEIGHT: Tons Yards. TARE WEIGHT: Tons Yards. NET WEIGHT: Tons Yards.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Title: Signature: Date and Time:

TRANSPORTER

Company: JDC / T MAK Phone Number: Address: Truck # and License Plate: 01/AE-1170 Driver: SW Haulers Permit #: (Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time:

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time:



Manifest # 938754

GLOBAL JOB NUMBER: 137521

FACILITY APPROVAL NUMBER: 153071113

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 2 columns: GENERATOR'S NAME & SITE ADDRESS, GROSS WEIGHT, TARE WEIGHT, NET WEIGHT. Includes checkboxes for Tons and Yards.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Title: Signature: Date and Time:

TRANSPORTER

Company: T-Mak, Phone Number: Address: 3000... Pl, Kearny, NJ, Truck # and License Plate: 08 A2517417, Driver: SW Haulers Permit #:

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 11/24/15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time: 11/24/15

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time:



Manifest # 938749

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 19307140

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: 136 St LLC / 1138 St, 255 Oak Ridge Pl, Carteret, NJ. GROSS WEIGHT: Tons/Yards. TARE WEIGHT: Tons/Yards. NET WEIGHT: Tons/Yards.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION: 136 St, 255 Oak Ridge Pl, Carteret, NJ

GENERATOR'S CERTIFICATION - I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10...

TRANSPORTER - Company: IDC/TMA, Address: 3000 Parkway, Driver: [Signature], Date and Time: 11/2/15

DESTINATION - I hereby certify that the above named material was delivered without incident to the facility noted above. Authorized Signature: [Signature], Date and Time: 11/2/15

SITE



Manifest # 1249328

GLOBAL JOB NUMBER: 137631 FACILITY APPROVAL NUMBER: 15307118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 2 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Generator's Phone, Net Weight. Includes handwritten entries for generator name and weights.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Handwritten description: 157 107X 1051 15029

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: 1ST FILE LOU... Title: Super... Signature: [Signature] Date and Time: 11/5/15

TRANSPORTER

Company: CV Phone Number: Truck # and License Plate: #54 AS40MR Driver: [Signature] SW Haulers Permit #: [Signature]

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 11-5-15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature] Date and Time: 11-5-15

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [Signature] Date and Time: [Signature]

SITE



Manifest # 956621

GLOBAL JOB NUMBER: 137631 FACILITY APPROVAL NUMBER: 151371118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: 255 E 135th St, BRIDGE NY. GROSS WEIGHT, TARE WEIGHT, NET WEIGHT sections.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law...

Name: [Signature], Title: [Signature], Signature: [Signature], Date and Time: 11/5/15

TRANSPORTER

Company: CV TRUCKING, Phone Number: [blank], Address: 157 CALVERT AVE NEWARK NJ, Truck # and License Plate: CV 251 AS 6534 NJ, Driver: [Signature], SW Haulers Permit #: 10725

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature], Date and Time: 11/5/15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [blank], Date and Time: [blank]

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [blank], Date and Time: [blank]

SITE



Manifest # 1075968

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 15307118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: 255 E 138 ST, 30000 NJ; GROSS WEIGHT: Tons/Yards; TARE WEIGHT: Tons/Yards; NET WEIGHT: Tons/Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION: HAZARDOUS WASTE

GENERATOR'S CERTIFICATION - I hereby certify that the above named material does not contain free liquid... Name: Signature: Title: Date and Time:

TRANSPORTER: Company: Address: Driver: Phone Number: Truck # and License Plate: SW Haulers Permit #: (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above. Driver Signature: Date and Time:

DESTINATION: I hereby certify that the above named material was delivered without incident to the facility noted above. Driver Signature: Date and Time: I hereby certify that the above named material has been accepted at the above referenced facility. Authorized Signature: Date and Time:

SITE



Manifest # 1075565

GLOBAL JOB NUMBER: 1700

FACILITY APPROVAL NUMBER: 130718

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS, GROSS WEIGHT, TARE WEIGHT, GENERATOR'S PHONE, NET WEIGHT

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected. I hereby certify that the above named material does not contain free liquid...

TRANSPORTER - Company, Address, Driver, Phone Number, Truck # and License Plate, SW Haulers Permit #, I hereby certify that the above named material was picked up at the site listed above.

DESTINATION - I hereby certify that the above named material was delivered without incident to the facility noted above. Authorized Signature



Manifest # 939663

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 153071118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other: _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: 125th St LLC 259 E 138th St Bronx NY	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE:	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

NO. HAZ WASTE SOIL

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: LETHER JON Title: Signer
 Signature: [Signature] Date and Time: 11-5-15

TRANSPORTER

Company: JDC TRUCKING INC Phone Number: 201 979 9999
 Address: 75 WINDSOR ST NEWARK NJ Truck # and License Plate: # 8 A5813M
 Driver: D OLIVEIRA SW Haulers Permit #: WT 9414
 (Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 11/6/15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 25-00000

3

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 155091118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 2 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes handwritten entries for address and weight.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected. I hereby certify that the above named material does not contain free liquid...

Name: [Signature], Title: [Signature], Signature: [Signature], Date and Time: 11-15-15

TRANSPORTER

Company: ABC, Address: [Address], Driver: [Name], Phone Number: [Number], Truck # and License Plate: [Plate], SW Haulers Permit #: [Permit]

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature], Date and Time: [Time]

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature], Date and Time: [Time]

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [Signature], Date and Time: [Time]

SITE



Manifest # 1243880

GLOBAL JOB NUMBER: 139631

FACILITY APPROVAL NUMBER: 157074113

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 2 columns: Generator information (Name & Site Address, Phone) and Weight information (Gross, Tare, Net weight in Tons/Yards)

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.1Q or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [Signature] Title: [Signature] Signature: [Signature] Date and Time: [Signature]

TRANSPORTER

Company: [Signature] Phone Number: [Signature] Address: [Signature] Truck # and License Plate: [Signature] Driver: [Signature] SW Haulers Permit #: [Signature]

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: [Signature]

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature] Date and Time: [Signature]

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [Signature] Date and Time: [Signature]

SITE



Manifest # 889570

GLOBAL JOB NUMBER: 132631 FACILITY APPROVAL NUMBER: 15207012

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with weight information: GENERATOR'S NAME & SITE ADDRESS, GROSS WEIGHT, TARE WEIGHT, NET WEIGHT.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Title: Signature: Date and Time:

TRANSPORTER

Company: Phone Number: Address: Truck # and License Plate: Driver: SW Haulers Permit #: (Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time:

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time:

SITE



Manifest # 1119825

5

GLOBAL JOB NUMBER: 127031 FACILITY APPROVAL NUMBER: 1537ME

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 2 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes handwritten entries for name, address, and weights.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Handwritten description of material and location.

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Signature: Title: Date and Time:

TRANSPORTER

Company: Address: Driver: Phone Number: Truck # and License Plate: SW Haulers Permit #:

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time:

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time:



10

Manifest # 12-5364

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 153071118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: 255 ...	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: 732 ...	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION
1000 ...

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____
Address: _____ Truck # and License Plate: _____
Driver: _____ SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 889571

GLOBAL JOB NUMBER: 114631

FACILITY APPROVAL NUMBER: 330718

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 2 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes checkboxes for Tons and Yards.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Handwritten description: 2000 LBS OF ...

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law...

Name: [Signature] Title: [Signature] Signature: [Signature] Date and Time: [Signature]

TRANSPORTER

Company: [Signature] Phone Number: [Signature] Address: [Signature] Truck # and License Plate: [Signature] Driver: [Signature] SW Haulers Permit #: [Signature]

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: [Signature]

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature] Date and Time: [Signature]

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [Signature] Date and Time: [Signature]



CR

Manifest # 1119023

GLOBAL JOB NUMBER: 10702 FACILITY APPROVAL NUMBER: 1504115

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 2 columns: Generator information (Name & Site Address, Phone) and Weight information (Gross, Tare, Net weight in Tons/Yards)

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Title: Signature: Date and Time:

TRANSPORTER

Company: Phone Number: Address: Truck # and License Plate: Driver: SW Haulers Permit #: (Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time:

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time:

SITE



Manifest # 243087

13

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 153071119

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes handwritten entries for generator name and weight options.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [Signature] Title: [Signature] Signature: [Signature] Date and Time: 11-6-05

TRANSPORTER

Company: SW Haulers Phone Number: Truck # and License Plate: SW Haulers Permit #: (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 11-6-05

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature] Date and Time: 11-6-05

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [Signature] Date and Time:

SITE



Manifest # 339542

GLOBAL JOB NUMBER: 137631 FACILITY APPROVAL NUMBER: 153071118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: 13814 ST LLC, 255 E 13814 ST, BLDG NY. GROSS WEIGHT, TARE WEIGHT, NET WEIGHT sections.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Haz. Heavy Fill

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law...

Name: Catherine... Title: Supervisor. Signature: [Signature]. Date and Time: 11/6/15

TRANSPORTER

Company: SDC Tackling, Phone Number: [Blank], Address: [Blank], Truck # and License Plate: 7 AS7013, Driver: [Signature], SW Haulers Permit #: [Blank]

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature], Date and Time: 11/6/15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Blank], Date and Time: [Blank]

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [Blank], Date and Time: [Blank]



Manifest # 937701

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Keamy, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>1000 W. 10th St 2000 W. 10th St Morrisville, NJ</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

HAZARDOUS MATERIAL
NEW HAZ

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Latrice Galt Title: Super
Signature: [Signature] Date and Time: 11/09/15

TRANSPORTER

Company: _____ Phone Number: _____
Address: 1000 W. 10th St Truck # and License Plate: 1-000-718-0299
Driver: Chris SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 11-09-15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: 11-09-15

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 937699

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: _____	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
_____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

NOV 11 2011

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____
Address: _____ Truck # and License Plate: _____
Driver: _____ SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 937700

GLOBAL JOB NUMBER: 137654

FACILITY APPROVAL NUMBER: 777071138

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other.

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS, GROSS WEIGHT, TARE WEIGHT, GENERATOR'S PHONE, NET WEIGHT.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Signature: Title: Date and Time:

TRANSPORTER

Company: Address: Driver: Phone Number: Truck # and License Plate: SW Haulers Permit #:

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time:

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time:



Manifest # 1249310

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 15307118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: TSC BRST, GROWX; GROSS WEIGHT: Tons, Yards; TARE WEIGHT: Tons, Yards; GENERATOR'S PHONE; NET WEIGHT: Tons, Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

NON-HAZ W3AW FILL

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: LATO KALISTA, Title: SUPER, Signature: [Signature], Date and Time: 11/10/15

TRANSPORTER

Company: CV, Phone Number: [Blank], Address: 182 Calcutta Newark NJ, Truck # and License Plate: #54 NS4045, Driver: Julio Castro, SW Haulers Permit #: [Blank]

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature], Date and Time: 11-10-15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature], Date and Time: 11-10-15

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [Signature], Date and Time: [Blank]

SITE



Manifest # 1075562

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:
	<input type="checkbox"/> Tons <input type="checkbox"/> Yards
	TARE WEIGHT:
	<input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE:	NET WEIGHT:
	<input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____
Address: _____ Truck # and License Plate: _____
Driver: _____ SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 956618

GLOBAL JOB NUMBER: 137651 FACILITY APPROVAL NUMBER: 133071118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GROSS WEIGHT: TARE WEIGHT: NET WEIGHT: (Includes checkboxes for Tons and Yards)

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

URBAN FLCL

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Signature: Title: Date and Time: (Includes handwritten signatures and dates)

TRANSPORTER

Company: Address: Driver: Phone Number: Truck # and License Plate: SW Haulers Permit #: (Includes handwritten information)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: (Includes handwritten signature and date)

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time: (Includes handwritten signature and date)

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: (Includes handwritten signature and date)



Manifest # 1131062

GLOBAL JOB NUMBER: 157031

FACILITY APPROVAL NUMBER: 15307115

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 81st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>255 E 13th St Phila PA</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

100 lbs of soil
from the site

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: OWNER
Signature: _____ Date and Time: 11/10/15

TRANSPORTER

Company: SW Haulers Phone Number: 973-445-1278
Address: 1981 W. 1st St. Newark NJ Truck # and License Plate: # 57 AN792P NJ
Driver: _____ SW Haulers Permit #: NJ-720
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 11-10-15 4:40

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1242030

GLOBAL JOB NUMBER: 134031

FACILITY APPROVAL NUMBER: 153071113

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Generator's Name & Site Address: 255 East 38th Street, Brooklyn NY. Gross Weight, Tare Weight, Net Weight sections.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law...

Name, Signature, Title, Date and Time fields for generator certification.

TRANSPORTER

Company, Address, Driver, Phone Number, Truck # and License Plate, SW Haulers Permit # fields.

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature, Date and Time fields for pickup certification.

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature, Date and Time fields for delivery certification.

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature, Date and Time fields for acceptance certification.

SITE



Manifest # 1249309

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 15307119

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes handwritten entries for address and weight options.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Handwritten description: UNKDN FLU, No. HAA

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law...

Name, Signature, Title, Date and Time fields with handwritten entries.

TRANSPORTER

Company, Address, Driver, Phone Number, Truck # and License Plate, SW Haulers Permit # fields.

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature, Date and Time fields with handwritten entries.

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature, Date and Time fields with handwritten entries.

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature, Date and Time fields.

SITE



Manifest # 2241035

GLOBAL JOB NUMBER: 137A31

FACILITY APPROVAL NUMBER: 153071016

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: 255 EAST 34TH STREET PLAINFIELD NJ	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION _____ _____	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
 Signature: _____ Date and Time: _____

TRANSPORTER

Company: CV 21 Phone Number: _____
 Address: 182 CHILTON ST Truck # and License Plate: PA1477761
 Driver: D. S. P. (Type or Print Clearly) SW Haulers Permit #: 725 (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 11-11-15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



8

Manifest # 1131663

GLOBAL JOB NUMBER: 137431

FACILITY APPROVAL NUMBER: 153071113

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>270 E 15th St</u> <u>Ph: 215-724-5520</u>	GROSS WEIGHT:	
	<input type="checkbox"/> Tons <input type="checkbox"/> Yards	
GENERATOR'S PHONE: _____	TARE WEIGHT:	
	<input type="checkbox"/> Tons <input type="checkbox"/> Yards	
	NET WEIGHT:	
	<input type="checkbox"/> Tons <input type="checkbox"/> Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

1000 lbs of soil from site

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [Signature] Title: [Signature]
Signature: [Signature] Date and Time: 11/10/01

TRANSPORTER

Company: CV Trucking Phone Number: 412-415-1372
Address: 187 S. 2nd St. New York, NY Truck # and License Plate: 57 ANB 407-01
Driver: [Signature] SW Haulers Permit #: NY 720
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 11/10/01

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1075561

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Form with fields for GENERATOR'S NAME & SITE ADDRESS, GROSS WEIGHT, TARE WEIGHT, GENERATOR'S PHONE, and NET WEIGHT.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected. I hereby certify that the above named material does not contain free liquid...

TRANSPORTER - Company, Address, Driver, Phone Number, Truck # and License Plate, SW Haulers Permit #. I hereby certify that the above named material was picked up at the site listed above.

DESTINATION - I hereby certify that the above named material was delivered without incident to the facility noted above. Driver Signature, Date and Time, Authorized Signature, Date and Time.



Manifest # 956617

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 153071118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS, GROSS WEIGHT, TARE WEIGHT, GENERATOR'S PHONE, NET WEIGHT

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected. I hereby certify that the above named material does not contain free liquid...

TRANSPORTER - Company, Address, Driver, Phone Number, Truck # and License Plate, SW Haulers Permit #, Driver Signature, Date and Time

DESTINATION - I hereby certify that the above named material was delivered without incident to the facility noted above. Driver Signature, Date and Time, Authorized Signature, Date and Time

SITE



Manifest # 1249311

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 153/7/118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>153/7/118 Road 5/100</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
Signature: _____ Date and Time: _____

TRANSPORTER

Company: CV Phone Number: _____
Address: 192 Cedar St Newark NJ Truck # and License Plate: 284-AS745
Driver: Jesse Cashe SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



12

Manifest # 2241034

GLOBAL JOB NUMBER: 137637

FACILITY APPROVAL NUMBER: 15317019

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>255 EAST 38TH STREET</u> <u>BROOKLYN NY</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

1000 LBS

11-11-17

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____

Signature: _____ Date and Time: _____

TRANSPORTER

Company: CV 21 Phone Number: _____

Address: 1820 WILMINGTON ST Truck # and License Plate: HN 7774

Driver: OSCAR LONGO SW Haulers Permit #: _____ (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 11-11-17

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 939445

GLOBAL JOB NUMBER: 197031

FACILITY APPROVAL NUMBER: 2011

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS, GROSS WEIGHT, TARE WEIGHT, NET WEIGHT, GENERATOR'S PHONE

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected. I hereby certify that the above named material does not contain free liquid...

TRANSPORTER: Company, Address, Driver, Phone Number, Truck # and License Plate, SW Haulers Permit #, Driver Signature, Date and Time

DESTINATION: I hereby certify that the above named material was delivered without incident to the facility noted above. Driver Signature, Date and Time, Authorized Signature, Date and Time

SITE



Manifest # 1244500

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Keamy, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: _____	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
_____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____
Address: _____ Truck # and License Plate: _____
Driver: _____ SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1118630

GLOBAL JOB NUMBER: 127631

FACILITY APPROVAL NUMBER: 52-7116

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS, GROSS WEIGHT, TARE WEIGHT, NET WEIGHT, GENERATOR'S PHONE

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected. I hereby certify that the above named material does not contain free liquid...

TRANSPORTER - Company, Address, Driver, Phone Number, Truck # and License Plate, SW Haulers Permit #, Driver Signature, Date and Time

DESTINATION - I hereby certify that the above named material was delivered without incident to the facility noted above. Driver Signature, Date and Time, Authorized Signature, Date and Time

SITE



Manifest # 244664

GLOBAL JOB NUMBER: 103403

FACILITY APPROVAL NUMBER: 15071011

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>1515 E. 11th St / 1515 St</u> <u>1515 E. 11th St</u> <u>1515 St NY</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
Signature: _____ Date and Time: _____

TRANSPORTER

Company: SW Haulers LLC Phone Number: 1-800-258-8540
Address: 6340 Route 464, Hagerstown, MD 21740 Truck # and License Plate: 11-11-11
Driver: _____ SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1244885

GLOBAL JOB NUMBER: 1244885 FACILITY APPROVAL NUMBER: 1244885

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes checkboxes for Tons and Yards.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Title: Signature: Date and Time:

TRANSPORTER

Company: Phone Number: Address: Truck # and License Plate: Driver: SW Haulers Permit #: (Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time:

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time:

SITE



Manifest # 692382

GLOBAL JOB NUMBER: 187131

FACILITY APPROVAL NUMBER: 1597-0011

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Other, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania

Non-Hazardous Material Manifest

(Type or Print Clearly)

Generator information table including name, address, phone, gross weight, tare weight, and net weight.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law...

Signature and date fields for the generator.

TRANSPORTER

Transporter information including company, address, driver, phone number, truck #, and permit #.

I hereby certify that the above named material was picked up at the site listed above.

Driver signature and date fields for the transporter.

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver signature and date fields for the destination.

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized signature and date fields for the destination.



Manifest # 2244500

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: _____ _____ _____	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION _____ _____ _____	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
 Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____
 Address: _____ Truck # and License Plate: _____
 Driver: _____ SW Haulers Permit #: HS3 AM6807
 (Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 002383

GLOBAL JOB NUMBER: 17711

FACILITY APPROVAL NUMBER: 111 111

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Other, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight (Tons/Yards), Tare Weight (Tons/Yards), Generator's Phone, Net Weight (Tons/Yards)

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Signature: Title: Date and Time:

TRANSPORTER

Company: Address: Driver: Phone Number: Truck # and License Plate: SW Haulers Permit #:

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time:

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time:



Manifest # 939446

GLOBAL JOB NUMBER: _____

FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <i>1100 PPH</i>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
<i>1100 PPH</i>	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

<i>1100 PPH</i>
<i>1100 PPH</i>

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
 Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____
 Address: _____ Truck # and License Plate: _____
 Driver: _____ SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above:

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 937899

GLOBAL JOB NUMBER: 147631

FACILITY APPROVAL NUMBER: 150071113

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Keamy, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: 15400 15th Street 205 Lehigh Valley Blvd Allentown, PA	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE:	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

WSP 4th St, 1st St, 2nd St

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: *Diego B* Title: *Owner*
 Signature: *[Signature]* Date and Time: *11-17-15*

TRANSPORTER

Company: *SW Haulers LLC* Phone Number: *610-261-1000*
 Address: *740 Lehigh Valley Blvd, Allentown, PA 18106* Truck # and License Plate: *# 36 75261B*
 Driver: *Diego B* SW Haulers Permit #: *11-17-15*
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.
 Driver Signature: *[Signature]* Date and Time: *11-17-15*

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: *[Signature]* Date and Time: *11-17-15*

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____



Manifest # 937897

GLOBAL JOB NUMBER: 11-18-15

FACILITY APPROVAL NUMBER: 11-18-15

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS, GROSS WEIGHT, TARE WEIGHT, GENERATOR'S PHONE, NET WEIGHT

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected. I hereby certify that the above named material does not contain free liquid...

TRANSPORTER - Company, Address, Driver, Phone Number, Truck # and License Plate, SW Haulers Permit #, Driver Signature, Date and Time

DESTINATION - I hereby certify that the above named material was delivered without incident to the facility noted above. Driver Signature, Date and Time

SITE

1249464

1119865

1119869

1134245

1/15/2016

PXR 412

SCALPER

26

438

4+



Manifest # 1249464

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 153071/12

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S 61st Street
Philadelphia, PA 19153
Ph: 215-724-5620
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS 137631 E 13th St	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE 201-261-1111	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION Dirt - NY	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Robert G. ... Title: ...
 Signature: [Signature] Date and Time: 11-15-16 8:29 AM

TRANSPORTER

Company: DI - TRUCKING LLC Phone Number: 202-588-1085
 Address: 110 JACOBI ST NEW YORK Truck # and License Plate: 333 AS101T
 Driver: [Signature] SW Haulers Permit #: _____ (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 11-15-16

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature] Date and Time: 11-15-16

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1119865

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 15307118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: 35 E 138th St. GROSS WEIGHT: Tons Yards. TARE WEIGHT: Tons Yards. NET WEIGHT: Tons Yards.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected. I hereby certify that the above named material does not contain free liquid... Name: [Signature] Title: [Signature] Signature: [Signature] Date and Time: 1-15-16

TRANSPORTER Company: [Signature] Phone Number: [Signature] Address: [Signature] Truck # and License Plate: [Signature] Driver: [Signature] SW Haulers Permit #: [Signature] I hereby certify that the above named material was picked up at the site listed above. Driver Signature: [Signature] Date and Time: 1-15-16

DESTINATION I hereby certify that the above named material was delivered without incident to the facility noted above. Driver Signature: [Signature] Date and Time: 1-15-16 I hereby certify that the above named material has been accepted at the above referenced facility. Authorized Signature: [Signature] Date and Time: [Signature]



Manifest # 1119869

GLOBAL JOB NUMBER: 137631 FACILITY APPROVAL NUMBER: 20307111

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: 235 E 101 ST
GROSS WEIGHT: Tons Yards
TARE WEIGHT: Tons Yards
GENERATOR'S PHONE:
NET WEIGHT: Tons Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Signature: Title: Date and Time:

TRANSPORTER

Company: DI Trucking Phone Number:
Address: Truck # and License Plate:
Driver: SW Haulers Permit #:
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time:

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time:

SITE



Manifest # 1134245

GLOBAL JOB NUMBER: 157631

FACILITY APPROVAL NUMBER: 15307118

Please-Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: 255-138111 BROOK N.J. GROSS WEIGHT: TARE WEIGHT: NET WEIGHT:

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - I hereby certify that the above named material does not contain free liquid... Name: Title: Signature: Date and Time:

TRANSPORTER Company: D.R. TRIC RING NEWARK NJ 07102 Phone Number: 713 43210 Truck # and License Plate: SW Haulers Permit #: Driver Signature: Date and Time:

DESTINATION I hereby certify that the above named material was delivered without incident to the facility noted above. Driver Signature: Date and Time: I hereby certify that the above named material has been accepted at the above referenced facility. Authorized Signature: Date and Time:

SITE

939645

1256456

1242281

944749

1/6/2016

START

SCALPEL

8 LOADS

LOADING

TRUCKS

~~SCALPEL 8~~

TOTAL

~~412~~

~~FXR~~

+ 8

420



Manifest # 933645

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 15307118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: 138th St LLC, 255 East 138th St, BRONX NY. GROSS WEIGHT, TARE WEIGHT, NET WEIGHT sections.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

NON HAZ SOIL

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law...

Name: LATTICE, Title: URM, Signature: Ronnet, Date and Time: 11-06-16

TRANSPORTER

Company: JDC TRUCKING INC, Phone Number: 201 279 9199, Address: 75 WINDSOR ST, TRUNKY NJ, Truck # and License Plate: #8 AS813M, Driver: L. CINCERA, SW Haulers Permit #: NJ 9444

(Type or Print Clearly)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature], Date and Time: 11/6/16

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1256456

GLOBAL JOB NUMBER: 13763

FACILITY APPROVAL NUMBER: 15307119

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Generator information table with fields for Name & Site Address, Gross Weight, Tare Weight, and Net Weight.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: LATTINE, Title: DR, Signature: [Signature], Date and Time: 01-06-16 12:40

TRANSPORTER

Company: IDC TOWERS INC, Phone Number: [Blank], Address: [Blank], Truck # and License Plate: [Blank], Driver: [Blank], SW Haulers Permit #: [Blank]

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature], Date and Time: 01-06-16

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature], Date and Time: 01-06-16

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [Blank], Date and Time: [Blank]

SITE



Manifest # 1242281

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 15307118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 2 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes handwritten entries for 138th St LLC and 255 East 138th St.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Lot Tire Co, Title: [Signature], Signature: Ronnel Compouyde, Date and Time: 01-06-16

TRANSPORTER

Company: JC TRANSPORT, Phone Number: [Blank], Address: 39th Street, Truck # and License Plate: JCH 19 A5319E, Driver: LAORITO SOUSA, SW Haulers Permit #: [Blank]

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature], Date and Time: 01-06-16

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature], Date and Time: 01-06-16

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [Blank], Date and Time: [Blank]

SITE



Manifest # 944749

GLOBAL JOB NUMBER: 137431

FACILITY APPROVAL NUMBER: 153571118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: 235 E 135th St, Linden NJ
GROSS WEIGHT: Tons Yards
TARE WEIGHT: Tons Yards
GENERATOR'S PHONE:
NET WEIGHT: Tons Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION
MATERIAL: ...

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.
I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.
Name: ... Title: ...
Signature: ... Date and Time: ...

TRANSPORTER
Company: ... Phone Number: ...
Address: ... Truck # and License Plate: ...
Driver: ... SW Haulers Permit #: ...
(Type or Print Clearly) (applicable state permit #)
I hereby certify that the above named material was picked up at the site listed above.
Driver Signature: ... Date and Time: ...

DESTINATION
I hereby certify that the above named material was delivered without incident to the facility noted above.
Driver Signature: ... Date and Time: ...
I hereby certify that the above named material has been accepted at the above referenced facility.
Authorized Signature: ... Date and Time: ...

SITE



Manifest # 2242275

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 15307118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes handwritten entries for 138th St LLC and 255 East 138th St, Bronx NY.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name, Title, Signature, Date and Time fields with handwritten entries.

TRANSPORTER

Company, Address, Driver, Phone Number, Truck # and License Plate, SW Haulers Permit # fields.

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature, Date and Time fields with handwritten entries.

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature, Date and Time fields with handwritten entries.

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature, Date and Time fields.

SITE



Manifest # 939657

153071118

GLOBAL JOB NUMBER: 131631

FACILITY APPROVAL NUMBER: 1528018

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Generator's Phone, Net Weight. Includes handwritten entries for address and weight.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Handwritten entry: NON HAZ SOIL

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name, Title, Signature, Date and Time fields with handwritten entries.

TRANSPORTER

Company, Address, Driver, Phone Number, Truck # and License Plate, SW Haulers Permit # fields with handwritten entries.

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature, Date and Time fields with handwritten entries.

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature, Date and Time fields with handwritten entries.

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature, Date and Time fields with handwritten entries.

SITE



Manifest # 1259652

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 19307112

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: 13816 St LLC, GROSS WEIGHT: Tons/Yards, TARE WEIGHT: Tons/Yards, NET WEIGHT: Tons/Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Handwritten description of material and location.

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name, Title, Signature, Date and Time fields with handwritten entries.

TRANSPORTER

Company, Address, Driver, Phone Number, Truck # and License Plate, SW Haulers Permit #

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature, Date and Time fields with handwritten entries.

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature, Date and Time fields with handwritten entries.

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature, Date and Time fields with handwritten entries.

SITE



CLEAN EARTH

Manifest # **944748**

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 153071118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>293 E 124TH ST</u> <u>ELMUR NY</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

455 HWY 50
1500 HAZ

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [Signature] Title: OWNER
 Signature: [Signature] Date and Time: 07/11/16

TRANSPORTER

Company: SC HAWP Phone Number: _____
 Address: 37-91 COLLEGE ST Truck # and License Plate: 17 AS 2026
 Driver: [Signature] SW Haulers Permit #: _____
 (Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 7/11/16

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE

1246043
-45
41
44

1/12/2016

4 LOADS

22

26 SCAPPEL

412
+ 26

438



Manifest # 1246043

GLOBAL JOB NUMBER: 127633

FACILITY APPROVAL NUMBER: 157071388

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes checkboxes for Tons and Yards.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [Signature], Title: [Signature], Signature: [Signature], Date and Time: 1-12-16

TRANSPORTER

Company: [Signature], Address: [Signature], Driver: [Signature], Phone Number: [Signature], Truck # and License Plate: AP 161 M H, SW Haulers Permit #: [Signature]

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature], Date and Time: 1-12-16

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature], Date and Time: 1-12-16

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [Signature], Date and Time: [Signature]

SITE



Manifest # **1246045**

GLOBAL JOB NUMBER: 157631

FACILITY APPROVAL NUMBER: 153071110

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-8220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>CEM Co LLC / 1318 St</u> <u>255 EAST 131ST STREET</u> <u>SPRING BR</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Harold Adams Title: Asst
 Signature: Harold Adams Date and Time: 1-12-16 10:10

TRANSPORTER

Company: Starkey Express LLC Phone Number: (908) 258-0597
 Address: 701 Ramsey Ave. Hillside, NJ 07203 Truck # and License Plate: AR922E
 Driver: ABRAHAM ALZURRA SW Haulers Permit #: NJ-987 30
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.
 Driver Signature: _____ Date and Time: 1-12-16

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: 1-12-16

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1246041

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 163071118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 2 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes fields for Tons and Yards.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: KATHIE CORRI, Title: SA, Signature: KATHIE CORRI, Date and Time: 01-12-16 7:10 AM

TRANSPORTER

Company: SHIRLEY EXPRESS LLC, Address: 701 RANNEY AVE, HILLSIDE, NJ 07205, Phone Number: (908) 258-0047, Driver: BOUWMEZ, Truck # and License Plate: AT 101 M # 2, SW Haulers Permit #: NJ-0413

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature], Date and Time: 01-12-16

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Receiver Signature: [Signature], Date and Time: 01-12-16

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [Signature], Date and Time: [Blank]

SITE



Manifest # 1246044

GLOBAL JOB NUMBER: 117053 FACILITY APPROVAL NUMBER: 0230/1110

Please Check One:

- Clean Earth of Carteret, Maryland, New Castle, Greater Washington, Philadelphia, North Jersey, Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Signature: Title: Date and Time:

TRANSPORTER

Company: Address: Driver: Phone Number: Truck # and License Plate: SW Haulers Permit #: (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time:

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time:

SITE

1246678
1246671
72
77
74

1 | 11 | 2016 | 412 | FXR
SCALPEL | 8 LOADS
 $\frac{14+8}{22}$ + $\frac{426}{8}$
434



Manifest # 1246678

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 153071118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8908
- Clean Earth of Maryland
1489 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6833
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-699-0999
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5620
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other: _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: 138th St LLC/138th St	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
255 East 138th St, Bronx, NY 10029	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: Joe Vitale 212-996-6540	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Lorraine Giusi Title: Site Rep
Signature: [Signature] Date and Time: Jan 11, 2016 10:12 AM

TRANSPORTER

Company: **Valiant Contracting, LLC** Phone Number: **973-234-5668**
Address: **123 Howard Blvd, Ledgewood, NJ 07652** Truck # and License Plate: **HR 1960**
Driver: [Signature] SW Haulers Permit #: _____ (applicable state permit #)
(Type or Print Clearly)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 1/11/16

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature] Date and Time: 1/11/16

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1246571

GLOBAL JOB NUMBER: 137831

FACILITY APPROVAL NUMBER: 153071110

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: 138th St LLC / 138th St 255 East 138th St, Bronx, NY 10029	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: <u>Jon Vitale 312-995-6640</u>	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [Signature] Title: [Signature]
 Signature: [Signature] Date and Time: 12/11/16

TRANSPORTER

Company: Valiant Contracting, LLC Phone Number: 973-234-5668
 Address: 123 Howard Blvd, Ledgewood, NJ 07052 Truck # and License Plate: 111 176 0
 Driver: [Signature] SW Haulers Permit #: _____
 (Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 1/11/16

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature] Date and Time: 1/11/16

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1240672

GLOBAL JOB NUMBER: 137631 FACILITY APPROVAL NUMBER: 153071110

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 2 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes handwritten address: 130th St, LLC/138th St, 255 East 130th St, Brown, NY 10029.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Lattice Snc Title: Date and Time: 1-11-16 10:00 AM

TRANSPORTER

Company: Valiant Contracting, LLC #45151 Phone Number: 972-234-5668
Address: 123 Howard Blvd, Ledgewood, NJ/07157 Truck # and License Plate: 26 1026 H13
Driver: [Signature] SW Haulers Permit #: (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 1-11-16

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature] Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time:

SITE



Manifest # 1246677

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 153071116

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: 138th St LLC / 138th St, 255 East 138th St, Bronx, NY 10029. GROSS WEIGHT, TARE WEIGHT, NET WEIGHT sections.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Kumpul Construction, Title: President, Signature: [Handwritten], Date and Time: 11-16-09

TRANSPORTER

Company: Valiant Contracting, LLC, Address: 123 Howard Blvd, Ledgewood, NJ 07032, Phone Number: 973-234-5568, Driver: [Handwritten]

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Handwritten], Date and Time: 11-16-09

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Handwritten], Date and Time: 11-16-09

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [Handwritten], Date and Time: 11-16-09

SITE



Manifest # 1240074

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 153071116

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other.

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 2 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law...

Name: [Signature], Title: [Signature], Signature: [Signature], Date and Time: 01-11-16

TRANSPORTER

Company: Valiant Contracting, LLC, Phone Number: 973-234-5668, Address: 123 Howard Blvd, Ledgewood, NJ 07852, Truck # and License Plate: #09 AC 5911

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature], Date and Time: 01-11-16

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature], Date and Time: 01-11-16

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1246676

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 153071116

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 2 columns: Generator Information (Name, Address, Phone) and Weight Information (Gross, Tare, Net weight in Tons/Yards)

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected. I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law...

Name: [Signature] Title: [Signature] Signature: [Signature] Date and Time: 1-11-16

TRANSPORTER Company: Valent Contracting, LLC. Phone Number: 973-234-5668 Address: 123 Howard Blvd, Ledgewood, NJ 07852 Driver: [Signature] SW Haulers Permit #: [Signature]

I hereby certify that the above named material was picked up at the site listed above. Driver Signature: [Signature] Date and Time: 1/11/16

DESTINATION I hereby certify that the above named material was delivered without incident to the facility noted above. Driver Signature: [Signature] Date and Time: [Signature] I hereby certify that the above named material has been accepted at the above referenced facility. Authorized Signature: [Signature] Date and Time: 1/11/16

SITE



Manifest # 1246675

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 153071118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 2 columns: Generator Information (Name, Address, Phone) and Weight Information (Gross, Tare, Net weight in Tons/Yards)

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law...

Name: LARRY G. ... Title: ... Date and Time: 11-16 10:50 AM

TRANSPORTER

Company: Valiant Contracting, LLC, Phone Number: 973-234-5668, Address: 123 Howard Blvd, Ladgewood, NJ 07052

Driver Signature: [Signature] Date and Time: 11-16

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature] Date and Time: 11-16

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [Signature] Date and Time: [Blank]

SITE



Manifest # 1246073

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 153071118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: 130th SL LLC / 130th SL 255 East 130th St, Bronx, NY 10029	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: Joe Vitale 212-306-6640	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Joseph Vitale Title: Waste
 Signature: Joseph Vitale Date and Time: 1-11-13

TRANSPORTER

Company: Valiant Contracting, LLC Phone Number: 973-234-5566
 Address: 123 Howard Blvd, Ledgewood, NJ 07852 Truck # and License Plate: 112 1731 113
 Driver: [Signature] SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 1-11-13

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE

939646
939647

1/8/2016

SCALPEL
LOADS

11
+ 2

13

TOTAL

424
+ 2

426



Manifest # 939646

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 15307118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other.

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 2 columns: Generator Information (Name, Address, Phone) and Weight Information (Gross, Tare, Net weight in Tons/Yards).

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

NON HAZ SOIL

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law...

Name: LARRY SAIT, Title: Owner, Signature: Rental Company, Date and Time: 1-08-16 7:15 AM

TRANSPORTER

Company: JDC TRUCKING INC, Phone Number: 201 279 9999, Address: 75 WINDSOR ST KEARNY NJ, Truck # and License Plate: # 3 NJ 517R, Driver: SKIP, SW Haulers Permit #: NJ 92117

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: SKIP, Date and Time: 1/8/16

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____, Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____, Date and Time: _____

SITE



Manifest # 939647

GLOBAL JOB NUMBER: 137637 FACILITY APPROVAL NUMBER: 15707111 3

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: 138th St LLC / 138th St, 255 East 138th St, Brooklyn NY. GROSS WEIGHT, TARE WEIGHT, NET WEIGHT sections.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION: NON HAZ SOIL

GENERATOR'S CERTIFICATION - I hereby certify that the above named material does not contain free liquid... Name: LATTIVE, Title: MS, Date and Time: 1-08-16 7:05 AM

TRANSPORTER: Company: DDO TRUCKING INC, Phone Number: 201-279-9999, Address: 75 WILSON ST KEARNY NJ, Truck # and License Plate: #8 A2812H, Driver: C. CUNEO, SW Haulers Permit #: NJ 5441

I hereby certify that the above named material was picked up at the site listed above. Driver Signature: [Signature], Date and Time: 1/8/16

DESTINATION: I hereby certify that the above named material was delivered without incident to the facility noted above. Driver Signature: [Signature], Date and Time: [Blank]. I hereby certify that the above named material has been accepted at the above referenced facility. Authorized Signature: [Blank], Date and Time: [Blank]

SITE

1259685
784936
1259653
1259686

1/7/2016 SCALPER

4 LOADS SCALPER TOTAL 420
SCALPER 11 LOADS TOTAL 424

420



Manifest # 1259686

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 15307118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-8633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>1384 St 110</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
<u>255 East 125th St</u>	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
<u>Brooklyn NY</u>	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Now Hazard

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Robert J. [Signature] Title: Owner

Signature: [Signature] Date and Time: 1/7/16

TRANSPORTER

Company: [Signature] Phone Number: 215-749-9989

Address: [Signature] Truck # and License Plate: 3-A5702D

Driver: [Signature] SW Haulers Permit #: 153941
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 1/7/16

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 2259653

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 153091118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: 13814 St LLC, 295 East 138th St, Bronx, NY. GROSS WEIGHT: Tons/Yards. TARE WEIGHT: Tons/Yards. NET WEIGHT: Tons/Yards.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Haz

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Signature: Title: Date and Time:

TRANSPORTER

Company: Address: Driver: Phone Number: Truck # and License Plate: SW Haulers Permit #:

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time:

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time:

SITE



Manifest # 784936

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 153071116

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Other, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 2 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes handwritten entries for generator name and weight.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Haz

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [Signature], Title: [Signature], Signature: [Signature], Date and Time: [Signature]

TRANSPORTER

Company: J. BRANDA, Address: NEWARK NJ, Driver: [Signature], Phone Number, Truck # and License Plate, SW Haulers Permit #

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature], Date and Time: 01/07/16

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature, Date and Time

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature, Date and Time

SITE



Manifest # 259685

GLOBAL JOB NUMBER: 137631 FACILITY APPROVAL NUMBER: 153071118

Please Check One:

- Clean Earth of Carteret, Philadelphia, North Jersey, Maryland, New Castle, Greater Washington, Southeast Pennsylvania, etc.

Non-Hazardous Material Manifest

(Type or Print Clearly)

Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight, Generator's Phone

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

New Harz

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law...

Name, Title, Signature, Date and Time

TRANSPORTER

Company, Address, Driver, Phone Number, Truck # and License Plate, SW Haulers Permit #

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature, Date and Time

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature, Date and Time

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature, Date and Time

SITE



Manifest # 1294930

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 152971118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Title: Signature: Date and Time:

TRANSPORTER

Company: Phone Number: Address: Truck # and License Plate: Driver: SW Haulers Permit #: (Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time:

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time:

SITE



Manifest # 1294923

GLOBAL JOB NUMBER: 127601 FACILITY APPROVAL NUMBER: 052071131

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes checkboxes for Tons and Yards.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Title: Signature: Date and Time:

TRANSPORTER

Company: Shirex Express LLC Phone Number: 19081758-0597 Address: 702 Ramsey Ave, Hillside, NJ 07205 Truck # and License Plate: A5240 V-42 Driver: Driver Signature: (Type or Print Clearly) SW Haulers Permit #: NJ-983 (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time:

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time:

SITE



Manifest # 1294328

GLOBAL JOB NUMBER: 137631 FACILITY APPROVAL NUMBER: 152091111

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes handwritten entries for generator name and address.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected. I hereby certify that the above named material does not contain free liquid... Name: Signature: Title: Date and Time:

TRANSPORTER Company: Address: Driver: Phone Number: Truck # and License Plate: SW Haulers Permit #: (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above. Driver Signature: Date and Time:

DESTINATION I hereby certify that the above named material was delivered without incident to the facility noted above. Driver Signature: Date and Time: I hereby certify that the above named material has been accepted at the above referenced facility. Authorized Signature: Date and Time:

SITE



Manifest # 1294927

GLOBAL JOB NUMBER: 137631 FACILITY APPROVAL NUMBER: 153071111

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes handwritten entries for generator name and address.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [Signature] Title: [Signature] Signature: [Signature] Date and Time: 5/20/16

TRANSPORTER

Company: NUTICE EXPRESS LLC Phone Number: 19081258-0397 Address: 702 Ramsey Ave. Hillside, NJ 07205 Truck # and License Plate: 14 A9751U Driver: [Signature] SW Haulers Permit #: [Signature]

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 5-20-16

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1294926

GLOBAL JOB NUMBER: 137631 FACILITY APPROVAL NUMBER: 153071131

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes handwritten entries for generator name and address.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [Signature] Title: [Signature] Signature: [Signature] Date and Time: 5/20/16

TRANSPORTER

Company: Shady Express LLC Phone Number: 908-258-0507 Address: 702 Ramsey Ave, Lumberton, NJ 07206 Truck # and License Plate: 04-AP494Y Driver: Carlos SW Haulers Permit #: [Signature] (Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 5-20-16

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1294925

GLOBAL JOB NUMBER: 137631 FACILITY APPROVAL NUMBER: 153071111

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GROSS WEIGHT: TARE WEIGHT: NET WEIGHT: (Includes checkboxes for Tons and Yards)

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected. I hereby certify that the above named material does not contain free liquid... Name: Title: Signature: Date and Time:

TRANSPORTER Company: Phone Number: Address: Truck # and License Plate: Driver: SW Haulers Permit #: I hereby certify that the above named material was picked up at the site listed above. Driver Signature: Date and Time:

DESTINATION I hereby certify that the above named material was delivered without incident to the facility noted above. Driver Signature: Date and Time: I hereby certify that the above named material has been accepted at the above referenced facility. Authorized Signaturc: Date and Time:

SITE



Manifest # 1294824

GLOBAL JOB NUMBER: 137631 FACILITY APPROVAL NUMBER: 153071113

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes handwritten address: 755 Route 138th St, Bronx NY.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [Signature] Title: [Signature] Signature: [Signature] Date and Time: 5/20/16

TRANSPORTER

Company: Shilley Express LLC Phone Number: (800) 251-2017 Address: 702 Ramsey Ave, Hightstown, NJ 07205 Truck # and License Plate: 36A 85336B Driver: [Signature] SW Haulers Permit #: NJ 093

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 5.20.16

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature] Date and Time: 5.20.16

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [Signature] Date and Time: [Signature]

SITE



Manifest # 1294923

GLOBAL JOB NUMBER: 157631 FACILITY APPROVAL NUMBER: 15767118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes handwritten entries for generator name and address.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected. I hereby certify that the above named material does not contain free liquid... Name: Signature: Title: Date and Time:

TRANSPORTER Company: Address: Driver: Phone Number: Truck # and License Plate: SW Haulers Permit #: I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time:

DESTINATION I hereby certify that the above named material was delivered without incident to the facility noted above. Driver Signature: Date and Time: I hereby certify that the above named material has been accepted at the above referenced facility. Authorized Signature: Date and Time:

SITE



Manifest # 1294922

GLOBAL JOB NUMBER: 127671 FACILITY APPROVAL NUMBER: 12767138

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: GENERATOR'S NAME & SITE ADDRESS, GROSS WEIGHT, TARE WEIGHT, NET WEIGHT. Includes handwritten address in Bronx, NY.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [Signature], Title: [Signature], Signature: [Signature], Date and Time: 5/20/16 10:09 AM

TRANSPORTER

Company: Shirley Express LLC, Phone Number: (908) 258-0597, Address: 702 Ruppberg Ave, Hillside, NJ 07205, Truck # and License Plate: H10 AS-810 V, Driver: [Signature], SW Haulers Permit #: NJ-9823

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature], Date and Time: 5/20/16

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature], Date and Time: 5/20/16

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [Signature], Date and Time: [Signature]

SITE



Manifest # 1294920

GLOBAL JOB NUMBER: 137601 FACILITY APPROVAL NUMBER: 05307113

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: GENERATOR'S NAME & SITE ADDRESS, GROSS WEIGHT, TARE WEIGHT, NET WEIGHT. Includes handwritten entries for generator name and address.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non Haz

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Lemire Construction Title: Super 20 YDS fill
Signature: [Signature] Date and Time: 5-20-16 10:22

TRANSPORTER

Company: Starkey Express LLC Phone Number: 708-251-8587
Address: 202 Ramsey Ave, Hillside, NJ 07035 Truck # and License Plate: AS1252 #06
Driver: [Signature] SW Haulers Permit #: NJ-9812

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 5/20/16

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature] Date and Time: 5/20/16

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [Signature] Date and Time: [Signature]

SITE

GLOBAL JOB NUMBER: 157681 FACILITY APPROVAL NUMBER: 1530714111
Please Check One:

- | | | | |
|------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909 | <input type="checkbox"/> Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220 | <input type="checkbox"/> Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633 | <input type="checkbox"/> Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939 |
| <input type="checkbox"/> Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520 | <input type="checkbox"/> Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004 | <input type="checkbox"/> Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700 | <input type="checkbox"/> Other _____ |

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: 123RD ST & 147TH ST 755 East 138th St Bronx, NY	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non Haz

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: <u>Leiting Construction</u>	Title: <u>Super 20 DE</u>
Signature: <u>Ramon Chavarro DE</u>	Date and Time: <u>5/20/16 10:30 AM</u>

TRANSPORTER

Company: <u>Shirley Express LLC</u>	Phone Number: <u>19081 258-0597</u>
Address: <u>702 Ramsey Ave, Hillside, NJ 07205</u>	Truck # and License Plate: <u>211 AS 837B</u>
Driver: <u>Jeffrey Lopez</u> (Type or Print Clearly)	SW Haulers Permit #: _____ (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: <u>[Signature]</u>	Date and Time: <u>5/20/16</u>
--------------------------------------	-------------------------------

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: <u>[Signature]</u>	Date and Time: <u>5/20/16</u>
--------------------------------------	-------------------------------

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____	Date and Time: _____
-----------------------------	----------------------



Manifest # 1294921

GLOBAL JOB NUMBER: 137631 FACILITY APPROVAL NUMBER: 153071118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: 137th St LLC (137th St) 255 Barge 138th St Bronx, NY
GROSS WEIGHT: Tons Yards
TARE WEIGHT: Tons Yards
NET WEIGHT: Tons Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION
NPH Hoys

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.
I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.
Name: Robert Cole Title: Supervisor
Signature: Robert Cole Date and Time: 6-20-16 10:46 AM

TRANSPORTER
Company: Shirex Express LLC Phone Number: 1908 258-0597
Address: 702 Ramsey Ave Millside, NJ 07205 Truck # and License Plate:
Driver: SW Haulers Permit #: NJ-983
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time:

DESTINATION
I hereby certify that the above named material was delivered without incident to the facility noted above.
Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time:

SITE



Manifest # 1294918

GLOBAL JOB NUMBER: 127631 FACILITY APPROVAL NUMBER: 155071138

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes handwritten entries for generator name and address.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION. Handwritten entry: Non Haz.

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected. I hereby certify that the above named material does not contain free liquid... Name: Lettice Conner, Title: Supervisor, Date and Time: 5-20-16 11:00 AM

TRANSPORTER. Company: Shirley Express LLC, Phone Number: 10011258-8587, Truck # and License Plate: A5740V (42), Driver: [Signature], Date and Time: 5-20-16

DESTINATION. I hereby certify that the above named material was delivered without incident to the facility noted above. Driver Signature: [Signature], Date and Time: 5-20-16. I hereby certify that the above named material has been accepted at the above referenced facility. Authorized Signature: [Signature], Date and Time: [Signature]

SITE



Manifest # 1294916

GLOBAL JOB NUMBER: 137641 FACILITY APPROVAL NUMBER: 152071122

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes handwritten entries for generator name and address.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Handwritten: Non-Haz

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Letrice Construction Title: Date and Time: 5/20/16

TRANSPORTER

Company: Shirley Express LLC Phone Number: 19081258-0597
Address: 702 Ramsey Ave, Hillside, NJ 07205 Truck # and License Plate: #20 AS-257 P
Driver: Luis Figueroa SW Haulers Permit #: NJ-983

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 5/20/16

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time:

SITE



Manifest # 1294315

GLOBAL JOB NUMBER: 117621 FACILITY APPROVAL NUMBER: 152071318

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: 1738th St LLC / 1738th St, 255 (base) 1738th St, Geddes, NY. GROSS WEIGHT: Tons Yards. TARE WEIGHT: Tons Yards. NET WEIGHT: Tons Yards.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION: Non Haz

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected. I hereby certify that the above named material does not contain free liquid... Name: Latine Construction, Title: Super 2025, Signature: [Signature], Date and Time: 5-20-16 11:25 AM

TRANSPORTER: Company: Shifley Express LLC, Phone Number: 1908 258-0597, Address: 702 Ramsey Ave, Hillside, NJ 07205, Truck # and License Plate: 04-AP4947, Driver: Carlos, SW Haulers Permit #: NJ-983 SHIFLEY. I hereby certify that the above named material was picked up at the site listed above. Driver Signature: [Signature], Date and Time: 5-20-16

DESTINATION: I hereby certify that the above named material was delivered without incident to the facility noted above. Driver Signature: [Signature], Date and Time: [Signature]. I hereby certify that the above named material has been accepted at the above referenced facility. Authorized Signature: [Signature], Date and Time: [Signature]

SITE



Manifest # 1294914

GLOBAL JOB NUMBER: 1294914 FACILITY APPROVAL NUMBER: 153071131

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight, Generator's Phone

Description of Material/Sample ID and Location

Generator's Certification - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected. I hereby certify that the above named material does not contain free liquid...

Transporter - Company, Address, Driver, Phone Number, Truck # and License Plate, SW Haulers Permit #

I hereby certify that the above named material was picked up at the site listed above. Driver Signature, Date and Time

Destination - I hereby certify that the above named material was delivered without incident to the facility noted above. Driver Signature, Date and Time. I hereby certify that the above named material has been accepted at the above referenced facility. Authorized Signature, Date and Time

SITE



Manifest # 1294917

GLOBAL JOB NUMBER: 137631 FACILITY APPROVAL NUMBER: 353071111

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes handwritten address in Bronx, NY and weight selection boxes.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Handwritten description: How Haz

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law...

Name: [Signature], Title: Sup, Signature: [Signature], Date and Time: 5-20-16 12:40 PM

TRANSPORTER

Company: Shifley Express LLC, Phone Number: (908) 258-0597, Address: 702 Bantsey Ave, Hillside, NJ 07205, Truck # and License Plate: 20 A17740E, Driver: [Signature], SW Haulers Permit #: NJ-982

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature], Date and Time: 5-20-16

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature], Date and Time: 5-20-16

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [Signature], Date and Time: [Signature]

SITE



CLEAN EARTH

① Truck

5-20-16

Manifest # 1233374

GLOBAL JOB NUMBER: 137631/153030055

FACILITY APPROVAL NUMBER: PPNJ #100915-0352

PROJECT #15-113

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other PPark NJ LLC
100 Planten Ave
Prospect Park NJ 07508

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>255 East 138th Street</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
<u>255 East 138th</u>	TARE WEIGHT:
<u>Bronx NY 10451</u>	<input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: <u>347-498-4914</u>	NET WEIGHT:
	<input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non Regulated Material, Non DOT, Non-RCRA, NJ SRS Residential Clean Soil.

Approved Grids-CIRCLE ANY THAT APPLY. WC-11 (10'-15') WC-16 (15'-20')

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Ronald Compuente Title: LOL
 Signature: Ronald Compuente Date and Time: 5-20-16 - 6:30 AM

TRANSPORTER

Company: PPark NJ LLC Phone Number: _____
 Address: 100 Planten Ave Truck # and License Plate: 123456789
 Driver: LOL SW Haulers Permit #: _____
 (Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: LOL Date and Time: 5/20/16

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1294933

GLOBAL JOB NUMBER: 137811 FACILITY APPROVAL NUMBER: 15307118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 2 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes handwritten address: 1378th St LLC, 1378th St, Bronx, NY.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected. I hereby certify that the above named material does not contain free liquid... Name: [Signature], Title: [Signature], Date and Time: [Signature]

TRANSPORTER: Company: SBIRCOY Express LLC, Phone Number: (908) 258-0597, Address: 702 Ramsey Ave, Hillside, NJ 07205, Truck # and License Plate: 2A-1A57962, Driver: [Signature], SW Haulers Permit #: NJ-983. I hereby certify that the above named material was picked up at the site listed above. Driver Signature: [Signature], Date and Time: 5-23-16

DESTINATION: I hereby certify that the above named material was delivered without incident to the facility noted above. Driver Signature: [Signature], Date and Time: 5-23-16. I hereby certify that the above named material has been accepted at the above referenced facility. Authorized Signature: [Signature], Date and Time: [Signature]

SITE



Manifest # 1294934

GLOBAL JOB NUMBER: 157601 FACILITY APPROVAL NUMBER: 1530711111

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes checkboxes for Tons and Yards.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Title: Signature: Date and Time:

TRANSPORTER

Company: Starkey Express LLC, Phone Number: (908) 258-0597, Address: 702 Ramsey Ave, Hightstown, NJ 07205, Truck # and License Plate: NJ-983, Driver: (Type or Print Clearly), SW Haulers Permit #: (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time:

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time:

SITE



Manifest # 1294932

GLOBAL JOB NUMBER: 137631 FACILITY APPROVAL NUMBER: 153071111

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other: _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>13300 SELLICOT / 13300 ST</u> <u>355 Route 13800 St</u> <u>Byron, NY</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards	
	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards	
GENERATOR'S PHONE: _____	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
Signature: _____ Date and Time: _____

TRANSPORTER

Company: Shirley Express LLC Phone Number: (908) 258-0507
Address: 702 Ramsey Ave, Hillsdale, NJ 07205 Truck # and License Plate: 1372 SHL
Driver: _____ SW Haulers Permit #: NJ-083
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1294931

GLOBAL JOB NUMBER: 137601 FACILITY APPROVAL NUMBER: 153071118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes handwritten address: 755 Route 1380 St, Bronx, NY.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Signature: Title: Date and Time:

TRANSPORTER

Company: Shirley Express LLC, Address: 702 Ramsey Ave, Phone Number: (908) 258-0597, Truck # and License Plate: 21 ACF3713, Driver: Jeffrey Board, SW Haulers Permit #: NJ-983

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 5/28/16

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time: 5/28/16

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time:

SITE



23

Manifest # 1295046

GLOBAL JOB NUMBER: 137631 FACILITY APPROVAL NUMBER: 153071118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Generator's Phone, Net Weight

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law...

Name: Signature: Title: Date and Time:

TRANSPORTER

Company: Address: Driver: Phone Number: Truck # and License Plate: SW Haulers Permit #:

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time:

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time:

SITE



Manifest # 1295044

GLOBAL JOB NUMBER: 137631 FACILITY APPROVAL NUMBER: 153071118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes checkboxes for Tons and Yards.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected. I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10...

TRANSPORTER - Company, Address, Driver, Phone Number, Truck # and License Plate, SW Haulers Permit #

I hereby certify that the above named material was picked up at the site listed above. Driver Signature: Diego Aguilera Date and Time: 6-30-16

DESTINATION - I hereby certify that the above named material was delivered without incident to the facility noted above. Driver Signature: Date and Time: I hereby certify that the above named material has been accepted at the above referenced facility. Authorized Signature: Date and Time:

SITE



Manifest # 1295043

GLOBAL JOB NUMBER: 137631 FACILITY APPROVAL NUMBER: 153971118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes checkboxes for Tons and Yards.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Signature: Title: Date and Time:

TRANSPORTER

Company: Address: Driver: Phone Number: Truck # and License Plate: SW Haulers Permit #:

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time:

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time:

SITE



Manifest # 1295042

GLOBAL JOB NUMBER: 137631 FACILITY APPROVAL NUMBER: 153071118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes handwritten entries for generator name and address.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION -- Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Signature: Title: Date and Time: (Handwritten: Super 2090, 5/31/16)

TRANSPORTER

Company: Address: Driver: Phone Number: Truck # and License Plate: SW Haulers Permit #: (Handwritten: Shree Express LLC, 702 Ramsey Ave., Trenton, NJ 07205, 19081258-0597, 23774-24)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: (Handwritten: 5/31/16)

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time:



Manifest # 1295041

GLOBAL JOB NUMBER: 137631 FACILITY APPROVAL NUMBER: 153071118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes handwritten entries for generator name and address.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [Signature] Title: [Signature] Signature: [Signature] Date and Time: 5/31/16

TRANSPORTER

Company: [Signature] Phone Number: [Signature] Address: [Signature] Truck # and License Plate: [Signature] Driver: [Signature] SW Haulers Permit #: [Signature]

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: [Signature]

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature] Date and Time: [Signature]

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [Signature] Date and Time: [Signature]

SITE



Manifest # 1295040

GLOBAL JOB NUMBER: 137631 FACILITY APPROVAL NUMBER: 153071118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes checkboxes for Tons and Yards.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non Haz

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: LETTERE CONST Title: Super 20/6
Signature: Ronnel Campover Date and Time: 05/31/16

TRANSPORTER

Company: Starkey Express LLC Phone Number: 19081258-0597
Address: 702 Ramsey Ave. Hillside, NJ 07205 Truck # and License Plate: 7220 AS-959 P
Driver: Luis Figueroa SW Haulers Permit #: (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 5/31/16

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time:

SITE

GLOBAL JOB NUMBER: 137631 FACILITY APPROVAL NUMBER: 15307118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Keamy, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>LETTRE Const</u> <u>755 Route 1300 St</u> <u>Brook NY</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non Haz

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: LETTRE Const Title: Scout 2017
 Signature: Ronald Cony Date and Time: 05/31/16

TRANSPORTER

Company: Shirley Express LLC Phone Number: 1904 258 0590
 Address: 722 Rambo Ave, Hillside, NJ 07035 Truck # and License Plate: 7S 83873 #40
 Driver: George Lettore SW Haulers Permit #: MI 903
 (Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 5-31-16

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____



Manifest # 1295038

GLOBAL JOB NUMBER: 137631 FACILITY APPROVAL NUMBER: 152071118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GROSS WEIGHT: TARE WEIGHT: NET WEIGHT: GENERATOR'S PHONE:

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION: Non Haz

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected. I hereby certify that the above named material does not contain free liquid... Name: LETTICE, Title: SUPER, Date and Time: 5-31-16

TRANSPORTER: Company: Shirey Express LLC, Phone Number: 190812510597, Truck # and License Plate: 1A 117524, Driver: Christian, SW Haulers Permit #: (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above. Driver Signature: [Signature], Date and Time: 5-31-16

DESTINATION: I hereby certify that the above named material was delivered without incident to the facility noted above. Driver Signature: [Signature], Date and Time: [Blank]. I hereby certify that the above named material has been accepted at the above referenced facility. Authorized Signature: [Blank], Date and Time: [Blank]

SITE



Manifest # 1295037

GLOBAL JOB NUMBER: 127531 FACILITY APPROVAL NUMBER: 153071381

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes checkboxes for Tons and Yards.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

NON HAZ

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: LETTIERE Concl Title: SUPER 20/9
Signature: Ronald Campover Date and Time: 5-03-16

TRANSPORTER

Company: Shirley Express LLC Phone Number: 1908-221-9999
Address: 702 Railway Ave, Hightstown, NJ 08520 Truck # and License Plate: AS740U-42
Driver: 09796 SW Haulers Permit #: (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: AP Date and Time: 5-31-16

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: AP Date and Time: 5-31-16

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time:

SITE



Manifest # 1295036

GLOBAL JOB NUMBER: 137631 FACILITY APPROVAL NUMBER: 152071118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 rows and 2 columns: GENERATOR'S NAME & SITE ADDRESS, GROSS WEIGHT, TARE WEIGHT, NET WEIGHT.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

NON Haz

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: LETTICE, Title: SUPERVISOR, Signature: RONNIE COMPONATO, Date and Time: 5-31-16

TRANSPORTER

Company: SHIPLEY EXPRESS LLC, Phone Number: 908-250-9577, Address: 4400 SW MILLSIDE, NJ 07035, Truck # and License Plate: 2D4P5826B, Driver: [Signature], SW Haulers Permit #: [Blank]

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature], Date and Time: 5-31-16

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature], Date and Time: 5-31-16

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [Signature], Date and Time: [Blank]

SITE

GLOBAL JOB NUMBER: 137631 FACILITY APPROVAL NUMBER: 152071118
Please Check One:

- | | | | |
|------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909 | <input type="checkbox"/> Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220 | <input type="checkbox"/> Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633 | <input type="checkbox"/> Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939 |
| <input type="checkbox"/> Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520 | <input type="checkbox"/> Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004 | <input type="checkbox"/> Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700 | <input type="checkbox"/> Other _____ |

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>LETITRE CONST</u> <u>75 R. Route 138th St</u> <u>Bronx NY</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION
Non Haz
GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

 Name: LETITRE CONST Title: Suppr 20/11
 Signature: Rommel Comoverdc Date and Time: 5-31-16
TRANSPORTER

 Company: Shirley Express LLC Phone Number: _____
 Address: 75 R. Route 138th St Truck # and License Plate: 21 A3837B
 Driver: Jeffrey Leonard SW Haulers Permit #: NL097
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

 Driver Signature: _____ Date and Time: 5/31/16
DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

 Driver Signature: _____ Date and Time: 5/31/16

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____



Manifest # 1295034

GLOBAL JOB NUMBER: 137631 FACILITY APPROVAL NUMBER: 158071318

Please Check One:

- Clean Earth of Carteret (checked), Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other.

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 2 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes handwritten entries for generator name and phone number.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION. Handwritten entry: Non Haz.

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected. I hereby certify that the above named material does not contain free liquid... Name: LETTICE CONSTRUCTION, Title: Super, Date and Time: 5-31-16.

TRANSPORTER. Company: Shirley Express LLC, Phone Number: (908) 251-0597, Truck # and License Plate: 17 A1356A, Driver: [Signature], Date and Time: 5-31-16.

DESTINATION. I hereby certify that the above named material was delivered without incident to the facility noted above. Driver Signature: [Signature], Date and Time: 5-31-16. I hereby certify that the above named material has been accepted at the above referenced facility. Authorized Signature: [Signature], Date and Time: [Signature].

SITE



Manifest # 1295033

GLOBAL JOB NUMBER: 137631 FACILITY APPROVAL NUMBER: 153071118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes checkboxes for Tons and Yards.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION
Non Haz

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected. I hereby certify that the above named material does not contain free liquid... Name: LETTICE Conch, Title: Super, Date and Time: 5-31-16

TRANSPORTER Company: (A.H.S.), Phone Number: 109453067, Truck # and License Plate: #69, SW Haulers Permit #: 811082. Driver Signature: [Signature], Date and Time: 5/31/16

DESTINATION I hereby certify that the above named material was delivered without incident to the facility noted above. Driver Signature: [Signature], Date and Time: 5/31/16. I hereby certify that the above named material has been accepted at the above referenced facility. Authorized Signature: [Signature], Date and Time: [Signature]

SITE



Manifest # 1295032

GLOBAL JOB NUMBER: 137631 FACILITY APPROVAL NUMBER: 153071118

Please Check One:

- Clean Earth of Carteret (checked), Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes handwritten address: 255 Canal Street, Bronx, NY.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

NON HAZ

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: LETTIERE Concret Title: Supr 20/14
Signature: Ramon Compendo Date and Time: 5-31-16

TRANSPORTER

Company: Starkey Express LLC Phone Number:
Address: 702 Ramsey Ave. Hightstown, NJ 08520 Truck # and License Plate: 89-AP494Y
Driver: Carlos SW Haulers Permit #: (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Carlos Date and Time: 5-31-16

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time:

SITE



Manifest # 1295031

GLOBAL JOB NUMBER: 127631 FACILITY APPROVAL NUMBER: 153071118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 rows and 2 columns: GENERATOR'S NAME & SITE ADDRESS, GROSS WEIGHT, TARE WEIGHT, NET WEIGHT.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION: Non Hazard

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected. I hereby certify that the above named material does not contain free liquid... Name: LETTICE GUYTON, Title: Supv. 20/15, Signature: K... Date and Time: 5-31-16

TRANSPORTER: Company: SHIRLEY EXPRESS LLC, Phone Number: 1509-258-0559, Address: 702... Truck # and License Plate: #36 A5761B, Driver: DB, SW Haulers Permit #: NJ 092

I hereby certify that the above named material was picked up at the site listed above. Driver Signature: X DB, Date and Time: 05-31-16

DESTINATION: I hereby certify that the above named material was delivered without incident to the facility noted above. Driver Signature: DB, Date and Time: 05-31-16. I hereby certify that the above named material has been accepted at the above referenced facility. Authorized Signature: Date and Time:

SITE



Manifest # 1295030

GLOBAL JOB NUMBER: 137631 FACILITY APPROVAL NUMBER: 153071111

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes checkboxes for Tons and Yards.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION
Non Haz

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: LETTERS CONSULT Title: SUPER Date and Time: 5-31-16
Signature: Ronit G... Date and Time: 5-31-16

TRANSPORTER

Company: Shirley Express LLC Phone Number:
Address: 702 Ramsey Ave, Hillsdale, NJ 07205 Truck # and License Plate: AT355A
Driver: (Type or Print Clearly) SW Haulers Permit #: (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: X Date and Time: 5-31-16

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: AV Date and Time: 5-31-16

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time:

SITE



Manifest # 1295029

GLOBAL JOB NUMBER: 137631 FACILITY APPROVAL NUMBER: 153071 FIR

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Form with fields for GENERATOR'S NAME & SITE ADDRESS, GROSS WEIGHT, TARE WEIGHT, NET WEIGHT, and GENERATOR'S PHONE.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION: Non Haz

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected. I hereby certify that the above named material does not contain free liquid... Name: Lettice Conestro, Title: Super. 20/17, Signature: Rounel Campoverde, Date and Time: 5-31-16

TRANSPORTER: Company: Shirley Express LLC, Phone Number: 408-238-0545, Address: 102 Ramsey Ave, Truck # and License Plate: AS 124 L, Driver: Diego Agudelo, SW Haulers Permit #: NJ 003

I hereby certify that the above named material was picked up at the site listed above. Driver Signature: X Diego Agudelo, Date and Time: 5-31-16

DESTINATION: I hereby certify that the above named material was delivered without incident to the facility noted above. Driver Signature: Date and Time: I hereby certify that the above named material has been accepted at the above referenced facility. Authorized Signature: Date and Time:

SITE



Manifest # 1295028

GLOBAL JOB NUMBER: 137631 FACILITY APPROVAL NUMBER: 153071131

Please Check One:

- Clean Earth of Carteret (checked), Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes handwritten entries for generator name and weights.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION. Handwritten: Non Hazardous

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected. I hereby certify that the above named material does not contain free liquid... Name: LETTICE Carriere, Title: Super, Date and Time: 5-21-16

TRANSPORTER. Company: Source Express LLC, Phone Number: 732-382-2400, Truck # and License Plate: 12B3529, SW Haulers Permit #: 153071131. I hereby certify that the above named material was picked up at the site listed above. Driver Signature: [Signature], Date and Time: 5-21-16

DESTINATION. I hereby certify that the above named material was delivered without incident to the facility noted above. Driver Signature: [Signature], Date and Time: 5-21-16. I hereby certify that the above named material has been accepted at the above referenced facility. Authorized Signature: [Signature], Date and Time: 5-21-16

SITE



Manifest # 1295027

GLOBAL JOB NUMBER: 137631 FACILITY APPROVAL NUMBER: 153071118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Generator's Phone, Net Weight.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION: Non Haz

GENERATOR'S CERTIFICATION - I hereby certify that the above named material does not contain free liquid... Name: LETTICE Constr, Title: Suppr 20/19, Date and Time: 5/31/16

TRANSPORTER: Company: Stanley Express LLC, Phone Number: 1308-280-0271, Truck # and License Plate: 46, Driver: [Signature], Date and Time: 5/31/16

DESTINATION: I hereby certify that the above named material was delivered without incident to the facility noted above. Driver Signature: [Signature], Date and Time: 5/31/16

SITE



Manifest # 1295026

GLOBAL JOB NUMBER: 137631 FACILITY APPROVAL NUMBER: 15307118

Please Check One:

- Clean Earth of Carteret (checked), Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes checkboxes for Tons and Yards.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION. Handwritten: Non Haz

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Ramon Gonzalez, Title: SUPER 20/20, Signature: Ramon Gonzalez, Date and Time: 5/31/16

TRANSPORTER

Company: Superior Express, LLC, Phone Number: 19081254-0594, Address: 192 Ralston Ave, Hillsdale, NJ 07205, Truck # and License Plate: 720 85-859-D, Driver: [Name], SW Haulers Permit #: [Number]

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature], Date and Time: 5/31/16

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE

GLOBAL JOB NUMBER: 127631 FACILITY APPROVAL NUMBER: 153071411
Please Check One:

- | | | | |
|------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909 | <input type="checkbox"/> Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220 | <input type="checkbox"/> Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633 | <input type="checkbox"/> Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939 |
| <input type="checkbox"/> Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520 | <input type="checkbox"/> Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004 | <input type="checkbox"/> Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700 | <input type="checkbox"/> Other: _____ |

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: 1700 ST. ALICE, 103RD ST 757 Route 14800 St Bronx, NY	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards	
GENERATOR'S PHONE: _____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards	
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

NON HAZ

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: LETTICE Title: Superv 20/21
 Signature: Ronald Bumpoverok Date and Time: 5-31-16

TRANSPORTER

Company: Shirley Express LLC Phone Number: _____
 Address: 703 Ramsey Ave, Hillside, NJ 07205 Truck # and License Plate: 179-83875 # 40
 Driver: [Signature] SW Haulers Permit #: NI-982
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 5-31-16

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____



Manifest # 1295024

GLOBAL JOB NUMBER: 137631 FACILITY APPROVAL NUMBER: 153971118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes checkboxes for Tons and Yards.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [Signature] Title: Super 20/22
Signature: [Signature] Date and Time: 5-21-16

TRANSPORTER

Company: SHIRLEY EXPRESS LLC Phone Number: 19081251-0397
Address: 702 Highway Ave. HILLSIDE, NJ 07203 Truck # and License Plate: #12 #5-810-11
Driver: [Signature] (Type or Print Clearly) SW Haulers Permit #: [Signature] (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 5/21/16

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature] Date and Time: 5/21/16

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [Signature] Date and Time: [Signature]

SITE

GLOBAL JOB NUMBER: 137631 FACILITY APPROVAL NUMBER: 153071118
Please Check One:

- | | | | |
|------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909 | <input type="checkbox"/> Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220 | <input type="checkbox"/> Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633 | <input type="checkbox"/> Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939 |
| <input type="checkbox"/> Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520 | <input type="checkbox"/> Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004 | <input type="checkbox"/> Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700 | <input type="checkbox"/> Other _____ |

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>755 Route 1, 10th St Glen, NY</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION
IRON HOZ

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

 Name: LETITIA CONLEY Title: Super 20/23
 Signature: Ronald Camacho Date and Time: 5-31-16
TRANSPORTER

 Company: Shirley Express LLC (A.L.S.) Phone Number: _____
 Address: 703 Ramsey Ave, Ithaca, NY 14850 Truck # and License Plate: 15001254-0557 / A5906 Y 7168
 Driver: ALVIN SW Haulers Permit #: _____ (applicable state permit #)
 (Type or Print Clearly)

I hereby certify that the above named material was picked up at the site listed above.

 Driver Signature: [Signature] Date and Time: 5/31/16
DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

 Driver Signature: _____ Date and Time: 5/31/16

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____



CLEAN EARTH

Manifest # 1253860

GLOBAL JOB NUMBER: 197691/198030155 FACILITY APPROVAL NUMBER: DPN1 #100816-0352

PROJECT #15-112

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other: East Park LLC
100 Platanus Ave
Prospect Park NJ 07508

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>255 East 138th Street</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
<u>255 East 138th</u>	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
<u>Bronx NY 10451</u>	
GENERATOR'S PHONE: <u>347-498-4914</u>	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION
Non Regulated Material, Non DOT, Non RCRA, NJ SRS Residential Clean Soil.

Approved Grids-CIRCLE ANY THAT APPLY. WC-11 (10'-15') WC-18 (15'-20')

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: LESTER J. COLE Title: Owner

Signature: [Signature] Date and Time: 6-15-16

TRANSPORTER

Company: [Signature] Phone Number: _____

Address: _____ Truck # and License Plate: BE 12-7

Driver: [Signature] SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1233979

GLOBAL JOB NUMBER: 137631/155030051

FACILITY APPROVAL NUMBER: PPMI #100915-0352

PROJECT #15-212

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other: PPark NJ LLC
100 Planters Ave
Prospect Park NJ 07508

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>255 East 138th Street</u> <u>Bronx NY 10451</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: <u>347-498-4914</u>	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non Regulated Material, Non DOT, Non-RCRA, NJ SRS Residential Clean Soil

Approved Codes: CIRCLE ANY THAT APPLY. WC-11 (10-15) WC-16 (15-20)

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: LETTICE (ONS) Title: OWNER
 Signature: [Signature] Date and Time: 10-15-15

TRANSPORTER

Company: [Signature] Phone Number: _____
 Address: 100 Planters Ave Prospect Park NJ 07508 Truck # and License Plate: 128 95-857 P
 Driver: [Signature] SW Haulers Permit #: _____
 (Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1295340

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: _____	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
_____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Clean Soil Mat Host

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: *Letare G. CT* Title: _____
Signature: _____ Date and Time: *6-15-10*

TRANSPORTER

Company: _____ Phone Number: _____
Address: _____ Truck # and License Plate: _____
Driver: _____ SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1290344

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Generator's Phone, Net Weight. Includes checkboxes for Tons and Yards.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected. I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10...

TRANSPORTER
Company: _____ Phone Number: _____
Address: _____ Truck # and License Plate: _____
Driver: _____ SW Haulers Permit #: _____
I hereby certify that the above named material was picked up at the site listed above.

DESTINATION
I hereby certify that the above named material was delivered without incident to the facility noted above.
Authorized Signature: _____ Date and Time: _____
I hereby certify that the above named material has been accepted at the above referenced facility.

SITE



Manifest # 2005338

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: _____	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
_____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Handwritten description of material and location

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____
Address: _____ Truck # and License Plate: _____
Driver: _____ SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____



Manifest # 1000340

GLOBAL JOB NUMBER: FACILITY APPROVAL NUMBER:

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: GROSS WEIGHT: TARE WEIGHT: NET WEIGHT: (with checkboxes for Tons/Yards)

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected. I hereby certify that the above named material does not contain free liquid...

TRANSPORTER Company: Phone Number: Truck # and License Plate: SW Haulers Permit #: Driver Signature: Date and Time:

DESTINATION I hereby certify that the above named material was delivered without incident to the facility noted above. Driver Signature: Date and Time: Authorized Signature: Date and Time:

SITE



Manifest # 12-0342

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other: _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: _____	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
_____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____

Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____

Address: _____ Truck # and License Plate: _____

Driver: _____ SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____



Manifest # 32333

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1489 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
	<input type="checkbox"/> Tons <input type="checkbox"/> Yards	
	TARE WEIGHT:	
	<input type="checkbox"/> Tons <input type="checkbox"/> Yards	
GENERATOR'S PHONE:	NET WEIGHT:	
	<input type="checkbox"/> Tons <input type="checkbox"/> Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
 Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____
 Address: _____ Truck # and License Plate: _____
 Driver: _____ SW Haulers Permit #: _____
 (Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 4205947

GLOBAL JOB NUMBER: FACILITY APPROVAL NUMBER:

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes checkboxes for Tons and Yards.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected. I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10...

TRANSPORTER - Company, Address, Driver, Phone Number, Truck # and License Plate, SW Haulers Permit #. Includes a certification statement: I hereby certify that the above named material was picked up at the site listed above.

DESTINATION - I hereby certify that the above named material was delivered without incident to the facility noted above. Authorized Signature, Date and Time.

SITE



Manifest # 1265346

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Generator's Phone, Net Weight. Includes checkboxes for Tons and Yards.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Blank area for describing the material and its location.

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____
Address: _____ Truck # and License Plate: _____
Driver: _____ SW Haulers Permit #: _____

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # _____

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: _____	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
_____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____

Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____

Address: _____ Truck # and License Plate: _____

Driver: _____ SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1235344

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes checkboxes for Tons and Yards.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____
Address: _____ Truck # and License Plate: _____
Driver: _____ SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 9000000000

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: _____ _____ _____	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____

Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____

Address: _____ Truck # and License Plate: _____

Driver: _____ SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1205350

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Keamy, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: _____	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
_____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
 Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____
 Address: _____ Truck # and License Plate: _____
 Driver: _____ SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1015040

GLOBAL JOB NUMBER: FACILITY APPROVAL NUMBER:

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Generator's Phone, Net Weight. Includes checkboxes for Tons and Yards.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Title: Signature: Date and Time:

TRANSPORTER

Company: Phone Number: Address: Truck # and License Plate: Driver: SW Haulers Permit #: (Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time:

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time:

SITE



Manifest # 1265037

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: _____	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
_____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
 Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____
 Address: _____ Truck # and License Plate: _____
 Driver: _____ SW Haulers Permit #: _____
 (Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1005150

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: _____	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
_____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____

Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____

Address: _____ Truck # and License Plate: _____

Driver: AS [Signature] SW Haulers Permit #: 1157 [Signature]
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1000000

GLOBAL JOB NUMBER: FACILITY APPROVAL NUMBER:

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes checkboxes for Tons and Yards.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Blank area for describing the material and its location.

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Title: Signature: Date and Time:

TRANSPORTER

Company: Phone Number: Address: Truck # and License Plate: Driver: SW Haulers Permit #: (Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time:

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time:

SITE



Manifest # 1285354

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 2 columns: Generator Information (Name & Site Address, Phone) and Weight Information (Gross, Tare, Net Weight in Tons/Yards)

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____
Address: _____ Truck # and License Plate: _____
Driver: _____ SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 220300

GLOBAL JOB NUMBER: FACILITY APPROVAL NUMBER:

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 2 columns: Generator information (Name & Site Address, Phone) and Weight information (Gross, Tare, Net Weight in Tons/Yards).

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected. I hereby certify that the above named material does not contain free liquid gas...

TRANSPORTER: Company, Address, Driver, Phone Number, Truck # and License Plate, SW Haulers Permit #, Driver Signature, Date and Time.

DESTINATION: I hereby certify that the above named material was delivered without incident to the facility noted above. Driver Signature, Date and Time. I hereby certify that the above named material has been accepted at the above referenced facility. Authorized Signature, Date and Time.

SITE



Manifest # 1235352

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-6520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: _____ _____ _____	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
 Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____
 Address: _____ Truck # and License Plate: _____
 Driver: _____ SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1015003

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Keamy, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other: _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:
	<input type="checkbox"/> Tons <input type="checkbox"/> Yards
	TARE WEIGHT:
	<input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	NET WEIGHT:
	<input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____

Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____

Address: _____ Truck # and License Plate: _____

Driver: _____ SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1235922

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
	<input type="checkbox"/> Tons <input type="checkbox"/> Yards	
	TARE WEIGHT:	
	<input type="checkbox"/> Tons <input type="checkbox"/> Yards	
GENERATOR'S PHONE:	NET WEIGHT:	
	<input type="checkbox"/> Tons <input type="checkbox"/> Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
 Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____
 Address: _____ Truck # and License Plate: _____
 Driver: _____ SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1255894

15

GLOBAL JOB NUMBER: 127631/153019055

FACILITY APPROVAL NUMBER: PPNL1100915-0352

PROJECT #15-113

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other Park M LLC

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: 255 East 128th Street, Bronx NY 10451. GROSS WEIGHT: Tons/Yards. TARE WEIGHT: Tons/Yards. NET WEIGHT: Tons/Yards.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non Regulated Material, Non DOT, Non-RCRA, NJ SRS Residential Clean Soil.

Approved Codes CIRCLE ANY THAT APPLY. WC-11 (10-15) WC-16 (15-20)

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [Signature] Title: [Signature] Signature: [Signature] Date and Time: 6-23-16

TRANSPORTER

Company: Sinoj Phone Number: 973-337-9951 Address: Newark NJ Truck # and License Plate: 77A9428Z Driver: Dennis J. Inca SW Haulers Permit #: NJ 960

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Dennis J. Inca Date and Time: 6-23-16 19:50

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Dennis J. Inca Date and Time: 6-23-16 19:50

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time:

SITE



Manifest # 1233003

14

GLOBAL JOB NUMBER: 137631/15303055

FACILITY APPROVAL NUMBER: NPN# 1100215-0352

PROJECT #15-113

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other Prospect Park NJ LLC

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 2 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes handwritten address: 255 East 138th Street, Bronx NY 10451 and phone: 347-499-4914.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non Regulated Material, Non DOT, Non-RCRA, NJ SRS Residential Clean Soil.

Approved Codes-CIRCLE ANY THAT APPLY. WC-11 (10-15) WC-16 (15-20)

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [Signature] Title: [Signature] Signature: [Signature] Date and Time: 11-23-2016 11:16

TRANSPORTER

Company: SIMCO TRUCKING Phone Number: [Blank] Address: 24 ORASON Truck # and License Plate: 15-S05E 7722 Driver: [Signature] SW Haulers Permit #: [Blank]

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: [Blank]

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature] Date and Time: [Blank]

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [Blank] Date and Time: [Blank]

SITE



13

Manifest # 1233331

GLOBAL JOB NUMBER: 137697/154030055

FACILITY APPROVAL NUMBER: PPAJ #100915-0382

PROJECT #15-118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other Parkville
100 Stanton Ave
Prospect Park NJ 07508

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>255 East 138th Street</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
<u>255 East 138th</u>	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
<u>Bronx NY 10457</u>	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: <u>347-498-4914</u>	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non Regulated Material, Non DOT, Non-RCRA, NJ SRS Residential Clean Soil

Approved Grids-CIRCLE ANY THAT APPLY. WC-11 (10-15) WC-16 (15-20)

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [Signature] Title: [Signature]
Signature: [Signature] Date and Time: 6-23-2016 11:07

TRANSPORTER

Company: SINAI #11 Phone Number: _____
Address: NEWARK, NJ Truck # and License Plate: AS 942 V 05
Driver: [Signature] SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 6-23-2016

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature] Date and Time: 6-23-2016

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 233590

GLOBAL JOB NUMBER: 137631/15303055 FACILITY APPROVAL NUMBER: (PM) #110015-0352

PROJECT #15-011

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non Regulated Material, Non DOT, Non-RCHA, NJ SRS Residential Clean Soil

Approved Grds-CIRCLE ANY THAT APPLY. WC-11 (10'-15') WC-16 (15'-20')

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Signature: Title: Date and Time:

TRANSPORTER

Company: Address: Driver: Phone Number: Truck # and License Plate: SW Haulers Permit #:

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time:

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time:

SITE



Manifest # 1250989

10

GLOBAL JOB NUMBER: 137631/13307095

FACILITY APPROVAL NUMBER: 1771 #100915-0332

PROJECT #10-111

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Keamy, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other Prospect Park NJ LLC
100 Planten Ave
Prospect Park NJ 07908

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>255 East 138th Street</u> <u>255 East 138th</u> <u>Bronx NY 10451</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: <u>347-498-4914</u>	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non Regulated Material Non DOT, Non-RCRA, NJ SRS Residential Clean Soil

Approved Gids CIRCLE ANY THAT APPLY WC-11 (10-15) WC-16 (15-20)

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Leanne B. Kiser Title: Owner
Signature: [Signature] Date and Time: 03/23/16

TRANSPORTER

Company: ISL Phone Number: _____
Address: _____ Truck # and License Plate: 27 NJ 273 E
Driver: [Signature] SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 03/23/16

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1233399

GLOBAL JOB NUMBER: 137631/153030055

FACILITY APPROVAL NUMBER: PPH #100919-0352

PROJNOY #15-113

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other: Park NJ LLC
100 Plamen Ave
Prospect Park NJ 07508

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>255 East 138th Street</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
<u>255 East 138th</u>	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
<u>Bronx NY 10457</u>	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: <u>347-498-4914</u>	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non Regulated Material, Non DOT, Non-PCRA, NJ SRS Residential Clean Soil

Approved Grids-CIRCLE ANY THAT APPLY. WC-11 (10-15) WC-16 (15-20)

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Letting Construction Title: Owner
Signature: [Signature] Date and Time: 6-23-16 10:40

TRANSPORTER

Company: 3ma Phone Number: _____
Address: NEWARK NJ Truck # and License Plate: 77A342B
Driver: Dennis SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Dennis Juca Date and Time: 6-23-16 11:42

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Dennis Juca Date and Time: 6-23-16

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



CLEAN EARTH

Manifest # 1233977

9

GLOBAL JOB NUMBER: 137631/15308055

FACILITY APPROVAL NUMBER: PPMJ #100915-0752

PROJECT #15-103

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Keamy, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other: PPark M LLC
100 Manters Ave
Prospect Park NJ 07508

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: 255 East 138th Street Bronx NY 10451	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: 347-492-4914	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non Regulated Material, Non DOT, Non-RCRA, NJ SRS Residential Clean Soil. *Non Hazard*
Approved Gids - INCLUDE ANY THAT APPLY. WC-11 (10-15) WC-16 (15-20)

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Latisha Johnson Title: Owner
Signature: [Signature] Date and Time: 6-23-16 9:00 AM

TRANSPORTER

Company: SINNO Phone Number: _____
Address: 255 E 138th St Truck # and License Plate: AS 50 SF - 222
Driver: Alvin Johnson SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 6-23-16 9:20 AM

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



2

Manifest # 1230379

GLOBAL JOB NUMBER: 137081/123030025

FACILITY APPROVAL NUMBER: 57911100912-0352

PROJECT #08-173

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-8220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other Power Matic
110 Platoon Ave
Princeton Park NJ 07508

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>255 East 130th Street</u> <u>Bronx NY 10451</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: <u>347-498-4914</u>	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non Regulated Material, Non DOT, Non-RCRA, NJ SNS Residential Clean Soil. see label
Approved GHS-CIRCLE ANY THAT APPLY. WC-11 (10-15) WC-16 (15-20)

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: LeTtice Brubaker Title: owner
Signature: [Signature] Date and Time: 8-23-16 2:40 PM

TRANSPORTER

Company: [Signature] Phone Number: # 11
Address: [Signature] Truck # and License Plate: A 942 J
Driver: [Signature] SW Haulers Permit #: [Signature] (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 8-23-2016

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature] Date and Time: [Signature]

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [Signature] Date and Time: [Signature]

SITE



7

Manifest # 1223906

GLOBAL JOB NUMBER: 137521/152030055

FACILITY APPROVAL NUMBER: PPH1 #100015-0957

PROJECT #15-113

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other Project Park All 07502
110 Montan Ave
Project Park All 07502

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: 255 East 138th Street 255 East 138th Bronx NY 10451	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: 347-492-4914	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non Regulated Material, Non DOT, Non RCRA, NJ SRS Residential Clean Soil. Non Hazardous!
Approved Crds-CIRCLE ANY THAT APPLY. WC-11 (10-15) WC-16 (15-20)

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [Signature] Title: [Signature] (7)
Signature: [Signature] Date and Time: 6-29-16 - 2:45

TRANSPORTER

Company: [Signature] Phone Number: [Signature]
Address: [Signature] Truck # and License Plate: NJ 891 # 19
Driver: [Signature] SW Haulers Permit #: [Signature] #9
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 6-23-16 - 2:45

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature] Date and Time: [Signature]

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [Signature] Date and Time: [Signature]

SITE



Manifest # 1233987

GLOBAL JOB NUMBER: 137631/153030055

FACILITY APPROVAL NUMBER: 77NJ #100915-0352

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other: Park Hill LLC

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes handwritten address: 255 East 138th Street, Bronx NY 10451.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non Regulated Material Non DOT, Non-RCRA, NJ SRS Residential Clean Soil. Approved GHS-CIRCLE ANY THAT APPLY. WC-11 (10-15) WC-16 (15-20)

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Lettice G. Stovall Title: Supervisor Date and Time: 6-23-16 8:20 AM

TRANSPORTER

Company: Jinn's Phone Number: 973-337-9921 Address: Jinn's Inca Nevada Truck # and License Plate: 77A3423Z #77 Driver: Dennis SW Haulers Permit #: NJ-960

I hereby certify that the above named material was picked up at the site listed above. Driver Signature: Dennis J. Inca Date and Time: 6-23-16 8:20 AM

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above. Driver Signature: Dennis J. Inca Date and Time: 6-23-16 I hereby certify that the above named material has been accepted at the above referenced facility. Authorized Signature: Date and Time:

SITE



Manifest # 2233000

5

GLOBAL JOB NUMBER: 107691/153030035 FACILITY APPROVAL NUMBER: PPH/1102015-0352

PROJECT #26-2118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: 255 East 138th Street, Bronx NY 10451. GROSS WEIGHT, TARE WEIGHT, NET WEIGHT sections.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION: Non Regulated Material, Non DOT, Non-RCRA, NJ SRS Residential Clean Soil. Approved Grids: WGT-11 (10'-15'), WGT-15 (15'-20')

GENERATOR'S CERTIFICATION - I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10...

TRANSPORTER: Company: JSL, Address, Driver, Phone Number, Truck # and License Plate, SW Haulers Permit #.

I hereby certify that the above named material was picked up at the site listed above. Driver Signature, Date and Time.

DESTINATION: I hereby certify that the above named material was delivered without incident to the facility noted above. Driver Signature, Date and Time. I hereby certify that the above named material has been accepted at the above referenced facility. Authorized Signature, Date and Time.

SITE



4

Manifest # 1233085

GLOBAL JOB NUMBER: 127631/153030035

FACILITY APPROVAL NUMBER: HPAJ #100915-0352

PHANTOM #15-113

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other: Spark M LLC
100 Planten Ave
Franklin Park NJ 07508

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>255 East 138th Street</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
<u>255 East 138th</u>	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
<u>Bronx NY 10451</u>	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: <u>347-498-4814</u>	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non Regulated Material, Non DOT, Non-RCRA, NJ SRS Residential Clean Soil. Non Hazard

Approved Grids-CIRCLE ANY THAT APPLY. WC-11 (10'-15') WC-16 (15'-20')

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: LETIVE CONSTRUCTION Title: Supervisor
Signature: [Signature] Date and Time: 6-23-16 8:03 AM

TRANSPORTER

Company: JSL Phone Number: _____
Address: D. Truck # and License Plate: 19 / AP196GN
Driver: Jose GODOY SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 6/23/16 8:03 AM

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



13

Manifest # 1233364

GLOBAL JOB NUMBER: 137631/193030055

FACILITY APPROVAL NUMBER: APNJ #100915-0852

PROJECT #05-117

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other Parkville

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 2 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes handwritten address: 255 East 138th Street, Bronx NY 10451.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non Regulated Material, Non DOT, Non-RCRA, NJ SRS Residential Clean Soil. Approved Crde-CIRCLE ANY THAT APPLY. WC-11 (10-15) WC-16 (15-20)

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [Signature] Title: [Signature] Signature: [Signature] Date and Time: 6-23-10 7:02 AM

TRANSPORTER

Company: CINA Phone Number: Truck # and License Plate: 12 05750V Driver: SW Haulers Permit #: (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 6-23-10 7:52 AM

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time:

SITE



2

Manifest # 2203370

GLOBAL JOB NUMBER: 137691/153030055

FACILITY APPROVAL NUMBER: FPA#100015-0852

PROJECT #15-113

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other Earth Mill
100 Clinton Ave
Proctor Park NJ 07746

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>255 East 130th Street</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
<u>255 East 130th</u>	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
<u>Bronx NY 10453</u>	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: <u>347-498-4914</u>	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non Recycled Material Non DOT, Non-RCRA, NJ SRS Residential Clean Soil not Hazardous

Approved Site-CIRCLE ANY THAT APPLY. WC-11 (10-15) WC-16 (15-30)

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: LETITIA SUSTANEDA Title: Owner

Signature: [Signature] Date and Time: 6-27-16 7:30 AM

TRANSPORTER

Company: SWAN Trucking Phone Number: _____

Address: _____ Truck # and License Plate: _____

Driver: _____ SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 6-23-16 9:46am

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

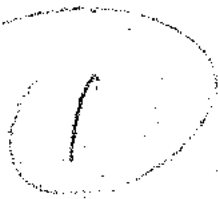
I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [Signature] Date and Time: 6-23-16

SITE



Manifest # 1233975



GLOBAL JOB NUMBER: 137631/153030055

FACILITY APPROVAL NUMBER: PPNJ #100915-0352

PROJECT #15-001

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other: SPARK NELLE

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 2 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes handwritten address: 255 East 138th Street, Bronx NY 10451.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non Regulated Material, Non DOT, Non-RCRA, NJ SRS Residential Clean Soil. Approved Grds-CIRCLE ANY THAT APPLY. WC-11 (10'-15') WC-16 (15'-20')

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Title: Signature: Date and Time: 6-23-10

TRANSPORTER

Company: Phone Number: Address: Truck # and License Plate: Driver: SW Haulers Permit #: (Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 6-23-10 7:30 am

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time:

SITE



Manifest # 1239014

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: 255 E 14th St, Hickory, NY. GROSS WEIGHT, TARE WEIGHT, NET WEIGHT sections.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law...

Name: _____ Title: _____ Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____ Address: _____ Truck # and License Plate: _____ Driver: _____ SW Haulers Permit #: _____

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 103000

GLOBAL JOB NUMBER: 2281

FACILITY APPROVAL NUMBER: 20772

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes checkboxes for Tons and Yards.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Title: Signature: Date and Time:

TRANSPORTER

Company: Phone Number: Address: Truck # and License Plate: Driver: SW Haulers Permit #: (Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time:

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time:

SITE



3

Manifest # 1230240

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 15000000

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>255 E 158 St</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
<u>11000 100Y</u>	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Matthew S. ... Title: _____
 Signature: [Signature] Date and Time: 7/13/10 12:55 PM

TRANSPORTER

Company: [Signature] Phone Number: _____
 Address: [Signature] Truck # and License Plate: 50 A5835Y
 Driver: [Signature] SW Haulers Permit #: _____
 (Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 7/13/10

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature] Date and Time: 7/13/10

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 40000000

GLOBAL JOB NUMBER: FACILITY APPROVAL NUMBER:

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS, GROSS WEIGHT, TARE WEIGHT, NET WEIGHT, GENERATOR'S PHONE

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name, Title, Signature, Date and Time

TRANSPORTER

Company, Address, Driver, Phone Number, Truck # and License Plate, SW Haulers Permit #

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature, Date and Time

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature, Date and Time

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature, Date and Time

SITE



Manifest # 2200242

GLOBAL JOB NUMBER: 139001

FACILITY APPROVAL NUMBER: 15300117

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Generator's Phone, Net Weight. Includes handwritten entries for generator name and phone number.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Blank space for describing the material and its location.

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [Signature] Title: [Signature] Signature: [Signature] Date and Time: [Signature]

TRANSPORTER

Company: SHIRLEY EXPRESS Phone Number: 408-258-0597 Address: 702 BARNSETT AVE ALBANY Truck # and License Plate: AS 1221 #26 Driver: BOB [Signature] SW Haulers Permit #: [Signature] (Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 7-13-16

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature] Date and Time: 7-13-16

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [Signature] Date and Time: [Signature]

SITE



14

Manifest # 220436

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 81st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: _____	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
_____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____

Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____

Address: _____ Truck # and License Plate: AS 122 L #26

Driver: BOLIVAR GARCIA SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 7-14-16

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: 7-14-16

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



13

Manifest # 220043

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other: _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>1000 ...</u>	GROSS WEIGHT:	
GENERATOR'S PHONE: _____	TARE WEIGHT:	
	NET WEIGHT:	
	<input type="checkbox"/> Tons <input type="checkbox"/> Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Waste Material

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [Signature] Title: _____
Signature: [Signature] Date and Time: 7/14/16 11:30

TRANSPORTER

Company: _____ Phone Number: _____
Address: _____ Truck # and License Plate: 443200 443
Driver: [Signature] SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 7-14-16

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 120433

12

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other: _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: _____	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
_____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
 Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____
 Address: _____ Truck # and License Plate: #35 A2615
 Driver: _____ SW Haulers Permit #: _____
 (Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 100333

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Keamy, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>11111111111111111111</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
<u>11111111111111111111</u>	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: 11111111111111111111 Title: _____
 Signature: 11111111111111111111 Date and Time: 11-11-11

TRANSPORTER

Company: _____ Phone Number: _____
 Address: _____ Truck # and License Plate: 11111111111111111111
 Driver: _____ SW Haulers Permit #: _____
 (Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1000440

10

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes checkboxes for Tons and Yards.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____
Address: _____ Truck # and License Plate: _____
Driver: _____ SW Haulers Permit #: _____

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1200444

6

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-8220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: _____	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
_____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____

Signature: _____ Date and Time: 7-11-16 5:25

TRANSPORTER

Company: _____ Phone Number: _____

Address: _____ Truck # and License Plate: 16 588B

Driver: _____ SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 7-14-16

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____



Manifest # 1000005

5

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: _____ _____ _____	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION Non-Hazardous	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: LETITIA COLEMAN Title: OWNER
 Signature: [Signature] Date and Time: 7-14-16 2:10

TRANSPORTER

Company: _____ Phone Number: _____
 Address: _____ Truck # and License Plate: #36 AS261B
 Driver: Diego B SW Haulers Permit #: _____
 (Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 07-14-16

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature] Date and Time: 07-14-16

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 200440

4

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>_____</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
<u>_____</u>	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
 Signature: _____ Date and Time: 7-14-16 8:00 AM

TRANSPORTER

Company: _____ Phone Number: _____
 Address: _____ Truck # and License Plate: 210 AS 210 V
 Driver: _____ SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1093447

3

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes checkboxes for Tons and Yards.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [Signature] Title: [Signature] Signature: [Signature] Date and Time: 7-14-11 7:40 AM

TRANSPORTER

Company: [Signature] Phone Number: [Signature] Address: [Signature] Truck # and License Plate: [Signature] Driver: [Signature] SW Haulers Permit #: [Signature]

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 7/14/11

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature] Date and Time: 7/14/11

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



2

Manifest # 1200440

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other: _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: _____	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
_____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
 Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____
 Address: _____ Truck # and License Plate: _____
 Driver: _____ SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 123456

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: _____	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
_____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
 Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____
 Address: _____ Truck # and License Plate: AS 1234 H 26
 Driver: BOLIVAS GREGA SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 7-14-16

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: 7-14-16

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1203400

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes checkboxes for Tons and Yards.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____
Address: _____ Truck # and License Plate: _____
Driver: _____ SW Haulers Permit #: _____

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1003402

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight (Tons/Yards), Tare Weight (Tons/Yards), Generator's Phone, Net Weight (Tons/Yards)

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____
Address: _____ Truck # and License Plate: _____
Driver: _____ SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____



CLEAN EARTH

Manifest # 400040

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>LETTRE Building</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
<u>1000000000</u>	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
<u>1000000000</u>	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: LETTRE Building Title: _____
Signature: _____ Date and Time: 7-25-16 1:10

TRANSPORTER

Company: _____ Phone Number: _____
Address: _____ Truck # and License Plate: 04-AF494Y
Driver: Carlos SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 7-25-16

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1000430

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes checkboxes for Tons and Yards.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____
Address: _____ Truck # and License Plate: _____
Driver: _____ SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



6

Manifest # 101416

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: 5

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes checkboxes for Tons and Yards.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Empty box for material description.

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____
Address: _____ Truck # and License Plate: _____
Driver: _____ SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 10000000

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: S _____

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other: _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE:	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____
Address: _____ Truck # and License Plate: _____
Driver: _____ SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1201414

4

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: 5

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes checkboxes for Tons and Yards.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Empty box for material description.

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____
Address: _____ Truck # and License Plate: _____
Driver: _____ SW Haulers Permit #: _____

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1291412

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: 5

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Generator's Phone, Net Weight. Includes checkboxes for Tons and Yards.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Empty box for material description.

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [Signature] Title: _____ Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____ Address: _____ Truck # and License Plate: _____ Driver: [Signature] SW Haulers Permit #: _____ (Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1201412

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: 5

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>1077 E 8th St</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
<u>Ph: 732-541-8909</u>	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Asphalt

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: 1077 E 8th St Title: _____
 Signature: _____ Date and Time: 7-25-16

TRANSPORTER

Company: _____ Phone Number: _____
 Address: _____ Truck # and License Plate: #26 K211E
 Driver: ADB SW Haulers Permit #: _____
 (Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: ADB Date and Time: 7-25-16

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: 7-25-16

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 2234011

153071118

GLOBAL JOB NUMBER: 137631/153030055

FACILITY APPROVAL NUMBER: ~~PA 100713 USE 2~~

PROJECT #15-123

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other Park Hills
100 Flanken Ave
Westport Park NJ 07508

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: 735 East 138th Street Bronx NY 10451 GENERATOR'S PHONE: 347-408-4914	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
---------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

- Non Regulated Material, Non DOT, Non-RCRA, NJ SRS Residential Clean Soil.

Approved Cans - CIRCLE ANY THAT APPLY. WC-11 (10'-15') WC-16 (15'-20')

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: LETTIE B. JONES Title: OWNER
 Signature: [Signature] Date and Time: 8-03-11

TRANSPORTER

Company: _____ Phone Number: _____
 Address: _____ Truck # and License Plate: _____
 Driver: _____ SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 15307118

15307118

GLOBAL JOB NUMBER: 13763115307118

FACILITY APPROVAL NUMBER: ~~0000000000000000~~

PROJECT #15-000

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other 2000 1111
1000 Phantom Ave
Ph: 215-428-1700

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: 255 East 138th Street Bronx NY 10451	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: 247-498-0014	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non Regulated Material, Non DOT, Non-RCRA, NJ SRS Residential Clean Soil.

Approved Gids: CIRCLE ANY THAT APPLY. WC-11 (10-15) WC-16 (15-20)

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: LETTING SONS Title: Supervisor
Signature: [Signature] Date and Time: 8-07-10

TRANSPORTER

Company: [Signature] Phone Number: _____
Address: _____ Truck # and License Plate: APN 1234
Driver: [Signature] SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature] Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1234005

GLOBAL JOB NUMBER: 137631/15303055

FACILITY APPROVAL NUMBER: PENN 100012-0902

PROJECT #15-011

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other: PPO's M LLC

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non Regulated Material, Non DOT, Non-RCRA, NJ SRS Residential Clean Soil

Approved Grids: WC-11 (10'-15'), WC-16 (15'-20')

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law...

Name: [Signature], Title: [Signature], Signature: [Signature], Date and Time: 5-22-13 12:52

TRANSPORTER

Company: [Signature], Address: [Signature], Driver: [Signature], Phone Number: [Signature], Truck # and License Plate: [Signature], SW Haulers Permit #: [Signature]

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature], Date and Time: [Signature]

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature], Date and Time: [Signature]

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [Signature], Date and Time: [Signature]

SITE



16

Manifest # 1259041

GLOBAL JOB NUMBER: 157671

FACILITY APPROVAL NUMBER: 15807111

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 81st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>235 E 128 St Newark</u> <u>LETTING STATION</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Robert J. ... Title: ...
 Signature: ... Date and Time: 9/10/16 13:30

TRANSPORTER

Company: _____ Phone Number: _____
 Address: _____ Truck # and License Plate: _____
 Driver: _____ SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



CLEAN EARTH

Manifest # 12345678

15

10307148

GLOBAL JOB NUMBER: 137931385090955

FACILITY APPROVAL NUMBER: DEAU #100016-0300

PROJECT # 100-001

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other Back Mill
3100 Meridian Ave
Proctor Park NJ 07092

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>255 East 138th Street</u> <u>255 East 138th</u> <u>Brooklyn NY 10451</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: <u>347-499-4914</u>	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

non Regulated Material, Non DOT, Non-RCRA, NJ SPS Residential Clean Soil

Approved Grids-CIRCLE ANY THAT APPLY. WC-11 (10-15) WC-16 (10-20)

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [Signature] Title: [Signature]
 Signature: [Signature] Date and Time: [Signature]

TRANSPORTER

Company: SW Haulers Phone Number: 908-241-5130
 Address: 24 Dwyer St, Newark NJ Truck # and License Plate: 1032 JT5336
 Driver: [Signature] SW Haulers Permit #: _____ (applicable state permit #)
 (Type or Print Clearly)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: [Signature]

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 12340

14

GLOBAL JOB NUMBER: 137621/33030055

FACILITY APPROVAL NUMBER: 1710 P10013031

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washi... Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other Park Hill LLC

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 2 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes handwritten address: 255 East 138th Street, Bronx NY 10451 and phone: 347-458-4214.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non Regulated Material, Non DOT, Non-RCRA, NJ SAS Residential Clean Soil. Approved with CIRCLE ANY THAT APPLY. WC-11 (10-15) WC-16 (15-20)

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [Signature] Title: [Signature] Signature: [Signature] Date and Time: 8/4/16 7:48 AM

TRANSPORTER

Company: SINAI #11 Phone Number: 718-338-9221 Address: MARIO LOPEZ Truck # and License Plate: A5 912 W NJ Driver: [Signature] SW Haulers Permit #: (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 8-4-16

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature] Date and Time: 8-4-16

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [Signature] Date and Time: [Signature]

SITE



Manifest # 1204000

GLOBAL JOB NUMBER: 137631/182030955 FACILITY APPROVAL NUMBER: PPA#100915-0352

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: 255 East 138th Street, Bronx NY 10451. GROSS WEIGHT: Tons/Yards. TARE WEIGHT: Tons/Yards. NET WEIGHT: Tons/Yards.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION: Non Regulated Material, Non DOT, Non-RCRA, NJ SRS Residential Clean Soil. Approved Grid: WC-11 (10-15), WC-16 (15-20)

GENERATOR'S CERTIFICATION - I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law...

TRANSPORTER: Company: SWHAULERS TRANSPORT, Phone Number: 201-640-4440, Truck # and License Plate: 27 AT-697E, Driver: [Signature]

DESTINATION: I hereby certify that the above named material was delivered without incident to the facility noted above. Driver Signature: [Signature], Date and Time: 3/11/16

SITE



Manifest # 1250535

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>3500 State St, Dept 5</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
<u>253 Dept 5</u>	TARE WEIGHT: <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: <u>856-233-1111</u>	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
Signature: _____ Date and Time: _____

TRANSPORTER

Company: South Atlantic Haulers Phone Number: _____
Address: 2000 Route 138 Truck # and License Plate: _____
Driver: South Atlantic Haulers SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 05.04.16

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



10

Manifest # 100514

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 2 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes checkboxes for Tons and Yards.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____
Address: _____ Truck # and License Plate: _____
Driver: _____ SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____



Manifest # 2255474

GLOBAL JOB NUMBER: 13621 FACILITY APPROVAL NUMBER: 15307118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS, GROSS WEIGHT, TARE WEIGHT, GENERATOR'S PHONE, NET WEIGHT

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law...

Name, Title, Signature, Date and Time

TRANSPORTER

Company, Address, Driver, Phone Number, Truck # and License Plate, SW Haulers Permit #

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature, Date and Time

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature, Date and Time

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature, Date and Time



8

Manifest # 1255470

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other: _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>12345 Main St</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	TARE WEIGHT: <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____

Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____

Address: _____ Truck # and License Plate: _____

Driver: _____ SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



7

Manifest # 1000013

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-598-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>1304 W. 11th St</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
<u>115 Park Lane St</u>	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
Signature: _____ Date and Time: _____ 10.8

TRANSPORTER

Company: IC Haulers Inc Phone Number: _____
Address: 115 Park Lane St Truck # and License Plate: A16 AS 402
Driver: North Harrison, NJ 07043 SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 100350

GLOBAL JOB NUMBER: 107801 FACILITY APPROVAL NUMBER: 100350

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washin., Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 2 columns: Generator's Name & Site Address, Generator's Phone; and Gross Weight, Tare Weight, Net Weight.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected. I hereby certify that the above named material does not contain free liquid...

TRANSPORTER: Company, Address, Driver, Phone Number, Truck # and License Plate, SW Haulers Permit #

I hereby certify that the above named material was picked up at the site listed above. Driver Signature, Date and Time

DESTINATION: I hereby certify that the above named material was delivered without incident to the facility noted above. Driver Signature, Date and Time. I hereby certify that the above named material has been accepted at the above referenced facility. Authorized Signature, Date and Time

SITE



5

Manifest # 1303507

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>1700 S. 11th Street</u>	GROSS WEIGHT: <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Yards
<u>255 Elm Street</u>	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
<u>Elizabeth, NJ</u>	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____
Address: _____ Truck # and License Plate: _____
Driver: _____ SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



15

Manifest # 1051538

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: _____	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
_____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____
Address: _____ Truck # and License Plate: _____
Driver: _____ SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



3

Manifest # 1033504

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Keamy, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>CONCRETE RECYCLING CO</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
<u>711 E. 10th St</u>	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
<u>Frank PA</u>	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____
Address: _____ Truck # and License Plate: AC 140
Driver: Mark Anthony Williams SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



2

Manifest # 1003510

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dowler House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: _____	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
_____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____
Address: _____ Truck # and License Plate: _____
Driver: _____ SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1001508

GLOBAL JOB NUMBER: [handwritten]

FACILITY APPROVAL NUMBER: [handwritten]

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Generator's Phone, Net Weight

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [handwritten] Title: [handwritten] Signature: [handwritten] Date and Time: [handwritten]

TRANSPORTER

Company: [handwritten] Phone Number: [handwritten] Address: [handwritten] Truck # and License Plate: [handwritten] Driver: [handwritten] SW Haulers Permit #: [handwritten]

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [handwritten] Date and Time: [handwritten]

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [handwritten] Date and Time: [handwritten]

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [handwritten] Date and Time: [handwritten]

SITE



CLEAN EARTH

* Operator did not arrive until 8am

10

Manifest # 1234004

153071118

GLOBAL JOB NUMBER: 137691/153030055

FACILITY APPROVAL NUMBER: CDW1600015-0352

PERMIT #15-111

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other Prospect Park NJ LLC

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 rows and 2 columns: GENERATOR'S NAME & SITE ADDRESS, GROSS WEIGHT, TARE WEIGHT, NET WEIGHT.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non Reculated Material Non DOT, Non-MCRA, NJ SRS Residential Clean Soil. Approved Grids-CIRCLE ANY THAT APPLY WC-11 (10'-15') WC-16 (15'-20')

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Signature: Title: Date and Time:

TRANSPORTER

Company: Address: Driver: Phone Number: Truck # and License Plate: SW Haulers Permit #:

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time:

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time:

SITE



Manifest # 1001418

9

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE:	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Latrice G. [Signature] Title: _____
 Signature: _____ Date and Time: 05-13-16 10:00 AM

TRANSPORTER

Company: JC Transport Phone Number: _____
 Address: 39-12 IMPERIAL AVE, NEW BRUNSWICK, NJ Truck # and License Plate: 7A17126
 Driver: [Signature] SW Haulers Permit #: _____ (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 05-13-16

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1231420

8

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Generator's Phone, Net Weight. Includes checkboxes for Tons and Yards.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected. I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10...

TRANSPORTER Company, Address, Driver, Phone Number, Truck # and License Plate, SW Haulers Permit #, Date and Time

DESTINATION I hereby certify that the above named material was delivered without incident to the facility noted above. Driver Signature, Date and Time

SITE



Manifest # 1301413

7

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: 5

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:
	<input type="checkbox"/> Tons <input type="checkbox"/> Yards
	TARE WEIGHT:
	<input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE:	NET WEIGHT:
	<input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____

Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____

Address: _____ Truck # and License Plate: _____

Driver: _____ SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 15007415

GLOBAL JOB NUMBER: 157521

FACILITY APPROVAL NUMBER: 15007415

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 81st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Keamy, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other: _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>Case 138-11 CT</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
<u>Box 111</u>	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
<u>LETTER 138-11</u>	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

138-11

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [Signature] Title: _____
 Signature: _____ Date and Time: 8-01-16 10:35

TRANSPORTER

Company: [Signature] Phone Number: 201-212-1676
 Address: 100 TILBURN RD Truck # and License Plate: AMLPRT-13
 Driver: [Signature] SW Haulers Permit #: _____ (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 8-01-16 11:40

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 223355

S

GLOBAL JOB NUMBER: 133071
133071/118

FACILITY APPROVAL NUMBER: 133071/118
133071/118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other Other
1100 Elizabeth Ave
Princeton, NJ 08540

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>255 East 138th Street</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
<u>255 East 138th</u>	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
<u>Brook NY 10451</u>	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: <u>347-498-4914</u>	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non Regulated Material, Non DOT, Non-RCRA, NJ SRS Residential Clean Soil.

* Approved Grids-CIRCLE ANY THAT APPLY. WC-11 (10'-15') WC-16 (15'-20')

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [Signature] Title: [Signature]
Signature: [Signature] Date and Time: 2-1-16 11:00

TRANSPORTER

Company: IS TRANSPORT Phone Number: _____
Address: 1000 1st Street Truck # and License Plate: AS 5916 4223
Driver: [Signature] SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 2-1-16 11:00

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature] Date and Time: 2-1-16 11:00

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1233995

4

152071118

GLOBAL JOB NUMBER: 137631/19303055

FACILITY APPROVAL NUMBER: PENJ100913-8952

PROJECT #15-119

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other: Park NJ LLC
100 Planten Ave
Prospect Park NJ 07508

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: 255 East 138th Street Bronx NY 10451	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: 347-498-4614	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non Regulated Material, Non DOT, Non-RCRA, NJ SRS Residential Clean Soil.

Approved Grids-CIRCLE ANY THAT APPLY: WC-11 (10-15) WC-16 (15-20)

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Letting Construction Title: Superintendent
Signature: [Signature] Date and Time: 8-21-11 7:00 AM

TRANSPORTER

Company: SJS Trucking Phone Number: _____
Address: _____ Truck # and License Plate: 4D7 760363
Driver: [Signature] SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 8-21-11 9:25 AM

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: 8-21-11

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



3

Manifest # 1203397

GLOBAL JOB NUMBER: 137631/153034055

FACILITY APPROVAL NUMBER: PHU #100215-0252

PROJECT #15-113

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other: Parkville

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: 255 East 132nd Street, Bronx NY 10451. GROSS WEIGHT: Tons/Yards. TARE WEIGHT: Tons/Yards. NET WEIGHT: Tons/Yards.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non Regulated Material, Non DOT, Non-RCRA, NJ SRC Residential Clean Soil. Approved Grids-CIRCLE ANY THAT APPLY. WC-11 (10'-15') WC-16 (15'-20')

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [Signature], Title: [Signature], Signature: [Signature], Date and Time: 7:00 AM

TRANSPORTER

Company: [Signature], Address: [Signature], Driver: [Signature], Phone Number: [Signature], Truck # and License Plate: NJ 141F, SW Haulers Permit #: [Signature]

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature], Date and Time: 9:10 AM

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature], Date and Time: [Signature]

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [Signature], Date and Time: [Signature]

SITE



Manifest # 1201417
1201417

2

GLOBAL JOB NUMBER: _____

FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 81st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: _____	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
_____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
 Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____
 Address: _____ Truck # and License Plate: _____
 Driver: _____ SW Haulers Permit #: _____
 (Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1200434

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: _____	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
_____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____

Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____

Address: _____ Truck # and License Plate: _____

Driver: _____ SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



1

Manifest # 2050326

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: 1000	GROSS WEIGHT: <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE:	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION CANCELLED BY SCRAPER

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: RATKO KRNETA Title: SUPERINTENDANT
Signature: [Signature] Date and Time: 8/5/16 8:00 AM

TRANSPORTER

Company: _____ Phone Number: _____
Address: _____ Truck # and License Plate: 45 7353 #2
Driver: _____ SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.
Driver Signature: [Signature] Date and Time: 8/5/16

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.
Driver Signature: _____ Date and Time: _____
I hereby certify that the above named material has been accepted at the above referenced facility.
Authorized Signature: _____ Date and Time: _____

SITE



CLEAN EARTH

2

Manifest # 1203524

GLOBAL JOB NUMBER: 10020

FACILITY APPROVAL NUMBER: 100110

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes checkboxes for Tons and Yards.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION CALIBERED BY SCALPEL
Not a type of material

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: RALPH KRUGIA Title: SUPERINTENDANT
Signature: [Signature] Date and Time: 8/5/2016 8:45 AM

TRANSPORTER

Company: SW Haulers Inc Phone Number:
Address: 30 Middlesex Ave Truck # and License Plate:
Driver: [Signature] (Type or Print Clearly) SW Haulers Permit #: (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 8/5/2016 8:45 AM

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time:

SITE



3

Manifest # 200525

GLOBAL JOB NUMBER: FACILITY APPROVAL NUMBER:

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Generator's Phone, Net Weight

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION cancelled by scalpel.

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: RATKO KENETA Title: SUPERINTENDANT
Signature: [Signature] Date and Time: 6/5/2016 9:00 AM

TRANSPORTER

Company: [Blank] Phone Number: [Blank]
Address: [Blank] Truck # and License Plate: [Blank]
Driver: [Blank] SW Haulers Permit #: [Blank]

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Blank] Date and Time: [Blank]

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Blank] Date and Time: [Blank]

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [Blank] Date and Time: [Blank]

SITE



CLEAN EARTH

Manifest # 1000000

GLOBAL JOB NUMBER: _____

FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyies Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other: _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: _____	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
_____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
 Signature: _____ Date and Time: _____

TRANSPORTER

Company: SWH # 77 Phone Number: _____
 Address: NEWARK Truck # and License Plate: 17 A71187
 Driver: DEBRA JINCA SW Haulers Permit #: _____
 (Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: DEBRA JINCA Date and Time: 8-3-16

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: DEBRA JINCA Date and Time: 8-3-16

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1234512

11

GLOBAL JOB NUMBER: 137671

FACILITY APPROVAL NUMBER: PENN00015-0112

153071115

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other: DEARBORN LLC
100 Plantation Ave
Dearborn Park MI 48109

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: 255 East 138th Street Bronx NY 10451	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: 347-499-4914	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non Regulated Material, Non DOT, Non-RCRA, NJ SRS Residential Clean Soil. Approved Grills-CIRCLE ANY THAT APPLY. WC-11 (10'-15') WC-16 (15'-20')

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [Signature] Title: [Signature]
Signature: [Signature] Date and Time: 08-11-16 8:10

TRANSPORTER

Company: [Signature] Phone Number: [Signature]
Address: [Signature] Truck # and License Plate: 01 9A1172E
Driver: [Signature] SW Haulers Permit #: [Signature]

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 08-11-16

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature] Date and Time: [Signature]

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [Signature] Date and Time: [Signature]

SITE



Manifest # 1078300

GLOBAL JOB NUMBER: _____

FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dowler House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: _____	GROSS WEIGHT:	<input type="checkbox"/> Tons <input type="checkbox"/> Yards
_____	TARE WEIGHT:	<input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	NET WEIGHT:	<input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
 Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____
 Address: _____ Truck # and License Plate: _____
 Driver: _____ SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



3

Manifest # 1234013

137671

15307112

GLOBAL JOB NUMBER: ~~437631/153050055~~

FACILITY APPROVAL NUMBER: ~~PPNJ #100915-0352~~

PROJECT #15-113

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other **PPark NJ LLC**
100 Planten Ave
Prospect Park NJ 07508

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: 255 East 138th Street 255 East 138th Bronx NY 10451	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: 347-498-4914	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non Regulated Material, Non DOT, Non-RCRA, NJ SRS Residential Clean Soil. *Non Hazard*

Approved Grids-CIRCLE ANY THAT APPLY. WC-11 (10'-15') WC-16 (15'-20')

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: *Letting Construction* Title: _____
Signature: *Ronald Campanelli* Date and Time: *8-11-16 11:00*

TRANSPORTER

Company: *ORIEL* Phone Number: _____
Address: _____ Truck # and License Plate: *AT259F*
Driver: *Denny* SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1234014

137671

GLOBAL JOB NUMBER: 137691/153030055

FACILITY APPROVAL NUMBER: PPNJ #100915-0352

153071118

PROJECT #15-113

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other PPark NJ LLC
100 Platan Ave
Prospect Park NJ 07508

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: 255 East 138th Street 255 East 138th Bronx NY 10451	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: 347-498-4914	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non Regulated Material, Non DOT, Non-RCRA, NJ SRS Residential Clean Soil.

Approved Grids CIRCLE ANY THAT APPLY. WC-11 (10'-15') WC-16 (15'-20')

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: John S. [Signature] Title: Owner
Signature: [Signature] Date and Time: 08 11 16 2:15

TRANSPORTER

Company: _____ Phone Number: _____
Address: _____ Truck # and License Plate: AT490B
Driver: CRISTHIAN AVEROS SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 8 11 16

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature] Date and Time: 8 11 16

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 123401

1

GLOBAL JOB NUMBER: 157111
437631/15309055

FACILITY APPROVAL NUMBER: 153071118
PEN1100915-0552

PROJECT #15-113

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
84 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other **EPark M LLC**
100 Pleasant Ave
Prospect Park NJ 07508

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS 255 East 138th Street Bronx NY 10451	GROSS WEIGHT <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: 347-498-4214	TARE WEIGHT <input type="checkbox"/> Tons <input type="checkbox"/> Yards
DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION Non Regulated Material, Non DOT, Non RCRA, NJ SRS Residential Clean Soil	NET WEIGHT <input type="checkbox"/> Tons <input type="checkbox"/> Yards

Approved Gids **CIRCLE ANY THAT APPLY** WC-11 (10-15) WC-16 (15-20)

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [Signature] Title: [Signature]
Signature: [Signature] Date and Time: 8-12-16 7:20

TRANSPORTER
Company: JSI #11 Phone Number: _____
Address: _____ Truck # and License Plate: AT 805 D
Driver: [Signature] SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 8-12-16

DESTINATION
I hereby certify that the above named material was delivered without incident to the facility noted above.
Driver Signature: [Signature] Date and Time: 8-12-16

I hereby certify that the above named material has been accepted at the above referenced facility.
Authorized Signature: _____ Date and Time: _____



Manifest # 1302024

2

GLOBAL JOB NUMBER: 137631 * FACILITY APPROVAL NUMBER: 153071118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Generator Name & Site Address: 255 East 130th St., Bronx, NY 10029. Gross Weight, Tare Weight, Net Weight sections.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected. I hereby certify that the above named material does not contain free liquid...

TRANSPORTER: Valiant Contracting, LLC. Company: 173 Howard Blvd, Ledgewood, NJ 07852. Phone Number: 973-234-5668. Driver Signature: [Signature]

DESTINATION: I hereby certify that the above named material was delivered without incident to the facility noted above. Driver Signature: [Signature]

SITE



Manifest # 1234017

3

GLOBAL JOB NUMBER: 137671

FACILITY APPROVAL NUMBER: 133071118
PROJECT #19-111

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other: Parkville
100 Flanten Ave
Prospect Park NJ 07508

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>285 East 138th Street</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
<u>285 East 138th</u>	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
<u>Bronx NY 10451</u>	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: <u>347-408-4914</u>	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non Regulated Material, Non DOT, Non-RCRA, NJ SRS Residential Clean Soil
Approved Cont. CIRCLE ANY THAT APPLY. WC-11 (10-13) WC-16 (15-20)

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [Signature] Title: [Signature]
Signature: [Signature] Date and Time: 08-15-16 10:00 AM

TRANSPORTER

Company: ASL #11 Phone Number: _____
Address: _____ Truck # and License Plate: 17 588 D
Driver: [Signature] SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 08-15-16

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature] Date and Time: 08-15-16

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



4

Manifest # 3204010

137571

193071118

GLOBAL JOB NUMBER: 127011/15303005

FACILITY APPROVAL NUMBER: PENN 41001111857

PROJECT 515-113

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 2 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes handwritten address: 255 East 138th Street, Bronx NY 10451 and phone: 247-498-4914.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non Regulated Material, Non DOT, Non-RCRA, NJ SRS Residential Clean Soil. Approved Cids: WC-11 (10-15'), WC-16 (15-20')

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [Signature], Title: [Signature], Signature: [Signature], Date and Time: 08-12-16 10:00

TRANSPORTER

Company: [Signature], Address: [Signature], Driver: [Signature], Phone Number: [Signature], Truck # and License Plate: 13 01 173 E, SW Haulers Permit #: [Signature]

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature], Date and Time: 08/12/16

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature], Date and Time: [Signature]

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [Signature], Date and Time: [Signature]

SITE



Manifest # 1052004

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: _____ GROSS WEIGHT: [] Tons [] Yards
TARE WEIGHT: [] Tons [] Yards
GENERATOR'S PHONE: _____ NET WEIGHT: [] Tons [] Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.
I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.
Name: _____ Title: _____
Signature: _____ Date and Time: _____

TRANSPORTER
Company: _____ Phone Number: _____
Address: _____ Truck # and License Plate: _____
Driver: _____ SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)
I hereby certify that the above named material was picked up at the site listed above.
Driver Signature: _____ Date and Time: _____

DESTINATION
I hereby certify that the above named material was delivered without incident to the facility noted above.
Driver Signature: _____ Date and Time: _____
I hereby certify that the above named material has been accepted at the above referenced facility.
Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1000005

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: _____	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
_____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____
Address: _____ Truck # and License Plate: _____
Driver: _____ SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



2

Manifest # 1131759

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Keamy, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: _____	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards	
	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards	
GENERATOR'S PHONE: _____	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____
Address: _____ Truck # and License Plate: _____
Driver: _____ SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1305005

GLOBAL JOB NUMBER: 137341

FACILITY APPROVAL NUMBER: 137341

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes checkboxes for Tons and Yards.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected. I hereby certify that the above named material does not contain free liquid...

TRANSPORTER - Company, Address, Driver, Phone Number, Truck # and License Plate, SW Haulers Permit #. Includes Driver Signature and Date/Time.

DESTINATION - I hereby certify that the above named material was delivered without incident to the facility noted above. Includes Driver Signature and Date/Time.

SITE



Manifest # 187A31

GLOBAL JOB NUMBER: 187A31

FACILITY APPROVAL NUMBER: 187A31

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>Latimer Corp</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
<u>25000 lbs</u>	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Latimer Corp Title: Owner
 Signature: [Signature] Date and Time: 8-14-16

TRANSPORTER

Company: SW Haulers Phone Number: _____
 Address: _____ Truck # and License Plate: AS742V-42
 Driver: [Signature] SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 8-14-16

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1204213

GLOBAL JOB NUMBER: 137681

FACILITY APPROVAL NUMBER: 159071118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 2 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes handwritten entries for generator name and weights.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [Signature] Title: [Signature] Signature: [Signature] Date and Time: 9-19-16

TRANSPORTER

Company: [Signature] Phone Number: [Signature] Address: [Signature] Truck # and License Plate: [Signature] Driver: [Signature] SW Haulers Permit #: [Signature]

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: [Signature]

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature] Date and Time: [Signature]

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [Signature] Date and Time: [Signature]

SITE



Manifest # 1234212

GLOBAL JOB NUMBER: 1776-11

FACILITY APPROVAL NUMBER: 15927111R

Please Check One:

- Clean Earth of Carteret, Maryland, New Castle, Greater Washington, Philadelphia, North Jersey, Southeast Pennsylvania, and Other.

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, and Net Weight.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law...

Name: Signature: Title: Date and Time: 9-14-16

TRANSPORTER

Company: SAHLEY ERIC S Phone Number: 408-253-0597
Address: 700 ... Truck # and License Plate: ...
Driver: ... SW Haulers Permit #: ...

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 9-14-16

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time: 9-14-16

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time:

SITE



Manifest # 2290694

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- | | | | |
|---------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909 | <input type="checkbox"/> Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-8220 | <input type="checkbox"/> Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633 | <input type="checkbox"/> Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939 |
| <input type="checkbox"/> Clean Earth of Philadelphia
3201 S. 81st Street
Philadelphia, PA 19153
Ph: 215-724-5520 | <input type="checkbox"/> Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004 | <input type="checkbox"/> Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700 | <input type="checkbox"/> Other: _____ |

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE:	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____
Address: _____ Truck # and License Plate: _____
Driver: _____ SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

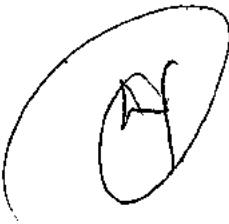
I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1203500

GLOBAL JOB NUMBER: 137031

FACILITY APPROVAL NUMBER: 153071118

Please Check One:

- Clean Earth of Carteret, Maryland, New Castle, Greater Washington, Philadelphia, North Jersey, Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 2 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes handwritten entries for 'LETTER' and '138 ST'.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law...

Name: [Signature] Title: [Signature] Signature: [Signature] Date and Time: 11/15

TRANSPORTER

Company: [Signature] Phone Number: [Signature] Address: [Signature] Truck # and License Plate: 196 1-2613 Driver: [Signature] SW Haulers Permit #: [Signature]

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 11/15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature] Date and Time: 11/15

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [Signature] Date and Time: [Signature]

SITE



1

Manifest # 1233368

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other: _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: _____	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
_____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____
Address: _____ Truck # and License Plate: _____
Driver: _____ SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1220113

②

GLOBAL JOB NUMBER: 137631 FACILITY APPROVAL NUMBER: 153071118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: 255 - 138th St. Bronx, NY
GROSS WEIGHT: Tons Yards
TARE WEIGHT: Tons Yards
GENERATOR'S PHONE:
NET WEIGHT: Tons Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Title:
Signature: Date and Time: 07/15/16

TRANSPORTER

Company: Shirley Press LLC Phone Number:
Address: Hillside NJ Truck # and License Plate: 04-AP4997
Driver: Carlos SW Haulers Permit #: Shirley (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 7-15-16

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time:

SITE



3

Manifest # 1200704

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 153071118

Please Check One:

- Clean Earth of Carteret, Maryland, New Castle, Greater Washington, Philadelphia, North Jersey, Southeast Pennsylvania, Other.

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with weight information: GENERATOR'S NAME & SITE ADDRESS, GROSS WEIGHT, TARE WEIGHT, NET WEIGHT.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law...

Name, Title, Signature, Date and Time fields.

TRANSPORTER

Company, Address, Driver, Phone Number, Truck # and License Plate, SW Haulers Permit #.

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature, Date and Time fields.

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature, Date and Time fields.

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature, Date and Time fields.

SITE



Manifest # 522285

GLOBAL JOB NUMBER: 157631 FACILITY APPROVAL NUMBER: 1-307

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Other, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS, GROSS WEIGHT, TARE WEIGHT, GENERATOR'S PHONE, NET WEIGHT

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected. I hereby certify that the above named material does not contain free liquid...

TRANSPORTER - Company, Address, Driver, Phone Number, Truck # and License Plate, SW Haulers Permit #

DESTINATION - I hereby certify that the above named material was delivered without incident to the facility noted above.

SITE



5

Manifest # 123456

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other: _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>233 S. 1st Street</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Waste #123

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____
Address: _____ Truck # and License Plate: _____
Driver: _____ SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



6

Manifest # 2288120

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 15307118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes handwritten entries: 255-138th St, Bronx - NY.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Title: Signature: Date and Time:

TRANSPORTER

Company: Skiley Express LLC, Address: 1 Hillside St, Driver: Carlos, Phone Number, Truck # and License Plate: 04-AP494Y, SW Haulers Permit #: Skiley

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Carlos, Date and Time: 9-15-16

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time:

SITE



Manifest # 1285993

GLOBAL JOB NUMBER: 107

FACILITY APPROVAL NUMBER: 711

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 2 columns: Generator information (Name & Site Address, Phone) and Weight information (Gross, Tare, Net weight in Tons or Yards)

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Signature: Title: Date and Time:

TRANSPORTER

Company: Address: Driver: Phone Number: Truck # and License Plate: SW Haulers Permit #: (Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time:

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time:

SITE



Manifest # 1255500

GLOBAL JOB NUMBER: 1255500

FACILITY APPROVAL NUMBER: 1255500

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Generator's Phone, Net Weight.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Title: Signature: Date and Time:

TRANSPORTER

Company: Phone Number: Address: Truck # and License Plate: Driver: SW Haulers Permit #: (Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time:

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time:



Manifest # _____

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>11000 ...</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
<u>...</u>	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
 Signature: _____ Date and Time: _____

TRANSPORTER

Company: ... Phone Number: _____
 Address: ... Truck # and License Plate: ...
 Driver: ... SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 2236892

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- | | | | |
|---------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909 | <input type="checkbox"/> Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220 | <input type="checkbox"/> Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633 | <input type="checkbox"/> Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939 |
| <input type="checkbox"/> Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520 | <input type="checkbox"/> Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004 | <input type="checkbox"/> Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700 | <input type="checkbox"/> Other _____ |

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
	<input type="checkbox"/> Tons <input type="checkbox"/> Yards	
GENERATOR'S PHONE: _____	TARE WEIGHT:	
	<input type="checkbox"/> Tons <input type="checkbox"/> Yards	
	NET WEIGHT:	
	<input type="checkbox"/> Tons <input type="checkbox"/> Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____
Address: _____ Truck # and License Plate: _____
Driver: _____ SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 123001

GLOBAL JOB NUMBER: 1907621

FACILITY APPROVAL NUMBER: 1907621

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Keamy, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: 1234567890	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____
Address: _____ Truck # and License Plate: _____
Driver: _____ SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1284202

GLOBAL JOB NUMBER: 117-111

FACILITY APPROVAL NUMBER: 150-7118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with weight information: GENERATOR'S NAME & SITE ADDRESS, GROSS WEIGHT, TARE WEIGHT, NET WEIGHT, and GENERATOR'S PHONE.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Title: Signature: Date and Time:

TRANSPORTER

Company: Phone Number: Address: Truck # and License Plate: Driver: SW Haulers Permit #: (Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time:

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time:

SITE



2

Manifest # 10107111

GLOBAL JOB NUMBER: 10107111

FACILITY APPROVAL NUMBER: 10107111

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>10107111</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____
Address: _____ Truck # and License Plate: 14 A97534
Driver: _____ SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1008000

GLOBAL JOB NUMBER: 107501

FACILITY APPROVAL NUMBER: 109071112

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 2 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes checkboxes for Tons and Yards.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Title: Signature: Date and Time:

TRANSPORTER

Company: Phone Number: Address: Truck # and License Plate: Driver: SW Haulers Permit #: (Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time:

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time:

SITE



Manifest # 2004200

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 2 columns: Generator's Name & Site Address, Phone; Gross Weight, Tare Weight, Net Weight (Tons/Yards)

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____
Address: _____ Truck # and License Plate: _____
Driver: _____ SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



9/23/2016

Manifest # 2050607

GLOBAL JOB NUMBER: _____

FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-426-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: _____	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
_____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
 Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____
 Address: _____ Truck # and License Plate: _____
 Driver: _____ SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



2

Manifest # 2207503

GLOBAL JOB NUMBER: 1137651

FACILITY APPROVAL NUMBER: 1591112

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes checkboxes for Tons and Yards.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Title: Signature: Date and Time:

TRANSPORTER

Company: Phone Number: Address: Truck # and License Plate: Driver: SW Haulers Permit #: (Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time:

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time:

SITE



3

Manifest # 1004204

GLOBAL JOB NUMBER: 19710

FACILITY APPROVAL NUMBER: 1004204

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 2 columns: Generator's Name & Site Address, Phone; Gross Weight, Tare Weight, Net Weight (Tons/Yards)

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name, Title, Signature, Date and Time

TRANSPORTER

Company, Address, Driver, Phone Number, Truck # and License Plate, SW Haulers Permit #

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature, Date and Time

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature, Date and Time

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature, Date and Time

SITE



4

Manifest # 1234596

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Keamy, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>1234567890</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
<u>1234567890</u>	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____
Address: _____ Truck # and License Plate: _____
Driver: _____ SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # _____

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:
	<input type="checkbox"/> Tons <input type="checkbox"/> Yards
	TARE WEIGHT:
	<input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	NET WEIGHT:
	<input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____
Address: _____ Truck # and License Plate: _____
Driver: _____ SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



6

Manifest # 2204594

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-8220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>IT-2215</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
<u>1915</u>	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

--

GENERATOR'S CERTIFICATION -- Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
 Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____
 Address: _____ Truck # and License Plate: _____
 Driver: _____ SW Haulers Permit #: _____
 (Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1301517

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Generator's Phone, Net Weight. Includes checkboxes for Tons and Yards.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____
Address: _____ Truck # and License Plate: _____
Driver: _____ SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1001516

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes checkboxes for Tons and Yards.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____
Address: _____ Truck # and License Plate: _____
Driver: _____ SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



CLEAN EARTH

Manifest # 1301514

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other: _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>1000 N. 11th Street</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
<u>11500 Loc 5</u>	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____
Address: _____ Truck # and License Plate: #16 H2 921A
Driver: _____ SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 10.04.15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



CLEAN EARTH

Manifest # 1001515

GLOBAL JOB NUMBER: 20001 FACILITY APPROVAL NUMBER: 1001515

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>1001515</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

1001515

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [Signature] Title: _____
Signature: _____ Date and Time: 10/20/00 8:10

TRANSPORTER

Company: _____ Phone Number: _____
Address: _____ Truck # and License Plate: 1001515
Driver: _____ SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 10/20/00

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: 10/20/00

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



CLEAN EARTH

Manifest # 1534010

GLOBAL JOB NUMBER: 17761 FACILITY APPROVAL NUMBER: 17761-119

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Generator's Phone, Net Weight.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Signature: Title: Date and Time:

TRANSPORTER

Company: Address: Driver: Phone Number: Truck # and License Plate: SW Haulers Permit #: (Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time:

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time:

SITE



Manifest # 1003900

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other.

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: _____ GROSS WEIGHT: []Tons []Yards
TARE WEIGHT: []Tons []Yards
GENERATOR'S PHONE: _____ NET WEIGHT: []Tons []Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.
I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.
Name: _____ Title: _____
Signature: _____ Date and Time: _____

TRANSPORTER
Company: _____ Phone Number: _____
Address: _____ Truck # and License Plate: _____
Driver: _____ SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)
I hereby certify that the above named material was picked up at the site listed above.
Driver Signature: _____ Date and Time: _____

DESTINATION
I hereby certify that the above named material was delivered without incident to the facility noted above.
Driver Signature: _____ Date and Time: _____
I hereby certify that the above named material has been accepted at the above referenced facility.
Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1301512

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 rows and 2 columns: GENERATOR'S NAME & SITE ADDRESS, GROSS WEIGHT, TARE WEIGHT, GENERATOR'S PHONE, NET WEIGHT. Includes checkboxes for Tons and Yards.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____
Address: _____ Truck # and License Plate: _____
Driver: _____ SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1003073

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Generator's Phone, Net Weight.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____
Address: _____ Truck # and License Plate: _____
Driver: _____ SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 2001580

GLOBAL JOB NUMBER: _____

FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: _____ _____ _____	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
 Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____
 Address: _____ Truck # and License Plate: _____
 Driver: _____ SW Haulers Permit #: _____
 (Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1001570

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight (Tons/Yards), Tare Weight (Tons/Yards), Generator's Phone, Net Weight (Tons/Yards)

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____
Address: _____ Truck # and License Plate: _____
Driver: _____ SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1301588

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Generator's Phone, Net Weight. Includes checkboxes for Tons and Yards.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected. I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10...

TRANSPORTER: Company, Address, Driver, Phone Number, Truck # and License Plate, SW Haulers Permit #. Includes a signature line for the driver.

DESTINATION: I hereby certify that the above named material was delivered without incident to the facility noted above. Driver Signature, Date and Time.



Manifest # 1301578

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: _____	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
_____	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____
Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____
Address: _____ Truck # and License Plate: _____
Driver: _____ SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1001577

GLOBAL JOB NUMBER: 11-9-01 FACILITY APPROVAL NUMBER: 11-9-01

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>State of NJ Dept of</u> <u>100 Canal Street</u> <u>Princeton NJ</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	TARE WEIGHT: <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [Signature] Title: [Signature]
 Signature: _____ Date and Time: _____

TRANSPORTER

Company: [Signature] Phone Number: _____
 Address: [Signature] Truck # and License Plate: _____
 Driver: [Signature] SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1001576

GLOBAL JOB NUMBER: _____ FACILITY APPROVAL NUMBER: _____

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: 1225 S. 11th St Phila, PA	GROSS WEIGHT:	
	<input type="checkbox"/> Tons <input type="checkbox"/> Yards	
	TARE WEIGHT:	
	<input checked="" type="checkbox"/> Tons <input type="checkbox"/> Yards	
GENERATOR'S PHONE:	NET WEIGHT:	
	<input type="checkbox"/> Tons <input type="checkbox"/> Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____

Signature: _____ Date and Time: _____

TRANSPORTER

Company: _____ Phone Number: _____

Address: _____ Truck # and License Plate: _____

Driver: _____ SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____



Manifest # 939197

GLOBAL JOB NUMBER: 187631

FACILITY APPROVAL NUMBER: 158071115

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-426-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: <u>1385 4th St, 1385 St</u>	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: <u>732-741-1387</u>	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [Signature] Title: [Signature]
Signature: [Signature] Date and Time: [Signature]

TRANSPORTER

Company: [Signature] Phone Number: [Signature]
Address: [Signature] Truck # and License Plate: [Signature]
Driver: [Signature] SW Haulers Permit #: [Signature]
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: [Signature]

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature] Date and Time: [Signature]

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [Signature] Date and Time: [Signature]

SITE



Manifest # 1001000

GLOBAL JOB NUMBER: 14782 FACILITY APPROVAL NUMBER: 1001000

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes handwritten entries for generator name and weight.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Signature: Title: Date and Time:

TRANSPORTER

Company: Address: Driver: Phone Number: Truck # and License Plate: SW Haulers Permit #:

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time:

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time:

SITE



Manifest # 1258538

GLOBAL JOB NUMBER: 127631

FACILITY APPROVAL NUMBER: 153071115

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 rows and 2 columns: GENERATOR'S NAME & SITE ADDRESS, GROSS WEIGHT, TARE WEIGHT, NET WEIGHT. Includes checkboxes for Tons and Yards.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected. I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10...

TRANSPORTER: Company, Address, Driver, Phone Number, Truck # and License Plate, SW Haulers Permit #, Driver Signature, Date and Time.

DESTINATION: I hereby certify that the above named material was delivered without incident to the facility noted above. Driver Signature, Date and Time, Authorized Signature, Date and Time.

SITE



Manifest # 1001590

GLOBAL JOB NUMBER: 171471 FACILITY APPROVAL NUMBER: 10071117

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS, GROSS WEIGHT, TARE WEIGHT, GENERATOR'S PHONE, NET WEIGHT

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected. I hereby certify that the above named material does not contain free liquid...

TRANSPORTER: Company, Address, Driver, Phone Number, Truck # and License Plate, SW Haulers Permit #, Driver Signature, Date and Time

DESTINATION: I hereby certify that the above named material was delivered without incident to the facility noted above. Driver Signature, Date and Time, Authorized Signature, Date and Time

SITE



Manifest # 1258537

GLOBAL JOB NUMBER: 157201

FACILITY APPROVAL NUMBER: 1530 71118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 2 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes handwritten entries for generator name and weights.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [Signature] Title: [Signature] Signature: [Signature] Date and Time: [Signature]

TRANSPORTER

Company: [Signature] Phone Number: 301-229-9227 Address: [Signature] Truck # and License Plate: #10 AT-1112 Driver: [Signature] SW Haulers Permit #: [Signature]

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 10/31/10

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature] Date and Time: [Signature]

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [Signature] Date and Time: [Signature]

SITE



Manifest # 1434181

GLOBAL JOB NUMBER: 137631 FACILITY APPROVAL NUMBER: 157071118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: 1318th St LLC, 255 East 1318th St, Bronx, NY. GROSS WEIGHT, TARE WEIGHT, NET WEIGHT sections with checkboxes for Tons and Yards.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION: no Hazard

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected. I hereby certify that the above named material does not contain free liquid... Name: Lorraine Comarino, Title: [Signature], Date and Time: 11-2-16 11:00 A.M.

TRANSPORTER: Company: Shirley Express LLC, Phone Number: (908) 258-0597, Address: 702 Ranney Ave, Hillside, NJ 07205, Truck # and License Plate: 420 45-551 P, Driver: [Signature], SW Haulers Permit #: NJ-983. I hereby certify that the above named material was picked up at the site listed above. Driver Signature: [Signature], Date and Time: 11/2/16

DESTINATION: I hereby certify that the above named material was delivered without incident to the facility noted above. Driver Signature: _____ Date and Time: _____ I hereby certify that the above named material has been accepted at the above referenced facility. Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1350489

GLOBAL JOB NUMBER: 111228 FACILITY APPROVAL NUMBER: 163071111

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 2 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes checkboxes for Tons and Yards.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected. I hereby certify that the above named material does not contain free liquid...

TRANSPORTER: Company, Address, Driver, Phone Number, Truck # and License Plate, SW Haulers Permit #

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time:

DESTINATION: I hereby certify that the above named material was delivered without incident to the facility noted above.

Authorized Signature: Date and Time:

SITE



Manifest # 800130

GLOBAL JOB NUMBER: 13763

FACILITY APPROVAL NUMBER: 153071118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Other, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania

Non-Hazardous Material Manifest

(Type or Print Clearly)

Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight, Generator's Phone

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

NON HAZ SOIL

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law...

Name, Title, Signature, Date and Time

TRANSPORTER

Company, Address, Driver, Phone Number, Truck # and License Plate, SW Haulers Permit #

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature, Date and Time

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature, Date and Time

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature, Date and Time

SITE

4



Manifest # 939186

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 19307118

Please Check One:

- Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: 138th ST LLC	GROSS WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
455 East 138th St Bronx NY	TARE WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards
GENERATOR'S PHONE: _____	NET WEIGHT: <input type="checkbox"/> Tons <input type="checkbox"/> Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

No Hazards

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Helene Aquino Title: _____
Signature: Helene Aquino Date and Time: 11-03-16

TRANSPORTER

Company: TDC #3 Phone Number: 201-279-9999
Address: 75 WINDYBARK ST Truck # and License Plate: AT712B
Driver: MASON NJ SW Haulers Permit #: 944
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 11/2/16

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: 11/2/16

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 939185

GLOBAL JOB NUMBER: 137631 FACILITY APPROVAL NUMBER: 153071118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes handwritten entries for 138th St LLC and 255 East 138th St Bronx NY.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

No Hazard

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Lettine Construction Title: Signature: Norman Conover Date and Time: 11-03-16 8:35

TRANSPORTER

Company: JDC TRUCKING INC. Phone Number: 201-979-9999 Address: 75 WINDSOR ST KEARNY NJ Truck # and License Plate: #4 AT 712B Driver: CARLOS OLIVEIRA SW Haulers Permit #: NJ 942

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 11/3/16

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time:

SITE



Manifest # 800129

GLOBAL JOB NUMBER: 187 631 FACILITY APPROVAL NUMBER: 1130 07 1118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Other, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania

Non-Hazardous Material Manifest

(Type or Print Clearly)

Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight, Generator's Phone

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

NON HAZ SOIL

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law...

Name: Mattie Construction Title: Date and Time: 11/3/16 8:15

TRANSPORTER

Company: JDE TRUCKING INC Phone Number: 201 889 7241
Address: 75 WINDSOR ST BRIDGEMAN NJ Truck # and License Plate:
Driver: JACK OLIVEIRA SW Haulers Permit #: #6-A1713B

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 11/3/16

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time: 11/3/16

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time:

SITE



Manifest # 939184

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 153071118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Generator information table including Name & Site Address (138th St LLC, 255 East 138th St, Bronx, N.Y.), Gross Weight, Tare Weight, and Net Weight.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

NO Hazard

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Lorraine Riquelme, Title: General, Signature: Lorraine Riquelme, Date and Time: 11-03-16 7:50

TRANSPORTER

Company: JDC #28, Phone Number: 201 279 9999, Address: 75 WINDSOR ST, Truck # and License Plate: A7712B, Driver: BOSS, Love, SW Haulers Permit #: 244

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature], Date and Time: 11/3/16

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature], Date and Time: 11/3/16

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE

6



CLEAN EARTH

Manifest # 939195

GLOBAL JOB NUMBER: 137631 FACILITY APPROVAL NUMBER: 153071118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes handwritten entries for 138" SI LLC and 255 East 138" SI.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Handwritten entry: No Hazard

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Letitia, Title: [Signature], Signature: [Signature], Date and Time: 11-03-16, 11:35 AM

TRANSPORTER

Company: JDC TRUCKING INC, Phone Number: 201 279 9999, Address: 75 WINDSOR ST KEARNY NJ, Truck # and License Plate: #4 AT712B, Driver: Carlos OLIVERA, SW Haulers Permit #: NJ 944

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature], Date and Time: 11/3/16

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1254025

GLOBAL JOB NUMBER: 137631

FACILITY APPROVAL NUMBER: 15307118

Please Check One:

- Clean Earth of Carteret, Maryland, New Castle, Greater Washington, Philadelphia, North Jersey, Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes handwritten entries for address and weight.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Handwritten description: 138" ST HC / 138" ST

GENERATOR'S CERTIFICATION -- Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law...

Name: [Signature], Title: [Signature], Signature: [Signature], Date and Time: 11-01-16 8:15

TRANSPORTER

Company: C.V. TRUCKING, Address: 182 CALCUTA ST, Driver: SERGIO LEONARDO, Phone Number, Truck # and License Plate: 57-AT 537B-

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature], Date and Time: 10-1-16

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature], Date and Time: 10-1-16

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1353978

GLOBAL JOB NUMBER: 137631 FACILITY APPROVAL NUMBER: 153071111

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes handwritten address: 138th St LLC, 138th St, Bronx, NY.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [Handwritten], Title: [Handwritten], Signature: [Handwritten], Date and Time: 11-01-16

TRANSPORTER

Company: [Handwritten], Phone Number: [Handwritten], Address: [Handwritten], Truck # and License Plate: [Handwritten], Driver: [Handwritten], SW Haulers Permit #: [Handwritten]

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Handwritten], Date and Time: 11-1-16

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE



Manifest # 1353977

GLOBAL JOB NUMBER: 137631 FACILITY APPROVAL NUMBER: 152071118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight fields with checkboxes for Tons and Yards.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

No Haz...

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law...

Name, Title, Signature, Date and Time fields for generator certification.

TRANSPORTER

Company, Address, Driver, Phone Number, Truck # and License Plate, SW Haulers Permit # fields.

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature, Date and Time fields for transporter certification.

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature, Date and Time fields for destination certification.

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature, Date and Time fields for facility acceptance.

SITE

1259685
784936
1259653
1259686

1/7/2016 SCALPEL

17 LOADS SCALPEL
SCALPEL 11 LOADS TOTAL

TOTAL 420
+ 4

424



EXHIBIT A
Material Profile Sheet

Global Job #
Sales Rep Schrof

Faster, smarter, greener solutions.™

- Clean Earth of Carteret
Clean Earth of Maryland
Clean Earth of Williamsport
Clean Earth of Southeast Pennsylvania
Clean Earth of Philadelphia
Clean Earth of New Castle
Clean Earth of Greater Washington

A. Waste Generator/Job Site Information

- 1. Generator Name: 138th Street LLC
2. Generator Address: 334-336 110th St.
3. Generator City/St/Zip: New York, NY 10029
4. Generator Phone: 212-996-6640
5. Generator Contact: Joe Vitale
6. Generator Email: jvitale@lettire.com
7. Generator County: King
8. Job Site Name: BCD: A 280 Ashland Place
9. Job Site Address: 255 East 138th Street
10. Job Site City/St/Zip: Bronx, NY
11. Job Site Phone: 917-636-2005
12. Job Site Contact: Joe Vitale
13. Job Site Email: jvitale@lettire.com
14. Job Site County: Kings

Billing Information

- 15. Customer Name: Lettire Construction Corp.
16. Customer Address: 334-336 110th St.
17. Customer City/St/Zip: New York, NY 10029
18. Customer Phone: 917-636-2005
19. Customer Contact: Joe Vitale
20. Customer Email: jvitale@lettire.com

B. Waste Stream Information

- 1. Name of waste: urban fill
2. State waste code(s) (if applicable):
3. Process generating waste (attach separate sheet, if necessary): soil generated for commercial dev.
4. Is this waste a soil amendment (i.e., bio-solids, paper pulp sludge, lime neutralized industrialized water sludge, water potable treatment plant sludge)?
5. Estimated quantity of waste: 2000
6. Term of project: Recurring One Time

C. Waste Composition/Characteristics

- 1. Source of contamination (i.e., UST, AST, leak, spill, non specific): non-specific
2. Type of contamination (i.e., diesel, gasoline, waste oil, heating oil, MGP, etc.): urban fill
3. Contaminants of concern: non-specific, see data
4. Provide a site history detailing past and present land uses, on site storage/process information, and any activities related to contaminants of concern (attach a separate sheet if necessary):
5. Composition of waste (clay, rock, sand, moisture, chemical, constituents, contaminants, etc., should equal 100%):
6. Is this site a State or Federal Superfund Site?
7. Is laboratory report being supplied with this profile?
7a. If yes, you will need to attach a sampling plan description and a diagram of sampling locations that ties to the data. Please refer to the "Site Sampling Diagram" form in your approval package for guidance.
8. Is the waste represented in this waste profile classified as a radioactive material under USEPA 40 CFR 191.12 or other applicable regulatory provisions?
9. Does the waste represented contain any levels of polychlorinated biphenyls (PCBs)?
9a. If yes, list the level:
9b. If yes, is the waste material TSCA regulated or defined as a PCB remediation waste under TSCA?
10. Does the waste represented contain herbicides, pesticides, asbestos, insecticides or residues thereof at concentrations that would render it hazardous as defined by 40 CFR 261 or subject to additional state or federal regulations?

C. Waste Composition/Characteristics (continued)

- 11. The waste represented in this profile is generated as a result of the corrective response taken under the Federal Underground Storage Tank Regulation 40 CFR 280. Yes No
- 12. Is the waste a dioxin bearing waste? Yes No
- 13. Is the waste a treatment residue from a previously listed or characteristic hazardous waste? Yes No
- 14. Is there a nuisance level of odor associated with this waste? Yes No
- 15. Are there any special handling instructions for management of this waste? Yes No
- 16. Have any odor suppressing foams or absorbents been added to the waste? Yes No
- 17. Does this waste represented contain Coal Combustion By-products (CCB); e.g., Fly Ash, Slag? (Applicable to Maryland facilities.) Yes No N/A
- 18. If yes to any of the above questions, please explain (attach an additional sheet if necessary):

D. Generator Certification

- 1. I certify that the waste represented by this profile is not a listed hazardous waste, nor does it contain a listed hazardous waste, nor does it exhibit any characteristics of a hazardous waste as defined by 40 CFR 261. Yes No
- 2. I certify that this waste profile and all attachments contain true and accurate descriptions of the waste material. Yes No
- 3. I certify that all relevant information in possession of the Generator pertaining to known or suspected hazards with regard to the waste has been disclosed to Clean Earth. Yes No
- 4. I certify that all changes that occur in the characteristics of the waste will be identified by the Generator and disclosed to Clean Earth prior to providing the waste to Clean Earth. Yes No
- 5. I certify that the analytical data attached hereto are derived from testing representative sample(s) as referenced in 40 CFR 261.20 or an equivalent state regulatory provision. Yes No N/A
- 6. For sites that contain "clean fill," the undersigned certifies that a site investigation was conducted and that the soil was characterized according to the proposed Clean Earth facility(s) acceptance criteria for soil classification as "clean fill" and where applicable in accordance with the Pennsylvania Management of Fill Policy. Yes No N/A
- 7. The undersigned has determined the non-hazardous status of the said waste is in accordance with 40 CFR 262.11. Should, at any time after delivery, the material accepted by Clean Earth be found to be non-conforming to the information certified in this profile and represented by documentation attached hereto, it becomes the responsibility of the Generator/Agent to remove the waste from the designated Clean Earth facility within five (5) days of notification. Notification is to be verbal followed by written notification, overnight receipted. It is the Generator's/ Agent's responsibility to abide by all Federal, State and Local regulations associated with the removal of their waste. If the waste is not removed within the specified time period, said disposal shall be arranged by a Clean Earth representative and billed to the Generator/Agent at cost plus basis. Furthermore, the Generator/Agent will be responsible for any and all costs for decontamination required by the Clean Earth facility that is related to the Generator's/Agent's material and all liability for such nonconforming waste shall revert to Generator/Agent. Yes No

*Certification

Signature: _____ Date: _____

Name (type or print): _____ Company: _____

*If someone other than the Generator is signing this profile or intends to sign any paperwork (which includes, but is not limited to, additional certifications, manifests, etc.) pertaining to this waste profile, authorization from the Generator, on the Generator's letterhead, must be supplied to Clean Earth prior to acceptance of waste material.

E. Clean Earth Waste Approval Decision

- 1. Treatment Option(s) _____
- 2. Proposed Treatment Facility(s) _____
- 3. Supplemental information (special handling, hours of acceptance, etc.): _____

4. Approval decision: Approved Denied Approved tonnages: _____

4a. If denied, please indicate the reason in the space provided: _____

5. Approval Signature: _____ Date: _____

6. Facility Manager's Signature: _____ Date: _____



EXHIBIT A
Material Profile Sheet

Global Job #
Sales Rep Schrof

Faster, smarter, greener solutions.

- Selection of regional offices: Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of Williamsport, Clean Earth of Southeast Pennsylvania, Clean Earth of Philadelphia, Clean Earth of New Castle, Clean Earth of Greater Washington.

A. Waste Generator/Job Site Information

- Generator Name: 138th Street LLC; Job Site Name: BCD: A 280 Ashland Place
Generator Address: 334-336 110th St.; Job Site Address: 255 East 138th Street
Generator City/State/Zip: New York, NY 10029; Job Site City/State/Zip: Bronx, NY
Generator Phone: 212-996-6640; Job Site Phone: 917-636-2005
Generator Contact: Joe Vitale; Job Site Contact: Joe Vitale
Generator Email: jvitale@lettire.com; Job Site Email: jvitale@lettire.com
Generator County: King; Job Site County: Kings

Billing Information

- Customer Name: Lettire Construction Corp.; Customer Phone: 917-636-2005
Customer Address: 334-336 110th St.; Customer Contact: Joe Vitale
Customer City/State/Zip: New York, NY 10029; Customer Email: jvitale@lettire.com

B. Waste Stream Information

- Name of waste: urban fill; State waste code(s):
Process generating waste: soil generated for commercial dev.
Is this waste a soil amendment...? Yes No N/A
Estimated quantity of waste: 2000 Tons Gallons Cubic Yards; Term of project: Recurring One Time

C. Waste Composition/Characteristics

- Source of contamination: non-specific
Type of contamination: urban fill
Contaminants of concern: non-specific, see data
Provide a site history detailing past and present land uses...
Composition of waste: 95 soil %, 5 rock, brick, block %
Is this site a State or Federal Superfund Site? Yes No
Is laboratory report being supplied...? Yes No
Is the waste represented in this waste profile classified as a radioactive material...? Yes No
Does the waste represented contain any levels of polychlorinated biphenyls (PCBs)? Yes No
If yes, list the level:
If yes, is the waste material TSCA regulated...? Yes No N/A
Does the waste represented contain herbicides, pesticides, asbestos...? Yes No

C. Waste Composition/Characteristics (continued)

- 11. The waste represented in this profile is generated as a result of the corrective response taken under the Federal Underground Storage Tank Regulation 40 CFR 280. Yes No
- 12. Is the waste a dioxin bearing waste? Yes No
- 13. Is the waste a treatment residue from a previously listed or characteristic hazardous waste? Yes No
- 14. Is there a nuisance level of odor associated with this waste? Yes No
- 15. Are there any special handling instructions for management of this waste? Yes No
- 16. Have any odor suppressing foams or absorbents been added to the waste? Yes No
- 17. Does this waste represented contain Coal Combustion By-products (CCB); e.g., Fly Ash, Slag? (Applicable to Maryland facilities.) Yes No N/A
- 18. If yes to any of the above questions, please explain (attach an additional sheet if necessary):

D. Generator Certification

- 1. I certify that the waste represented by this profile is not a listed hazardous waste, nor does it contain a listed hazardous waste, nor does it exhibit any characteristics of a hazardous waste as defined by 40 CFR 261. Yes No
- 2. I certify that this waste profile and all attachments contain true and accurate descriptions of the waste material. Yes No
- 3. I certify that all relevant information in possession of the Generator pertaining to known or suspected hazards with regard to the waste has been disclosed to Clean Earth. Yes No
- 4. I certify that all changes that occur in the characteristics of the waste will be identified by the Generator and disclosed to Clean Earth prior to providing the waste to Clean Earth. Yes No
- 5. I certify that the analytical data attached hereto are derived from testing representative sample(s) as referenced in 40 CFR 261.20 or an equivalent state regulatory provision. Yes No N/A
- 6. For sites that contain "clean fill," the undersigned certifies that a site investigation was conducted and that the soil was characterized according to the proposed Clean Earth facility(s) acceptance criteria for soil classification as "clean fill" and where applicable in accordance with the Pennsylvania Management of Fill Policy. Yes No N/A
- 7. The undersigned has determined the non-hazardous status of the said waste is in accordance with 40 CFR 262.11. Should, at any time after delivery, the material accepted by Clean Earth be found to be non-conforming to the information certified in this profile and represented by documentation attached hereto, it becomes the responsibility of the Generator/Agent to remove the waste from the designated Clean Earth facility within five (5) days of notification. Notification is to be verbal followed by written notification, overnight receipted. It is the Generator's/Agent's responsibility to abide by all Federal, State and Local regulations associated with the removal of their waste. If the waste is not removed within the specified time period, said disposal shall be arranged by a Clean Earth representative and billed to the Generator/Agent at cost plus basis. Furthermore, the Generator/Agent will be responsible for any and all costs for decontamination required by the Clean Earth facility that is related to the Generator's/Agent's material and all liability for such nonconforming waste shall revert to Generator/Agent. Yes No

*Certification

Signature: _____ Date: _____
 Name (type or print): _____ Company: _____

*If someone other than the Generator is signing this profile or intends to sign any paperwork (which includes, but is not limited to, additional certifications, manifests, etc.) pertaining to this waste profile, authorization from the Generator, on the Generator's letterhead, must be supplied to Clean Earth prior to acceptance of waste material.

E. Clean Earth Waste Approval Decision

- 1. Treatment Option(s) _____
- 2. Proposed Treatment Facility(s) _____
- 3. Supplemental information (special handling, hours of acceptance, etc.): _____

4. Approval decision: Approved Denied Approved tonnages: _____
 4a. If denied, please indicate the reason in the space provided: _____

5. Approval Signature: _____ Date: _____
 6. Facility Manager's Signature: _____ Date: _____



Manifest # 1294200

GLOBAL JOB NUMBER: 137-831

FACILITY APPROVAL NUMBER: 153071115

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Final Manifests 11/2016

Material Manifest

(Type or Print Clearly)

Form with fields: GENERATOR'S NAME & SITE, GROSS WEIGHT, TARE WEIGHT, NET WEIGHT, GENERATOR'S PHONE

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected. I hereby certify that the above named material does not contain free liquid...

TRANSPORTER - Company, Address, Driver, Phone Number, Truck # and License Plate, SW Haulers Permit #

DESTINATION - I hereby certify that the above named material was delivered without incident to the facility noted above.

SITE



Manifest # 939196

GLOBAL JOB NUMBER: 137631 FACILITY APPROVAL NUMBER: 158071118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes handwritten entries for address and weight.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law...

Name: [Signature] Title: [Signature] Signature: [Signature] Date and Time: 11-07-16

TRANSPORTER

Company: M.B. Trucking Phone Number: [Blank] Address: Belleville, NJ Truck # and License Plate: #7 A-1710 Driver: [Signature] SW Haulers Permit #: [Blank]

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 11-07-16

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Blank] Date and Time: [Blank]

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [Blank] Date and Time: [Blank]

SITE



Manifest # 1294199

GLOBAL JOB NUMBER: 13763A

FACILITY APPROVAL NUMBER: 153071118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Generator's Phone, Net Weight.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [Signature] Title: [Signature] Signature: [Signature] Date and Time: 11-07-16 11:20

TRANSPORTER

Company: MCB Trucking Phone Number: Address: BELLEVILLE MS Truck # and License Plate: 9 A5688P Driver: MAURICIO BENTON SW Haulers Permit #: (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 11-07-16 12:00 AM

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time:

SITE



Manifest # 1294201

GLOBAL JOB NUMBER: 187631 FACILITY APPROVAL NUMBER: 0009111

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Generator's Phone, Net Weight.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Title: Signature: Date and Time:

TRANSPORTER

Company: MCB Trucking, Phone Number: Address: Galloway NJ, Truck # and License Plate: 9 AS698P, Driver: SW Haulers Permit #:

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time:

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time:

SITE



Manifest # 1353610

GLOBAL JOB NUMBER: 137631 FACILITY APPROVAL NUMBER: 152071110

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name, Title, Signature, Date and Time

TRANSPORTER

Company, Address, Driver, Phone Number, Truck # and License Plate, SW Haulers Permit #

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature, Date and Time

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature, Date and Time

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature, Date and Time

SITE



Manifest # 1353605

GLOBAL JOB NUMBER: 137621 FACILITY APPROVAL NUMBER: 153071118

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes checkboxes for Tons and Yards.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected. I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10...

Name: Signature: Title: Date and Time:

TRANSPORTER Company: Address: Driver: Phone Number: Truck # and License Plate: SW Haulers Permit #:

I hereby certify that the above named material was picked up at the site listed above. Driver Signature: Date and Time:

DESTINATION I hereby certify that the above named material was delivered without incident to the facility noted above. Driver Signature: Date and Time: I hereby certify that the above named material has been accepted at the above referenced facility. Receiver Signature: Date and Time:

SITE



Manifest # 1294205

GLOBAL JOB NUMBER: 13757 FACILITY APPROVAL NUMBER: 876, 112

Please Check One:

- Clean Earth of Carteret (checked), Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other.

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Generator's Phone, Net Weight.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Title: Signature: Date and Time:

TRANSPORTER

Company: TEV #15, Address: 192 CALCUTA ST. NEWARK NJ, Phone Number: Truck # and License Plate: AS A45G, NJ, Driver: SW Haulers Permit #:

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time:

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time:

SITE



A207 310

Manifest # 1353806

GLOBAL JOB NUMBER: 137631 FACILITY APPROVAL NUMBER: 153071111

Please Check One:

- Clean Earth of Carteret, Clean Earth of Maryland, Clean Earth of New Castle, Clean Earth of Greater Washington, Clean Earth of Philadelphia, Clean Earth of North Jersey, Clean Earth of Southeast Pennsylvania, Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Table with 3 columns: Generator's Name & Site Address, Gross Weight, Tare Weight, Net Weight. Includes handwritten address: 138th St LLC, 255 East 138th St, Bronx, NY.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

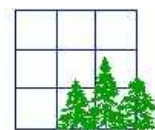
GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected. I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10...

TRANSPORTER: Company: Shirley Express LLC, Phone Number: 908-758-0597, Address: 702 Ramsey Ave, Hillside, NJ 07205, Truck # and License Plate: AS 4A5GT NJ, Driver: Samuel J. Belle, SW Haulers Permit #: NJ-983

I hereby certify that the above named material was picked up at the site listed above. Driver Signature: Samuel J. Belle, Date and Time: 12.02.16

DESTINATION: I hereby certify that the above named material was delivered without incident to the facility noted above. Driver Signature: Date and Time: I hereby certify that the above named material has been accepted at the above referenced facility. Authorized Signature: Date and Time:

SITE



ATTACHMENT XIV

MERCURY TANK & PUMP SERVICE, INC.

88 Cabot Road
Massapequa, N.Y. 11758
(917) 559-5519



15, December 2016

Roger Pine
Lettire Construction
334 East 110th Street
New York, N.Y. 10029

Re: 255 East 138th Street Bronx, N.Y.

Mr. Pine,

Mercury Tank & Pump Service, Inc. pumped out several underground motor fuel storage tanks at a facility that included the address referenced above. These tanks were pumped out between 27, August and 28, September 2015. This work was performed for Lettire Construction.

Mercury tank subcontracted the trucking and disposal of the liquids extracted from said tanks to Petroleum Tank Cleaners. LTD who transported it to Lorco Petroleum in Elizabeth, New Jersey for disposal.

The dates on which Petroleum Tank Cleaners were on site include 27, August 2015, 01, 09, and 28, September 2015. In total 3,600 gallons of liquids were pumped, removed from the premises and disposed of at Lorco.

Subsequently Petroleum Tank Cleaners has gone out of business and, despite attempts, obtaining copies of the manifests for these movements and disposal have been unsuccessful.

Sincerely,

A handwritten signature in black ink, appearing to read 'Mark Salamack', written over a horizontal line.

Mark Salamack, Pres.
Mercury Tank & Pump Service, Inc.

MERCURY TANK & PUMP SERVICE, INC.

88 Cabot Road
Massapequa, N.Y. 11758
(917) 559-5519



New York City Fire Department
Bulk Safety Unit
9 Metrotech
Brooklyn, N.Y. 11201

Re: 255 East 138th Street Bronx; Permanent removal of two underground gasoline tanks, each 40" diameter and 50" long.

AFFIDAVIT

In accordance with FC 3404-01 the permanent removal of two underground gasoline tanks, each 40" diameter and 50" long at 221 East 138th Street Bronx has been completed.

- 1) The contents of the tank were completely removed.
- 2) The tanks were thoroughly cleaned and purged of combustible vapors.
- 3) All pipes were removed including fill and vent lines.
- 4) The fill boxes were removed.
- 5) The tanks were removed from the ground and disposed of offsite.
- 6) This work was completed on 29, September 2016.

Sincerely

Mark Salamack

Underground Tank Installer

Certificate of License #80151715 (Expires 16, June 2018)

LASSALLE BEST JR.
Notary Public, State of New York
No. 24-0279100
Qualified in Queens County
Commission Expires March 30, 2017

Sworn before me this 21 day of DECEMBER, 2016

Notary Public

MERCURY TANK & PUMP SERVICE, INC.

88 Cabot Road
Massapequa, N.Y. 11758
(917) 559-5519



New York City Fire Department
Bulk Safety Unit
9 Metrotech
Brooklyn, N.Y. 11201

Re: 255 East 138th Street Bronx; Permanent removal of two underground gasoline tanks each 48" diameter and 88" long.

AFFIDAVIT

In accordance with FC 3404-01 the permanent removal of two underground gasoline tanks each 48" diameter and 88" long at 255 East 138th Street Bronx has been completed.

- 1) The contents of the tank were completely removed.
- 2) The tanks were thoroughly cleaned and purged of combustible vapors.
- 3) All pipes were removed including fill and vent lines.
- 4) The fill boxes were removed.
- 5) The tanks were removed from the ground and disposed of offsite.
- 6) This work was completed on 27, August 2016.

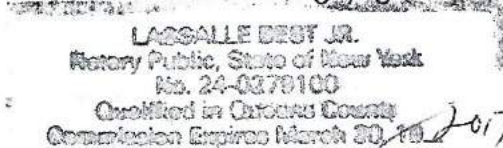
Sincerely



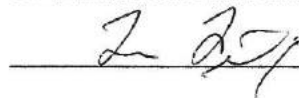
Mark Salamack

Underground Tank Installer

Certificate of License #80151715 (Expires 16, June 2018)



Sworn before me this 21 day of JE LEMBA, 2016



Notary Public

MERCURY TANK & PUMP SERVICE, INC.

88 Cabot Road
Massapequa, N.Y. 11758
(917) 559-5519



New York City Fire Department
Bulk Safety Unit
9 Metrotech
Brooklyn, N.Y. 11201

Re: 255 East 138th Street Bronx; Permanent removal of two underground gasoline tanks one 40" diameter and 50" long, the other 48" diameter and 75" long.

AFFIDAVIT

In accordance with FC 3404-01 the permanent removal of two underground gasoline tanks one 40" diameter and 50" long, the other one 48" diameter by 75" long at 255 East 138th Street Bronx has been completed.

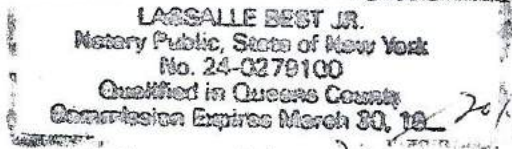
- 1) The contents of the tank were completely removed.
- 2) The tanks were thoroughly cleaned and purged of combustible vapors.
- 3) All pipes were removed including fill and vent lines.
- 4) The fill boxes were removed.
- 5) The tanks were removed from the ground and disposed of offsite.
- 6) This work was completed on 01, September 2016.

Sincerely

Mark Salamack

Underground Tank Installer

Certificate of License #80151715 (Expires 16, June 2018)



Sworn before me this 21 day of DECEMBER, 2016

Notary Public

MERCURY TANK & PUMP SERVICE, INC.

88 Cabot Road
Massapequa, N.Y. 11758
(917) 559-5519



New York City Fire Department
Bulk Safety Unit
9 Metrotech
Brooklyn, N.Y. 11201

Re: 255 East 138th Street Bronx; Permanent removal of two underground gasoline tanks each 36" diameter and 66" long.

AFFIDAVIT

In accordance with FC 3404-01 the permanent removal of two underground gasoline tanks each 36" diameter and 66" long at 255 East 138th Street Bronx has been completed.

- 1) The contents of the tank were completely removed.
- 2) The tanks were thoroughly cleaned and purged of combustible vapors.
- 3) All pipes were removed including fill and vent lines.
- 4) The fill boxes were removed.
- 5) The tanks were removed from the ground and disposed of offsite.
- 6) This work was completed on 09, September 2016.

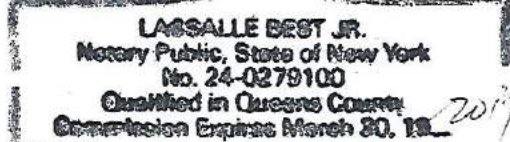
Sincerely

A handwritten signature in black ink, appearing to read "Mark Salamack".

Mark Salamack

Underground Tank Installer

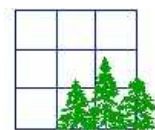
Certificate of License #80151715 (Expires 16, June 2018)



Sworn before me this 21 day of DECEMBER, 2016

A handwritten signature in black ink, appearing to read "L. Lassalle".

Notary Public



ATTACHMENT XV

FORMER G & C SERVICES

255 EAST 138th STREET

BRONX, NEW YORK

TECHNICAL MANUAL FOR THE APPLICATION OF THE OXYGEN RELEASE COMPOUND

NYSDEC BCP Number: C203057

Prepared for:

East 138th Street LLC

334-336 East 110th Street

New York, NY 10029

Prepared by:

Ira N. Pierce, P.E.

3400 Ft. Independence Street, Suite 4F

Bronx, NY 10463

212-760-2922

OCTOBER 23, 2015

REVISED – OCTOBER 30, 2015

TECHNICAL MANUAL FOR THE APPLICATION OF OXYGEN RELEASE COMPOUND

**Former G & C Services
255 East 138th Street
Block 2333, Lot 1
Bronx, New York**

**October 23, 2015
Revised –October 30, 2015**

1.0 INTRODUCTION

East 138th Street LLC is enrolled in the New York State Brownfield Cleanup Program (NYS BCP) to remediate a 0.46-acre site located at 255 East 138th Street, Bronx, New York. A Remedial Action Work Plan (RAWP) was prepared for this site and was approved by the New York State Department of Environmental Conservation (NYSDEC) in October 2013. Remediation at the site began in August 2015 and is expected to be completed by December 31, 2015. One (1) of the elements of the selected remedy for the site is to treat the groundwater. This element of the selected remedy includes three (3) components: excavation and off-site removal of source material (non-hazardous petroleum-impacted soils); site-wide dewatering; and, application of an Oxygen Release Compound (ORC) into the subsurface soils beneath the proposed development foundation.

2.0 GROUNDWATER REMEDIATION

Per the NYSDEC-approved RAWP, the three (3) components of the groundwater treatment at the site are excavation and off-site removal of petroleum-impacted soils, site-wide dewatering, and application of ORC into the subsurface soils beneath the proposed development foundation. As of October 23, 2015, approximately 7,300 tons of non-hazardous petroleum-impacted soils have been removed off site to the Clean Earth of Carteret Facility in Carteret, New Jersey. In order to achieve the base depth of excavation, an active site-wide dewatering system has been installed. The appropriate New York City Department of Environmental Protection (NYCDEP) and NYC Department of Transportation (DOT) permits were obtained to

allow the discharge of the dewatering liquids into the sanitary sewer system.

The third component of the groundwater treatment at the site involves the application of Oxygen Release Compound Advanced (ORC Advanced®) Pellets, manufactured by Regenesis, to the open excavation area in the western portion of the site. A brochure of the ORC Advanced® Pellets, prepared by Regenesis, is provided in **Appendix I**. The presence of ORC in the groundwater beneath the site will enhance natural attenuation and expedite the degradation of potential petroleum-related volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs) that may exist in the groundwater following the completion of remediation at the site. The accelerated biodegradation process of the petroleum-related VOCs and SVOCs will result from the production of free oxygen from the interaction of ORC Advanced® Pellets and the on-site groundwater. Oxygen is a vital component for microorganisms to break down petroleum-related VOCs and SVOCs into carbon dioxide and water. The ORC Advanced® Pellets also contain micro-nutrients such as nitrogen, phosphorous, and potassium which assist in the biodegradation of petroleum-related VOCs and SVOCs. The application of ORC Advanced® Pellets to the open excavation area is an effective method to address long term groundwater conditions.

3.0 APPLICATION METHODS

ORC Advanced® Pellets accelerate natural biodegradation of petroleum hydrocarbons and are easy to use in regards to handling and applying into open excavations. The ORC Advanced® Pellets range from three (3) to 10 millimeters (mm), and the generation of airborne dust during handling and application of the Pellets is very limited.

Per the manufacturer specifications, Regenesis recommends that the amount of ORC to be applied is determined by a rate between 0.1% and 1% of the weight of ORC per the weight of the soil within the treatment zone. This percentage range of ORC weight per soil weight between 0.1% and 1% is calculated to be the most effective for groundwater treatment. Approximately 330.6 pounds of ORC Advanced® Pellets will be applied to the base depth of excavation in the western portion of the site. Calculations and the ORC Advanced® Pellets Application Design Summary is provided as **Table 1**. The approximate application extent of the ORC Advanced® Pellets is shown on **Figure 1**. In the approximate application extent area, ORC Advanced® Pellets can be applied directly to the soil by two methods: via an excavator bucket or

via manual spreading. (See the ORC Advanced® Pellets application instructions, prepared by Regenesis, in **Appendix II.**) The contractor for construction is responsible for applying the ORC Advanced® Pellets to the open excavation areas according to the manufacturer's recommendations. Once the ORC Advanced® Pellets have been applied evenly across the treatment zone via the excavator bucket or manual spreading method, a skilled backhoe operator should thoroughly mix the ORC Advanced® Pellets within the subsurface soils between approximately 15 and 15.5 feet below grade surface (bgs). A cross-sectional detail of the approximate ORC Advanced® Pellets application area is provided as **Figure 2.**

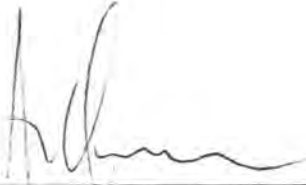
All application methods of the ORC Advanced® Pellets should be performed in compliance with the Site-Specific Health and Safety Plan (HASp) in the NYSDEC-approved RAWP. The safety data sheet for the ORC Advanced® Pellets is provided in **Appendix III.**

4.0 CONCLUSIONS

As part of the selected remedy in the NYSDEC-approved RAWP for the site located at 255 East 138th Street, Bronx, New York, one (1) of the elements is to treat the groundwater at the site. Groundwater treatment at the site includes three (3) components: excavation and off-site removal of source material (non-hazardous petroleum-impacted soils); site-wide dewatering; and, application of an Oxygen Release Compound (ORC) into the subsurface soils beneath the proposed development foundation. Remediation at the site began in August 2015 and is expected to be completed by December 31, 2015. As of October 23, 2015, the site has been undergoing site-wide dewatering and approximately 7,300 tons of non-hazardous petroleum-impacted soils have been removed off site to Clean Earth of Carteret Facility in Carteret, New Jersey. The third component of the groundwater treatment at the site is the application of ORC. Approximately 330.6 pounds of ORC Advanced® Pellets will be applied to the base depth of excavation in the western portion of the site. The ORC Advanced® Pellets will be thoroughly mixed with the subsurface soils. Following the application of the ORC into the subsurface soils, the foundation slab will be installed and the dewatering system will no longer be needed and will be turned off. Then, the groundwater will be rebound to its natural state (i.e., elevation) and interact with the ORC Advanced® Pellets and will begin accelerating the biodegradation process of the potential petroleum-related VOCs and SVOCs that may exist in groundwater following remediation at the site.

5.0 CERTIFICATION

I, Ira N. Pierce, certify that I am currently a NYS registered professional engineer and that this Remedial Design was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10)”



Ira N. Pierce, P.E.
NYS Professional Engineer No: 42745

10/30/2015

Date

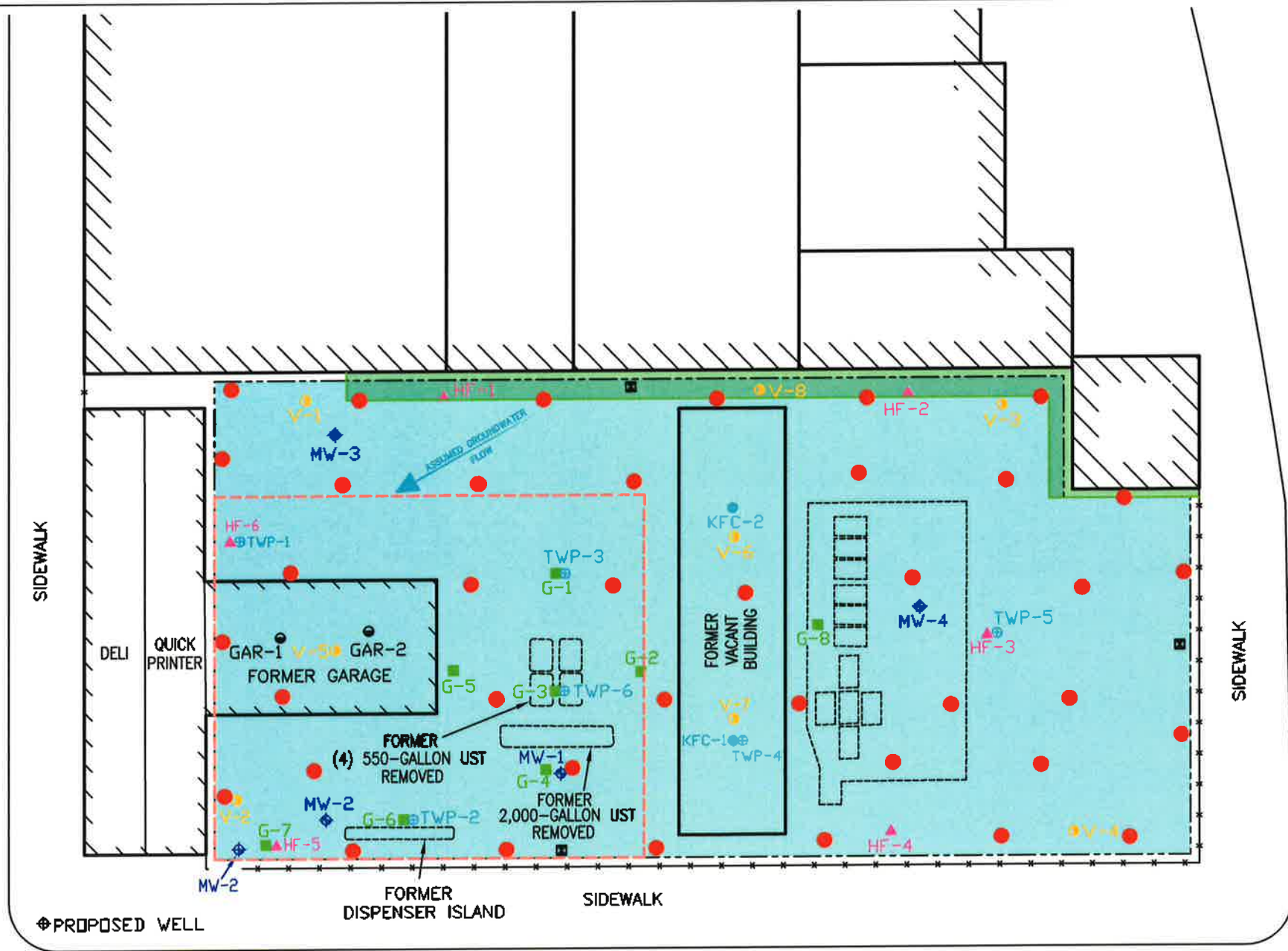


6.0 REFERENCES

Regenesis, Product Application Instructions – ORC Advanced® Pellets

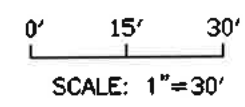
Regenesis, Safety Data Sheets – Oxygen Release Compound Advanced®

Regenesis, Oxygen Release Compound Advanced® Pellets Brochure



- LEGEND**
- PROPERTY BOUNDARY
 - ⊕ - MONITORING WELL LOCATION
 - MW-1
 - - SOIL BORING SAMPLE LOCATION
 - G-1
 - ▲ - SOIL BORING SAMPLE LOCATION
 - HF-1
 - - SOIL BORING SAMPLE LOCATION
 - KFC-1
 - - SOIL BORING SAMPLE LOCATION
 - GAR-1
 - ⊕ - TEMPORARY WELL POINT LOCATION
 - TWP-3
 - - VAPOR SAMPLE LOCATION
 - V-2

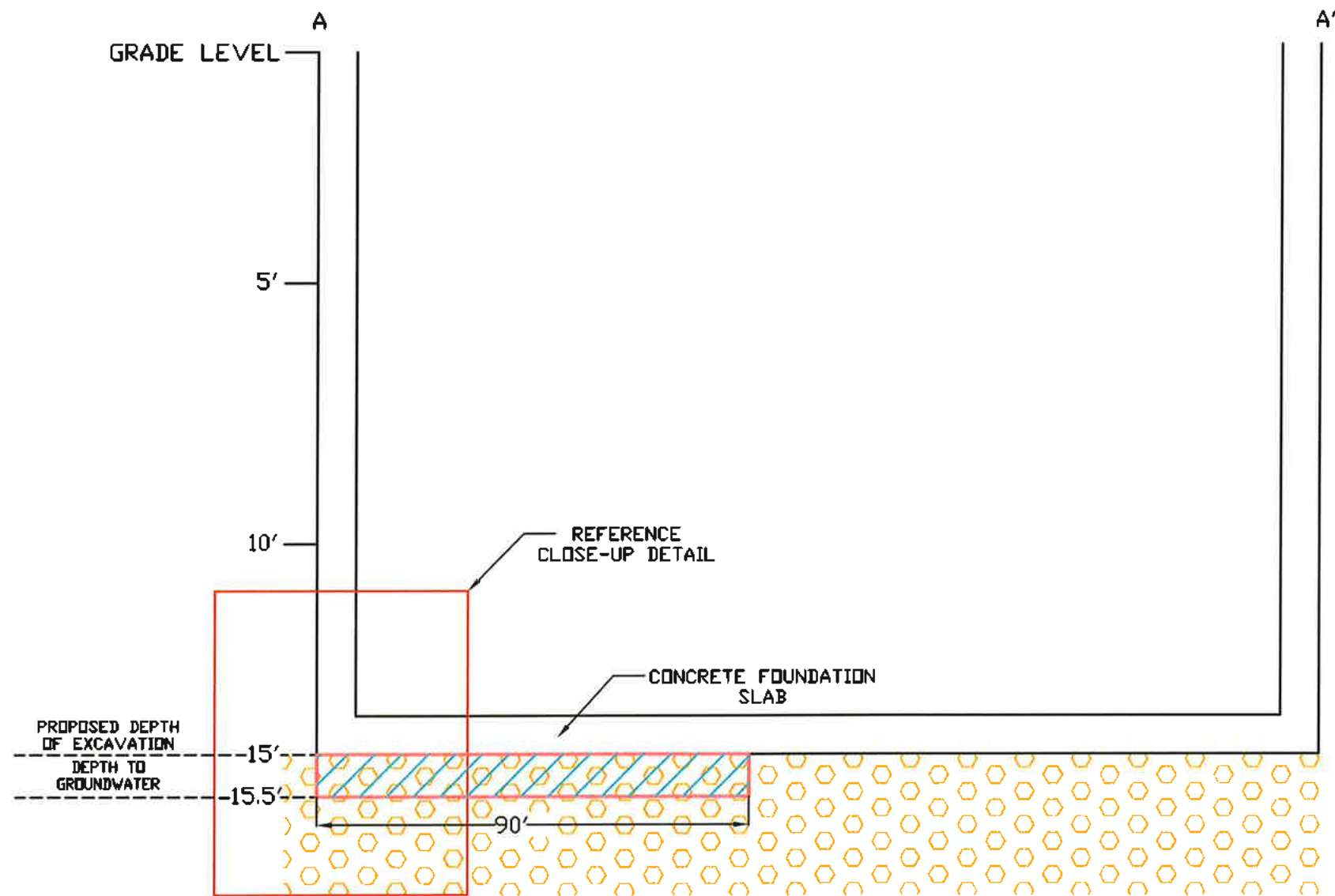
- - APPROXIMATE EXTENT OF ORC APPLICATION
- - TRACK 2 REMEDIAL AREA
(PROPOSED EXCAVATION TO 15 FEET-COVER SYSTEM, CONCRETE CELLAR FLOOR)
- - TRACK 4 REMEDIAL AREA
(SOILS TO REMAIN AT GRADE LEVEL-COVER SYSTEM, CONCRETE ON GRADE)
- ⊗ - PROPOSED AIR MONITORING LOCATION
- - PROPOSED END-POINT SAMPLE (TAL/TCL ANALYSIS)
- ⊕ - PROPOSED MONITORING WELL LOCATION



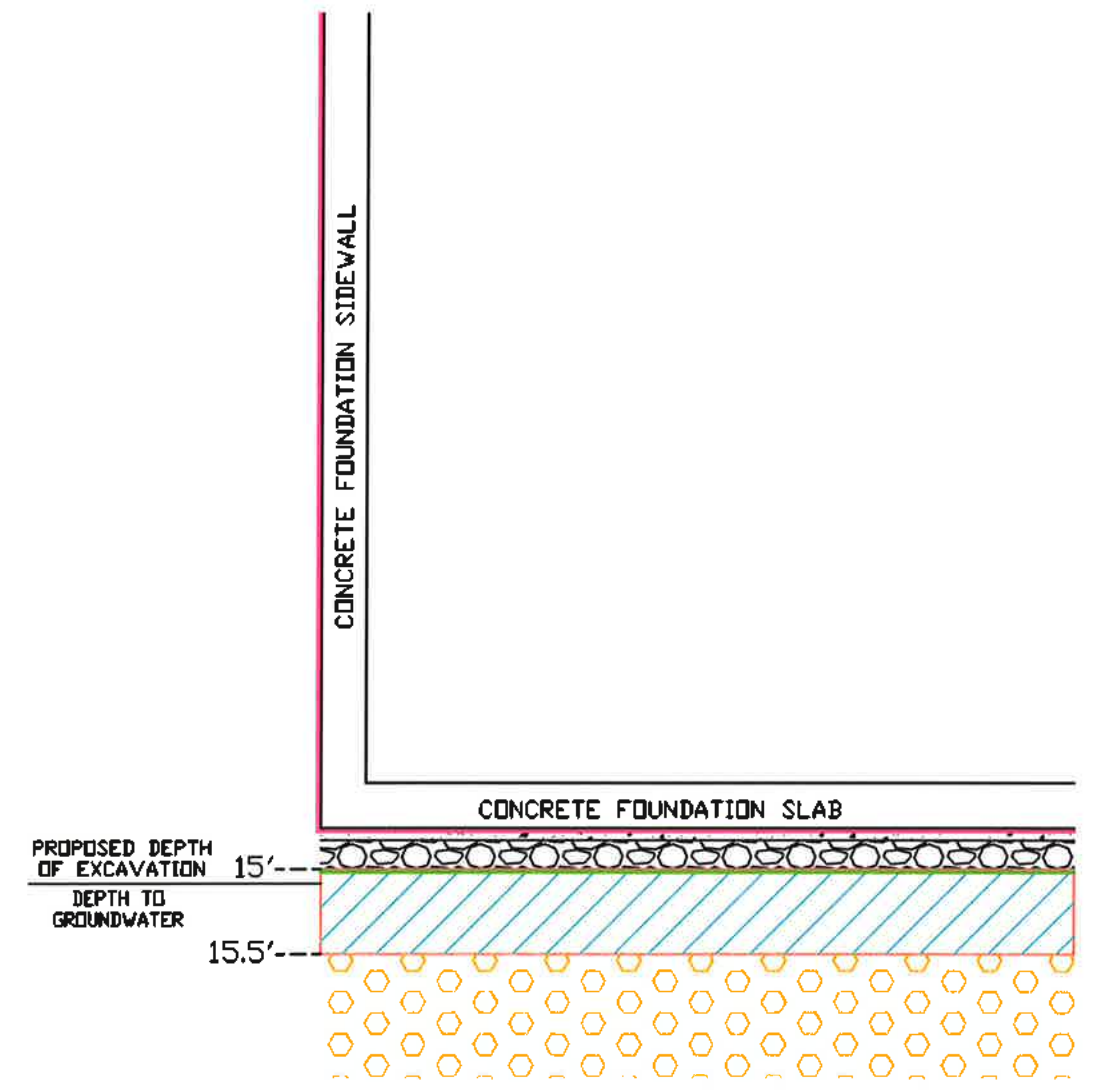
BRINKERHOFF
 ENVIRONMENTAL SERVICES, INC.

FIGURE 1 - OXYGEN RELEASE COMPOUND (ORC)
 APPLICATION EXTENT PLAN
 255 EAST 138TH STREET
 BLOCK 2333, LOT 1
 BRONX, NEW YORK

DATE: 10/29/15 JOB NO.: 10BR188 SCALE: 1" = 30'



APPLICATION CROSS-SECTIONAL DETAIL



CLOSE-UP DETAIL

LEGEND

	- PREPRUFE 300R WATERPROOFING/VAPOR BARRIER MEMBRANE
	- APPROXIMATE EXTENT OF ORC APPLICATION (MIXED WITH UNDERLYING SOILS)
	- 2" CONCRETE WORKING SLAB
	- 3-5" STONE LAYER
	- UNDERLYING SOILS

BRINKERHOFF 
 ENVIRONMENTAL SERVICES, INC.

FIGURE 2 - OXYGEN RELEASE COMPOUND (ORC)
 APPLICATION CROSS-SECTION DETAIL
 255 EAST 138TH STREET
 BLOCK 2333, LOT 1
 BRONX, NEW YORK

DATE: 10/30/15	JOB NO.: 10BR188	SCALE: NTS
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Table 1
Oxygen Release Compound (ORC) Advanced® Pellets
Application Design Summary Table - UPDATED 10/30/2015
Former G and C Services
255 East 132nd Street
Bronx, New York
Brinkerhoff Project No: 10BR188

ORC Advanced® Pellets Design Summary		
Treatment Info	Unit	Volume
Treatment Area	square feet	6,750
Treatment Area Width	feet	75
Treatment Area Length	feet	90
Top Application Depth	feet below grade surface	15
Bottom Application Depth	feet below grade surface	15.5
Vertical Treatment Interval	feet	0.5
Treatment Zone Volume	cubic feet	3,375
Treatment Zone Volume	yards	125
Soil Type	n/a	Silty Sand
Porosity	%	0.4
Effective Porosity	%	0.2
Soil Density	grams per cubic centimeter	1.6
Soil Density	pounds per cubic feet	100
Soil Weight	pounds	3.38E+05
Total Amount of ORC Advanced® Pellets	pounds	330.6
Calculations		
Soil Density (pounds per cubic feet) X Treatment Zone Volume (cubic feet) = Soil Weight (Pounds)		
$100 \text{ lbs/ft}^3 \times 3375 \text{ ft}^3 = 337500 \text{ lbs}$		
ORC Weight (Pounds) / Soil Weight (Pounds) = ORC Weight/Soil Weight Percentage		
$330.6 \text{ lbs}/337500 \text{ lbs} = 0.1\%$		

Notes:

- 1) The ORC Advanced® Pellets Design Summary was based upon information received from Regensis
- 2) All values are approximate
- 3) ORC Advanced® Pellets will be supplied in six (6) 55.1 pound plastic containers
- 4) Values have been updated for increased treatment area (10/30/2015)



DUST MINIMIZING FORMULATION FOR EXCAVATIONS, TANK PITS AND TRENCHES

DESCRIPTION

ORC Advanced® Pellets (ORC-A Pellets) are a pelletized version of REGENESIS' widely used ORC Advanced and are designed specifically for direct application into excavations, tank pits and trenches. This pelletized, dry application material minimizes airborne dust while eliminating the need for specialized equipment and spray water required for powder-slurry applications. ORC Advanced Pellets are approximately 3-10 mm in size as shown in Figure 1.



FIGURE 1: ORC-A PELLETS ARE APPROXIMATELY 3-10 MM SIZE

FEATURES & BENEFITS

- Optimal for use in excavations, tank pits and trenches where enhanced aerobic bioremediation is appropriate
- Pellet size (3-10 mm) minimizes airborne dust during handling and application of the material
- Dry application form eliminates need for water and equipment required for powder-slurry application types
- Patented technology provides long-term, controlled release oxygen for periods of up to 12 months on a single application
- Unique molecular structure delivers highest amount of active oxygen available, up to 15% by weight
- Contains micro-nutrients including: nitrogen, phosphorus and potassium (N,P,K) which may benefit aerobic microorganisms

FUNCTION

The primary function of ORC-A Pellets is to provide a controlled-release oxygen source for the enhanced aerobic bioremediation of petroleum hydrocarbons or other aerobically degradable compounds. This is achieved through the use of patented processes which embed phosphates into the crystalline structure of solid peroxygen molecules. This feature slows the reaction that releases oxygen upon hydration, producing an optimized, controlled-release of oxygen over a period of up to 12 months. ORC-A Pellets deliver up to 15% active oxygen by weight and contain micro-nutrients such as: nitrogen, phosphorus, and potassium (N,P,K) which may be beneficial to aerobic biodegradation processes.

Note: Due to the size of the pellets this material is not recommended or designed for use in direct-injection or fixed well applications.

REGENESIS ORC ADVANCED® PELLETS

Dust Minimizing Formulation for Excavations, Tank Pits and Trenches

PRODUCT APPLICATION INSTRUCTIONS

Introduction

The features and benefits of controlled-release, ORC Advanced are posted in other areas (product brochure, www.regenesis.com, and MSDS). From the field application standpoint, the benefits of ORC Advanced® Pellets (ORC-A Pellets) are in ease of handling and Health & Safety. Pelletized ORC Advanced is much easier to use because it eliminates the need for water and equipment associated with spray application and Health & Safety are dramatically improved by elimination of ORC Advanced dust and associated respiration issues. The later feature makes the material much easier to handle in open-air application approaches such as excavations and trenches.

Design Considerations

The new configuration of this material does not change the quantity estimated in the design process. The materials' available oxygen is up to 17% by weight and its physical attributes are designed to be easier to handle through the use of a pelletized version of the product and the elimination of the dust associated with dry application of ORC Advanced powder.

Application Methods

The pelletized form allows the user to simply and easily apply the ORC Advanced in a dry format using existing on-site operations or by manual methods. Some typical methods include:

- Application via the excavator bucket:
 - Simply insert a pre-determined quantity (unit - bucket or bag) of ORC-A Pellets into an excavator bucket and use the excavator to mix and distribute the ORC-A Pellets into previously backfilled soil
- Application via manual or mechanical broadcasting/spreaders:
 - Manually or mechanically broadcast/spread pelletized ORC-A Pellets into the excavation at a pre-determined rate per unit of backfill material or per soil lift (as the soil is being backfilled)
 - Follow the manual broadcast step with mechanically mixing the ORC-A Pellets directly into the backfill using the excavator equipment

Example Estimates:

Using an example unit weight of ORC-A Pellets (40 lb. bag)

For a 0.1% weight of ORC-Advanced to backfill:

- Each 100,000 lbs. of soil
- Apply 100 lbs. (4 buckets) ORC-A Pellets

REGENESIS ORC ADVANCED® PELLETS

Dust Minimizing Formulation for Excavations, Tank Pits and Trenches

PRODUCT APPLICATION INSTRUCTIONS

For a 0.2% weight of ORC-Advanced to backfill:

- Each 100,000 lbs. of soil
- Apply 200 lbs. (approx. 5 bags) ORC-A Pellets

Example Estimates (SI Units):

Using an example unit weight of ORC-A Pellets (18.1 kg bag)

For a 0.1% weight of ORC-A Pellets to backfill:

- Each 45 metric tons of soil
- Apply 45 kg (approx. 3 bags) ORC-A Pellets

For a 0.2% weight of ORC-A Pellets to backfill:

- Each 90 metric tons of soil
- Apply 90 kg (approx. 5 bags) ORC-A Pellets

1. Identification

Product identifier Oxygen Release Compound Advanced (ORC Advanced®)
Other means of identification None.
Recommended use Soil and Groundwater Remediation.
Recommended restrictions None known.
Manufacturer/Importer/Supplier/Distributor information
Company Name RegenesiS
Address 1011 Calle Sombra
 San Clemente, CA 92673

Telephone 949-366-8000
E-mail CustomerService@regenesiS.com
Emergency phone number CHEMTREC® at 1-800-424-9300 (International)

2. Hazard(s) identification

Physical hazards Oxidizing solids Category 2
Health hazards Skin corrosion/irritation Category 2
 Serious eye damage/eye irritation Category 1
OSHA defined hazards Not classified.

Label elements



Signal word Danger

Hazard statement May intensify fire; oxidizer. Causes skin irritation. Causes serious eye damage.

Precautionary statement

Prevention Keep away from heat. Keep/Store away from clothing/combustible materials. Take any precaution to avoid mixing with combustibles. Wash thoroughly after handling. Wear protective gloves/eye protection/face protection.

Response If on skin: Wash with plenty of water. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. In case of fire: Use appropriate media to extinguish.

Storage Store away from incompatible materials.

Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC) None known.

Supplemental information None.

3. Composition/information on ingredients

Mixtures

Chemical name	CAS number	%
Calcium hydroxide oxide	682334-66-3	≥85
Calcium hydroxide	1305-62-0	≤15
Dipotassium Phosphate	7758-11-4	<5

Composition comments	All concentrations are in percent by weight unless otherwise indicated.
4. First-aid measures	
Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact	IF ON CLOTHING: rinse immediately contaminated clothing and skin with plenty of water before removing clothes. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
Eye contact	Do not rub eyes. Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
Ingestion	Never give anything by mouth to a victim who is unconscious or is having convulsions. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical attention if symptoms occur.
Most important symptoms/effects, acute and delayed	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Dusts may irritate the respiratory tract, skin and eyes. Skin irritation. May cause redness and pain.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
General information	Take off all contaminated clothing immediately. Contact with combustible material may cause fire. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.
5. Fire-fighting measures	
Suitable extinguishing media	Water spray, fog (flooding amounts). Foam. Dry chemical powder. Carbon dioxide (CO ₂).
Unsuitable extinguishing media	None known.
Specific hazards arising from the chemical	Greatly increases the burning rate of combustible materials. Containers may explode when heated. During fire, gases hazardous to health may be formed. Combustion products may include: metal oxides.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk. Use water spray to cool unopened containers.
Specific methods	Cool containers exposed to flames with water until well after the fire is out.
General fire hazards	May intensify fire; oxidizer. Contact with combustible material may cause fire.
6. Accidental release measures	
Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep away from clothing and other combustible materials. Wear appropriate protective equipment and clothing during clean-up. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Collect dust using a vacuum cleaner equipped with HEPA filter. Keep combustibles (wood, paper, oil, etc.) away from spilled material. Ventilate the contaminated area. Stop the flow of material, if this is without risk. Absorb in vermiculite, dry sand or earth and place into containers. Large Spills: Sweep up or vacuum up spillage and collect in suitable container for disposal. Shovel the material into waste container. Minimize dust generation and accumulation. Avoid the generation of dusts during clean-up. Following product recovery, flush area with water. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. Place all material into loosely covered plastic containers for later disposal. For waste disposal, see section 13 of the SDS. Wear appropriate protective equipment and clothing during clean-up.
Environmental precautions	Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling

Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Keep away from heat. Provide appropriate exhaust ventilation at places where dust is formed. Keep away from clothing and other combustible materials. Take any precaution to avoid mixing with combustibles. Avoid contact with water and moisture. Do not get this material in contact with eyes. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Keep away from heat. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Do not store near combustible materials. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
Calcium hydroxide (CAS 1305-62-0)	PEL	5 mg/m ³	Respirable fraction.
		15 mg/m ³	Total dust.

US. ACGIH Threshold Limit Values

Components	Type	Value
Calcium hydroxide (CAS 1305-62-0)	TWA	5 mg/m ³

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
Calcium hydroxide (CAS 1305-62-0)	TWA	5 mg/m ³

Biological limit values

No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. If engineering measures are not sufficient to maintain concentrations of dust particulates below the Occupational Exposure Limit (OEL), suitable respiratory protection must be worn. If material is ground, cut, or used in any operation which may generate dusts, use appropriate local exhaust ventilation to keep exposures below the recommended exposure limits. Eye wash facilities and emergency shower must be available when handling this product.

Individual protection measures, such as personal protective equipment

Eye/face protection Use dust-tight, unvented chemical safety goggles when there is potential for eye contact.

Skin protection

Hand protection Wear appropriate chemical resistant gloves. Frequent change is advisable. Recommended gloves include rubber, neoprene, nitrile or viton.

Other Wear appropriate chemical resistant clothing.

Respiratory protection If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Recommended use: Wear respirator with dust filter.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

Keep from contact with clothing and other combustible materials. Remove and wash contaminated clothing promptly. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance

Physical state	Solid.
Form	Powder.
Color	White to pale yellow.

Odor	Odorless.
Odor threshold	Not available.
pH	12.5 (3% suspension/water)
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Oxidizer.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Slightly soluble
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	527 °F (275 °C)
Viscosity	Not available.
Other information	
Bulk density	0.5 - 0.9 g/ml
Explosive limit	Non-explosive.

10. Stability and reactivity

Reactivity	Greatly increases the burning rate of combustible materials.
Chemical stability	Decomposes on heating. Product may be unstable at temperatures above: 275°C/527°F.
Possibility of hazardous reactions	Reacts slowly with water.
Conditions to avoid	Heat. Moisture. Avoid temperatures exceeding the decomposition temperature. Contact with incompatible materials.
Incompatible materials	Acids. Bases. Salts of heavy metals. Reducing agents. Combustible material.
Hazardous decomposition products	Oxygen. Hydrogen peroxide (H ₂ O ₂). Steam. Heat.

11. Toxicological information

Information on likely routes of exposure

Inhalation	Dust may irritate respiratory system. Prolonged inhalation may be harmful.
Skin contact	Causes skin irritation.
Eye contact	Causes serious eye damage.
Ingestion	Ingestion may cause irritation and malaise.

Symptoms related to the physical, chemical and toxicological characteristics Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Dusts may irritate the respiratory tract, skin and eyes. Skin irritation. May cause redness and pain.

Information on toxicological effects

Acute toxicity

Components	Species	Test Results
Calcium hydroxide (CAS 1305-62-0)		
Acute		
<i>Oral</i>		
LD50	Rat	7340 mg/kg
Skin corrosion/irritation	Causes skin irritation.	
Serious eye damage/eye irritation	Causes serious eye damage.	
Respiratory or skin sensitization		
Respiratory sensitization	Not a respiratory sensitizer.	
Skin sensitization	This product is not expected to cause skin sensitization.	
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.	
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.	
IARC Monographs. Overall Evaluation of Carcinogenicity		
Not listed.		
NTP Report on Carcinogens		
Not listed.		
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)		
Not listed.		
Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.	
Specific target organ toxicity - single exposure	Not classified.	
Specific target organ toxicity - repeated exposure	Not classified.	
Aspiration hazard	Due to the physical form of the product it is not expected to be an aspiration hazard.	
Chronic effects	Prolonged inhalation may be harmful.	

12. Ecological information

Ecotoxicity The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Components	Species	Test Results
Calcium hydroxide (CAS 1305-62-0)		
Aquatic		
Fish	LC50 Zambezi barbel (<i>Clarias gariepinus</i>)	33.8844 mg/l, 96 hours
Persistence and degradability	Decomposes in the presence of water. The product contains inorganic compounds which are not biodegradable.	
Bioaccumulative potential	The product does not contain any substances expected to be bioaccumulating.	
Mobility in soil	This substance has very low solubility in water and low mobility in the environment.	
Other adverse effects	None known.	

13. Disposal considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport information

DOT

UN number	UN1479
UN proper shipping name	Oxidizing solid, n.o.s. (Calcium hydroxide oxide)
Transport hazard class(es)	
Class	5.1
Subsidiary risk	-
Label(s)	5.1
Packing group	II
Environmental hazards	
Marine pollutant	No
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Special provisions	62, IB8, IP2, IP4, T3, TP33
Packaging exceptions	152
Packaging non bulk	212
Packaging bulk	240

IATA

UN number	UN1479
UN proper shipping name	Oxidizing solid, n.o.s. (Calcium hydroxide oxide)
Transport hazard class(es)	
Class	5.1
Subsidiary risk	-
Packing group	II
Environmental hazards	No
ERG Code	5L
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

IMDG

UN number	UN1479
UN proper shipping name	OXIDIZING SOLID, N.O.S. (Calcium hydroxide oxide)
Transport hazard class(es)	
Class	5.1
Subsidiary risk	-
Packing group	II
Environmental hazards	
Marine pollutant	No
EmS	F-A, S-Q
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.

15. Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
All components are on the U.S. EPA TSCA Inventory List.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes
Delayed Hazard - No
Fire Hazard - Yes
Pressure Hazard - No
Reactivity Hazard - Yes

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical Yes

SARA 313 (TRI reporting) Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

US state regulations

US. Massachusetts RTK - Substance List

Calcium hydroxide (CAS 1305-62-0)

US. New Jersey Worker and Community Right-to-Know Act

Calcium hydroxide (CAS 1305-62-0)

Calcium hydroxide oxide (CAS 682334-66-3)

US. Pennsylvania Worker and Community Right-to-Know Law

Calcium hydroxide (CAS 1305-62-0)

US. Rhode Island RTK

Not regulated.

US. California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date 02-April-2015

Revision date 30-July-2015

Version # 02

Further information HMIS® is a registered trade and service mark of the American Coatings Association (ACA).

HMIS® ratings Health: 3
Flammability: 0
Physical hazard: 2

NFPA ratings



Disclaimer

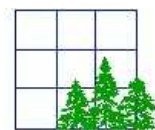
Regenesis cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.



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ATTACHMENT XVI

FORMER G & C SERVICES

255 EAST 138th STREET

BRONX, NEW YORK

**CHEMICAL INJECTION PLAN FOR THE NEWLY
PROPOSED TRACK 4 RAMP AREA**

NYSDEC BCP Number: C203057

Prepared for:

East 138th Street LLC

334-336 East 110th Street

New York, NY 10029

Prepared by:

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3400 Ft. Independence Street, Suite 4F

Bronx, NY 10463

212-760-2922

FINAL – JUNE 21, 2016

CHEMICAL INJECTION PLAN FOR THE NEWLY PROPOSED TRACK 4 RAMP AREA

**Former G & C Services
255 East 138th Street
Block 2333, Lot 1
Bronx, New York**

FINAL – June 21, 2016

1.0 INTRODUCTION

East 138th Street LLC (the “Volunteer”) is enrolled in the New York State Brownfield Cleanup Program (NYS BCP) and is currently remediating a 0.46-acre site located at 255 East 138th Street, Bronx, New York. A Remedial Action Work Plan (RAWP) was prepared for this site and was approved by the New York State Department of Environmental Conservation (NYSDEC) on October 16, 2013. Remediation at the site began in August 2015 and is expected to be completed by late Summer 2016. As stated in the NYSDEC-approved RAWP and the Decision Document, dated October 2013, site-wide excavation to 15 feet below grade surface (bgs) and achievement of Track 2 Restricted-Residential Use Soil Cleanup Objectives (SCOs) were proposed. However, NYSDEC issued an Explanation of Significant Difference in September 2015 since a small strip of land along the northern boundary of the site could not be excavated due to structural constraints with the adjacent buildings and a Track 2 Cleanup was no longer possible to be achieved along the northern boundary of the site. Instead, a Track 4 Cleanup was proposed for the area that cannot be excavated.

Additionally, on December 8, 2015, a Formal Dispute Resolution Notice was filed and a request for a Revised Track 4 Remedy in the area of the proposed ramp along the western boundary of the site was issued to NYSDEC. Similar to the northern boundary of the site, extensive soil excavation along the western boundary of the site cannot occur due to structural constraints with the adjacent building located at 243 East 138th Street. Since evidence of petroleum-impacted soil was previously identified during the Remedial Investigation (RI) in this Newly Proposed Track 4 Remedial Area, NYSDEC has determined that the petroleum-impacted soil is “source

material” for the groundwater contamination at the site and requires that this Newly Proposed Track 4 Remedial Area be remediated since extensive soil excavation below the groundwater table is no longer an option. As stated in the NYSDEC-approved RAWP, soil excavation to 15 feet bgs and application of Oxygen Release Compound (ORC) Advanced® Pellets, manufactured by Regensis, into the excavation bottom of this portion of the site was the original proposed remedy. Instead, it is now proposed that the top six (6) feet of soil along the western boundary of the site will be excavated and removed off-site. Chemical injections will be performed from six (6) feet to 15 feet bgs in a portion of the Newly Proposed Track 4 Ramp Area to address and remediate the “source material” that was previously identified during the RI. Once the “source material” has been remediated as described herein, a remedial composite cover system consisting of a concrete building slab, a Preprufe 300R waterproofing membrane manufactured by Grace, and a concrete rat slab will be installed overlying the residual soils in the entire Newly Proposed Track 4 Remedial Area. A cross-sectional view of the remedial composite cover system is shown on **Figure 1**.

This Chemical Injection Plan has been prepared to address the “source material” that was previously identified during the RI and serves as an explanation of the elements that will be performed to remediate the entire Newly Proposed Track 4 Remedial Area for this site.

2.0 PROPOSED REMEDY

2.1 CHEMICAL INJECTION EVENT (ISCO #1)

The selected remedy to remediate the “source material” that has been previously identified in the Newly Proposed Track 4 Ramp Area will consist of a single, aggressive In-Situ Chemical Oxidation (ISCO) event which will be performed by Environmental Remediation and Financial Services, LLC (ERFS). The temporary chemical injection event (ISCO #1) will use the On-Contact Remediation Process® which has been designed to break down the organic contamination found both in soil and groundwater. The On-Contact Remediation Process® consists of four stages: the physical delivery stage, the preparation stage, the conversion stage, and the restoration stage.

The physical delivery stage of the remedy will involve the advancement of eight (8) to 10 temporary injection points within an 800-square foot area of the Newly Proposed Track 4 Ramp Area. The treatment area within the Newly Proposed Track 4 Ramp Area and the locations of the temporary injection points are identified on **Figure 2**. Each temporary injection point will be advanced to approximately 15 feet bgs via a Geoprobe® direct push rig. The application depth interval across the 800-square foot treatment area will be from six (6) to 15 feet bgs since this is the approximate depth interval of the “source material” that has been previously identified based on field conditions (photoionization detector [PID] methods, visual, and olfactory evidence). At each temporary injection point, the oxidant will be injected directly into the subsurface as the contractor pulls upward from 15 to 6 feet bgs. No screens will be installed in the temporary injection points. The remaining top six (6) feet of soil within the treatment area will be excavated and removed off-site as part of the Track 4 Remedy.

The preparation stage of the remedy will involve the preparation of the proposed subsurface treatment interval to enable a high efficiency for the conversion of the targeted gasoline-related contaminants into base states or harmless compounds by using a biodegradable mixture of additives. Subsequently, the conversion stage of the remedy will involve the application of oxidizing reagents into the subsurface treatment interval via the temporary direct push injection method. The chemical injection event (ISCO #1) will consist of five (5) days of application;

approximately 1,000 to 2,000 gallons of 3% to 7% ferrous sulfate aqueous solution and 4,000 to 7,000 gallons of hydrogen peroxide aqueous solution will be applied to the treatment area during each day of treatment. The ferrous sulfate aqueous solution will be initially injected to chemically change the groundwater and once the necessary iron concentration is observed based on monitoring data, the hydrogen peroxide aqueous solution will be applied. A high range in volume and concentrations of the oxidizing reagents are initially proposed because the porosity of the soil between six (6) and 15 feet bgs is unknown and the lithological conditions vary drastically throughout the treatment area and are not horizontally continuous. Without knowing the exact porosity that will be encountered during the injections, a range is given so the volume and concentrations of the oxidants can be correctly modified once the field parameters and conditions are known during the initial stages of the injections.

The monitoring well that was installed in the East 138th Street sidewalk, approximately five (5) feet from the property boundary, will be continuously monitored during the injections. Hydrogen peroxide test strips and a U-50 Multi-parameter Water Quality Meter will be used to monitor the groundwater parameters such as temperature, dissolved oxygen, pH, conductivity, and total dissolved solids. These parameters will be used to adjust the volume and concentrations of the oxidizing reagents during the injections. The oxidizing reagents will be mixed on site daily, and the quantity, concentrations, and frequency of the chemicals will vary each day of the treatment and will be reported in the Final Engineering Report (FER) following completion of the treatment. The treatment and chemical design summary is discussed in greater detail in the Remedial Action Workplan, dated March 2016, prepared by ERFS, and provided as **Appendix I**.

2.2 EVALUATION OF TREATMENT EFFECTIVENESS

As stated in the NYSDEC-approved RAWP, the original remedy proposed to treat the groundwater at the site consisted of three (3) components, which included excavation and off-site disposal of non-hazardous petroleum-impacted soils, site-wide dewatering, and application of ORC Advanced® Pellets, manufactured by Regenesys, into the subsurface soils beneath the proposed development foundation. While some of the soil excavation will occur to a maximum of six (6) feet, due to the structural issues associated with excavating deeper, the proposed chemical injection event is now a new fourth element of the remedy to treat the groundwater at

the site. As required by the NYSDEC-approved RAWP, a reduction in the concentrations of the gasoline-related compounds is the goal that needs to be achieved for this site to earn a certificate of completion by comparing the results of the pre-construction groundwater sample (i.e. before the start of the remediation) and the post-injection groundwater sample.

Prior to the start of remediation at the site, what will be called the pre-construction groundwater sample was collected on August 20, 2015, from a temporary monitoring well that was installed in the East 138th Street sidewalk; the results of the pre-construction groundwater sample are provided as **Table 1**. These results serve as the baseline concentrations for the gasoline-related compounds. Prior to the start of the temporary chemical injection event (ISCO #1), a permanent off-site monitoring well was installed on April 28, 2016 in the East 138th Street sidewalk, approximately five (5) feet from the property boundary. Two (2) to four (4) weeks following the completion of the temporary chemical injection event (ISCO #1), a representative groundwater sample and a trip blank will be collected for Target Compound List (TCL) Volatile Organic Compound (VOC) analysis to determine the effectiveness of the “source material” remediation of the Newly Proposed Track 4 Remedial Area and the treatment of the site groundwater. Prior to collection of the post-injection sample, hydrogen peroxide test strips and monitoring of the dissolved oxygen concentrations in groundwater, via the U-50 Multi-parameter Water Quality Meter, will be conducted to determine if the oxidant is no longer present in the monitoring well. If needed, the post-injection sample will be collected more than four (4) weeks following the completion of chemical injection event (ISCO #1) until typical background groundwater conditions are observed.

If the initial post-injection treatment gasoline-related concentrations in groundwater are less than the pre-construction gasoline-related concentrations in groundwater, groundwater sampling will continue on a quarterly basis until an established decreasing trend is achieved and no evidence of rebounding effects are observed. NYSDEC typically requires at least eight (8) sampling events to confirm a decreasing trend; however, it is anticipated that a decreasing trend in the groundwater concentrations will be achieved based on the results of four (4) quarterly sampling events and a request will be made to NYSDEC to conclude the groundwater sampling, as necessary. If evidence of rebounding is observed in the post-injection quarterly monitoring of the

well, an additional chemical injection event (ISCO #2) will be performed and monitored. However, the remedy will be deemed sufficiently “complete” for purposes of achieving a Certificate of Completion in 2016 if two (2) quarterly rounds of groundwater samples shows decreasing trends even though the monitoring will continue thereafter.

2.3 CHEMICAL INJECTION EVENT (ISCO #2)

If the initial post-injection treatment gasoline-related concentrations in groundwater are not less than the pre-construction gasoline-related concentrations in groundwater or if evidence of rebounding concentrations are observed in the post-injection quarterly monitoring, an additional chemical injection event (ISCO #2) will be performed, as required by NYSDEC. The chemical injection event (ISCO #2) will be performed in the same manner as the first chemical injection event (ISCO #1) using the On-Contact Remediation Process®; however, it is anticipated that the remedy will be performed on a smaller scale. The remedy will consist of the direct push injection method and will consist of the advancement of six (6) to eight (8) temporary injections within the treatment area of the Newly Proposed Track 4 Ramp Area. Each temporary injection point will be advanced to approximately 15 feet bgs via a Geoprobe® direct push rig, and the application depth interval will be from six (6) to 15 feet bgs. At each temporary injection point, the oxidants will be injected directly into the subsurface as the contractor pulls upward from 15 to six (6) feet bgs. No screens will be installed in the temporary injection points and the remaining top six (6) feet of soil within the treatment area will be excavated and removed off-site.

ISCO #2 will consist of three (3) days of application; approximately 1,000 to 2,000 gallons of 3% to 7% ferrous sulfate aqueous solution and 4,000 to 7,000 gallons of hydrogen peroxide aqueous solution will be applied to the treatment area during each day of treatment. A high range in volume and concentrations of the oxidizing reagents are proposed because the porosity of the soil within the treatment interval is unknown at the time of preparation of this plan. The oxidizing reagents will be mixed on site daily and the quantity, concentrations, and frequency of the chemicals will vary each day of the treatment and will be reported in the FER following completion of the treatment. The treatment and chemical design summary for ISCO #2 is discussed in greater detail in the Remedial Action Workplan, dated March 2016, prepared by

ERFS, and provided as **Appendix I**.

The approach for evaluating the effectiveness of the ISCO #2 injection event will be the same as mentioned above for ISCO #1. Depending on the results of the hydrogen peroxide test strips and the dissolved oxygen concentrations in groundwater, via the U-50 Multi-parameter Water Quality Meter, it is anticipated that two (2) to four (4) weeks following the completion of the temporary chemical injection event ISCO #2, a representative groundwater sample and a trip blank will be collected for TCL VOC analysis. If the ISCO #2 post-treatment gasoline-related concentrations in groundwater are less than the pre-construction gasoline-related concentrations, groundwater sampling will continue on a quarterly basis until an established decreasing trend is achieved and no evidence of rebounding effects are observed. It is anticipated that a decreasing trend in the groundwater concentrations will be achieved based on the results of four (4) quarterly sampling events and a request will be made to NYSDEC to conclude the groundwater sampling, as necessary.

If the post-treatment gasoline-related concentrations in groundwater, following chemical injection event ISCO #2, are not less than the pre-construction gasoline-related concentrations, then permanent injection infrastructures consisting of permanent vertical and lateral injection points will be installed and treatment will continue until concentration reductions are observed. If the permanent vertical and lateral injections need to be installed, an additional explanation of these procedures will be provided in a separate plan prior to implementation. However, at this time it is anticipated that ISCO #1 and if needed, ISCO #2, will achieve the required reduction in gasoline-related groundwater concentrations.

3.0 CONCLUSIONS

On December 8, 2015, a Formal Dispute Resolution Notice was filed and a request for a Revised Track 4 Remedy in the area of the proposed ramp along the western boundary of the site was issued to NYSDEC. Similar to the northern boundary of the site, extensive soil excavation along the western boundary of the site cannot occur due to structural constraints with the adjacent building located at 243 East 138th Street. However, petroleum-impacted soil, determined to be “source material” by NYSDEC, was previously identified and NYSDEC required that this “source material” be remediated. As stated in the NYSDEC-approved RAWP, soil excavation to 15 feet bgs and application of ORC Advanced® Pellets, manufactured by Regenesis, into the excavation bottom was the original proposed remedy for this portion of the site, which could not be feasibly achieved. Therefore, treatment, which is the next remedial methodology in the preferred remedial hierarchy of options was selected.

The new treatment remedy consists of the following since complete excavation is no longer possible: (a) the top six (6) feet of soil in this Newly Proposed Track 4 Remedial Area shall be excavated and removed off-site and (b) a single chemical injection event (ISCO #1) using a mixture of ferrous sulfate and hydrogen peroxide aqueous solutions will be performed as the selected remedy to remediate the petroleum-impacted soil “source material”. The remedy will be deemed sufficiently “complete” for purposes of achieving a Certificate of Completion in 2016 if two (2) quarterly rounds of groundwater samples show decreasing trends.

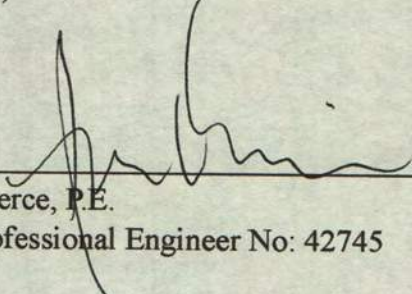
The temporary chemical injection will be performed by ERFS and the groundwater will be monitored for oxidant concentrations and other parameters during the injection. Following the chemical injection event (ISCO #1), groundwater sampling will be performed to determine the effectiveness of the “source material” remediation and the treatment of the site groundwater. If a reduction of the concentrations of gasoline-related compounds is not achieved or if evidence of rebounding concentrations are observed in the post-injection quarterly monitoring, a second temporary chemical injection event (ISCO #2) will be performed. Post-injection groundwater sampling will be completed on a quarterly basis until a decreasing trend is established and no evidence of rebounding effects is achieved. It is anticipated that the decreasing trend in

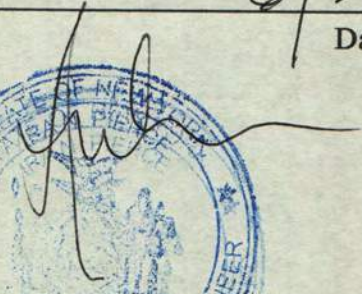
groundwater concentrations will be achieved in four (4) quarterly post-remedial events; however, if necessary, more rounds will be performed. If a decreasing trend is not established following the temporary chemical injection event (ISCO #2), permanent injection infrastructures may need to be installed, as required by NYSDEC. In addition, as stated above, the remedy will be deemed sufficiently “complete” for purposes of achieving a Certificate of Completion in 2016 if two (2) quarterly rounds of groundwater samples show decreasing trends.

This Chemical Injection Plan has been prepared to address and remediate the “source material” that was previously identified during the RI and serves as an explanation of the elements that will be performed to remediate the entire Newly Proposed Track 4 Remedial Area for this site. Following completion of the “source material” remediation, a composite cover system will be installed overlying the residual soils in the entire Newly Proposed Track 4 Remedial Area.

4.0 CERTIFICATION

I, Ira N. Pierce, certify that I am currently a NYS registered professional engineer and that this Remedial Design was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10)”

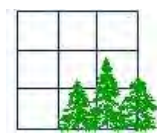

Ira N. Pierce, P.E.
NYS Professional Engineer No: 42745


6/21/2016
Date

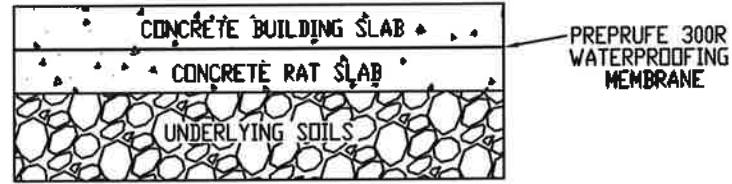


5.0 REFERENCES

Environmental Remediation and Financial Services, LLC, Remedial Action Workplan, March 2016



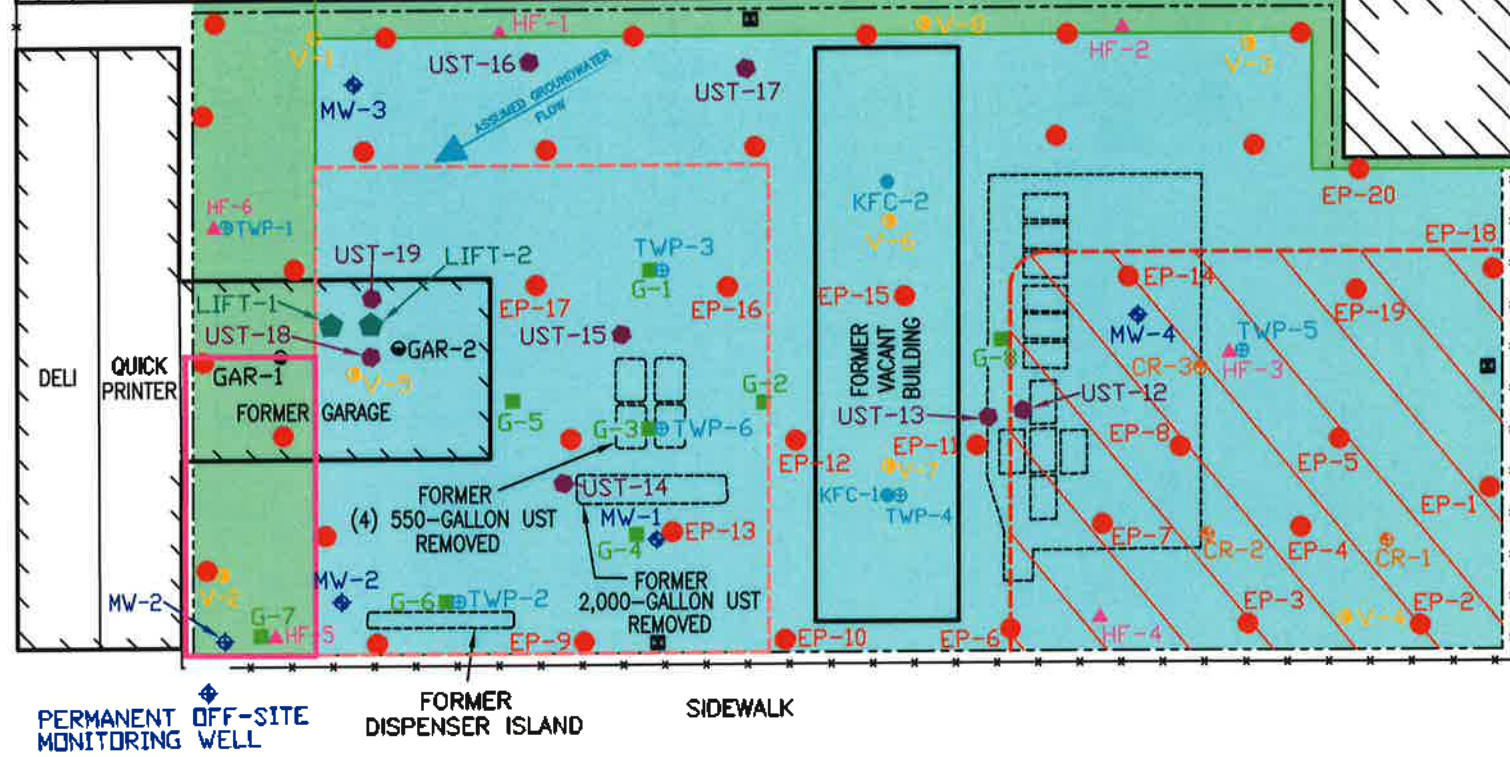
Figures



TRACK 4 REMEDIAL AREA COMPOSITE COVER DETAIL
NTS

RIDER AVENUE

SIDEWALK



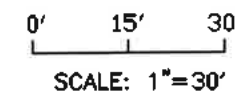
SIDEWALK

MORRIS AVENUE/3RD AVENUE

EAST 138TH STREET

LEGEND

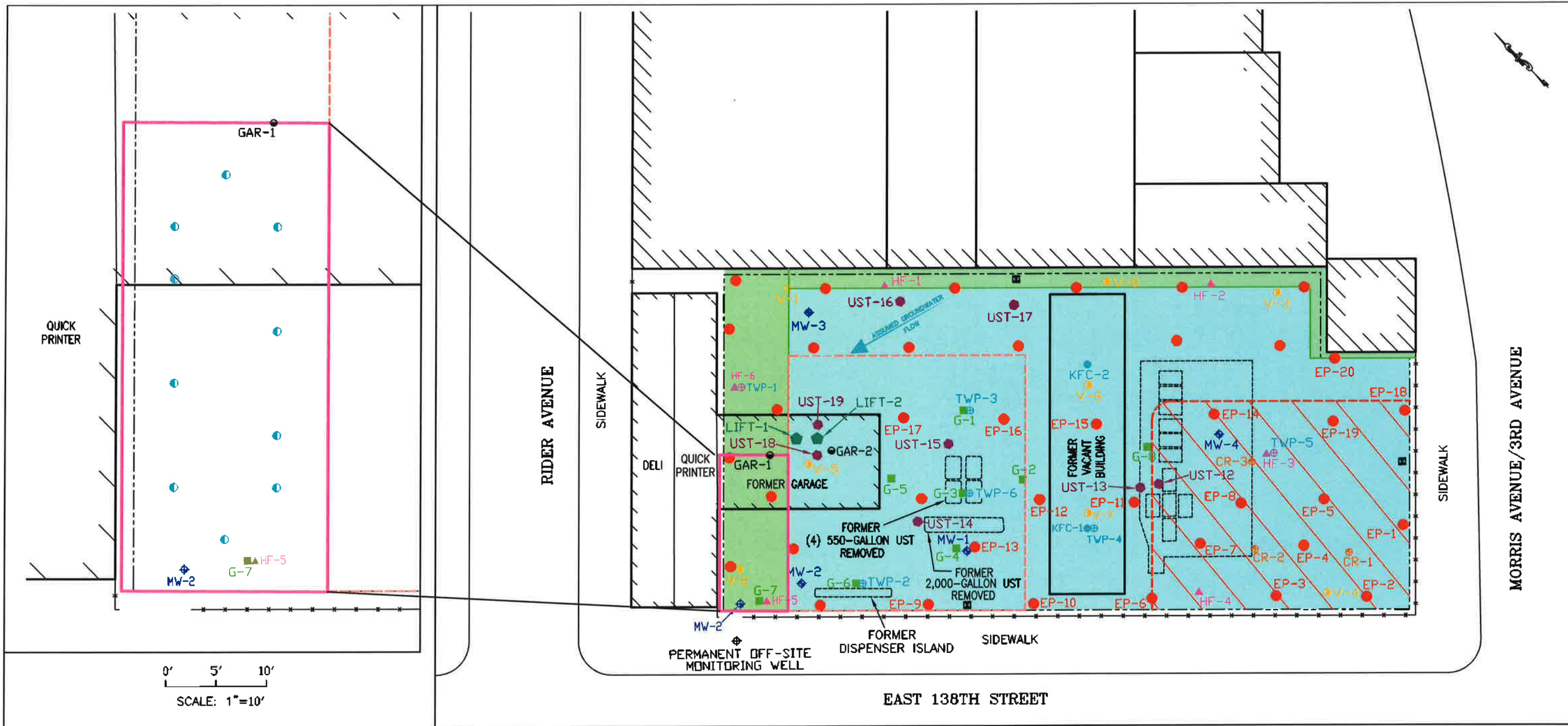
- - PROPERTY BOUNDARY
- ⊕ - MONITORING WELL LOCATION
- MW-1
- - SOIL BORING SAMPLE LOCATION
- G-1
- ▲ - SOIL BORING SAMPLE LOCATION
- HF-1
- - SOIL BORING SAMPLE LOCATION
- KFC-1
- - SOIL BORING SAMPLE LOCATION
- GAR-1
- ⊕ - TEMPORARY WELL POINT LOCATION
- TWP-3
- - VAPOR SAMPLE LOCATION
- V-2
- - CHROMIUM END-POINT SAMPLE LOCATION
- CR-1
- - CHEMICAL INJECTION TREATMENT AREA EXTENT
- - END-POINT SAMPLE LOCATION
- EP-1
- - HYDRAULIC LIFT SAMPLE LOCATION
- LIFT-1
- - UNDERGROUND STORAGE TANK SAMPLE LOCATION
- UST-12
- ▨ - TRACK 1 REMEDIAL AREA
- - APPROXIMATE EXTENT OF DRC APPLICATION
- - TRACK 2 REMEDIAL AREA
- - TRACK 4 REMEDIAL AREA
- - PROPOSED END-POINT SAMPLE LOCATION
- ⊕ - PROPOSED AIR MONITORING LOCATION
- ⊕ - PROPOSED MONITORING WELL LOCATION



BRINKERHOFF
ENVIRONMENTAL SERVICES, INC.

FIGURE 1 - TRACK 1, TRACK 2
AND TRACK 4 REMEDIAL AREA PLAN
255 EAST 138TH STREET
BLOCK 2333, LOT 1
BRONX, NEW YORK

DATE: 6/9/16 JOB NO.: 10BR188 SCALE: 1" = 30'



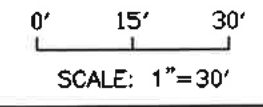
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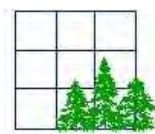
- - PROPERTY BOUNDARY
- - CHEMICAL INJECTION TREATMENT AREA EXTENT
- - PROPOSED TEMPORARY CHEMICAL INJECTION LOCATION
- ⊕ - MONITORING WELL LOCATION
- MW-1
- - SOIL BORING SAMPLE LOCATION
- G-1
- ▲ - SOIL BORING SAMPLE LOCATION
- HF-1
- - SOIL BORING SAMPLE LOCATION
- KFC-1
- - SOIL BORING SAMPLE LOCATION
- GAR-1
- ⊕ - TEMPORARY WELL POINT LOCATION
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- CR-1
- - END-POINT SAMPLE LOCATION
- EP-1
- ⬢ - HYDRAULIC LIFT SAMPLE LOCATION
- LIFT-1
- - UNDERGROUND STORAGE TANK SAMPLE LOCATION
- UST-12
- ▨ - TRACK 1 REMEDIAL AREA
- ▨ - APPROXIMATE EXTENT OF URC APPLICATION
- ▨ - TRACK 2 REMEDIAL AREA
- ▨ - TRACK 4 REMEDIAL AREA
- - PROPOSED END-POINT SAMPLE LOCATION
- ⊕ - PROPOSED AIR MONITORING LOCATION
- ⊕ - PROPOSED PERMANENT MONITORING WELL LOCATION

BRINKERHOFF
 ENVIRONMENTAL SERVICES, INC.

FIGURE 2 - PROPOSED CHEMICAL INJECTION LOCATION PLAN
 255 EAST 138TH STREET
 BLOCK 2333, LOT 1
 BRONX, NEW YORK

DATE: 6/13/16 JOB NO.: 10BR188 SCALE: AS SHOWN





Tables

Table 1
Pre-Construction Groundwater Sample Results Summary
August 20, 2015 (TMW-1)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1501458			Result	Qualifier	Result	Qualifier
Lab: Accredited Analytical Resources LLC			1501458-01		1501458-01RE1	
Client: BRINKERHOFF ENVIRONMENTAL - 255 East 138th Street			TMW-1		TMW-1	
CAS#	Compound	NYSDEC GWQS	08/20/15		08/20/15	
Semivolatile Organic Compounds EPA Method SW846 8270 (ug/L)						
120-82-1	1,2,4-Trichlorobenzene	5	0.515	U	2.58	U
95-50-1	1,2-Dichlorobenzene	3	0.515	U	2.58	U
541-73-1	1,3-Dichlorobenzene	3	0.515	U	2.58	U
106-46-7	1,4-Dichlorobenzene	3	0.515	U	2.58	U
95-95-4	2,4,5-Trichlorophenol	NA	0.515	U	2.58	U
88-06-2	2,4,6-Trichlorophenol	NA	0.515	U	2.58	U
120-83-2	2,4-Dichlorophenol	5	0.515	U	2.58	U
105-67-9	2,4-Dimethylphenol	50	0.515	U	2.58	U
51-28-5	2,4-Dinitrophenol	10	1.03	U	5.15	U
121-14-2	2,4-Dinitrotoluene	5	0.515	U	2.58	U
606-20-2	2,6-Dinitrotoluene	5	0.515	U	2.58	U
91-58-7	2-Chloronaphthalene	10	0.515	U	2.58	U
95-57-8	2-Chlorophenol	NA	0.515	U	2.58	U
91-57-6	2-Methylnaphthylene	NA	54.9		62.0	D
95-48-7	2-Methylphenol	NA	0.515	U	2.58	U
88-74-4	2-Nitroaniline	5	0.515	U	2.58	U
88-75-5	2-Nitrophenol	NA	0.515	U	2.58	U
106-44-5	3 & 4-Methylphenol	NA	0.515	U	2.58	U
91-94-1	3,3'-Dichlorobenzidine	NA	0.515	U	2.58	U
99-09-2	3-Nitroaniline	5	0.515	U	2.58	U
534-52-1	4,6-Dinitro-2-methylphenol	NA	0.515	U	2.58	U
101-55-3	4-Bromophenyl-phenylether	NA	0.515	U	2.58	U
59-50-7	4-Chloro-3-methylphenol	NA	0.515	U	2.58	U
106-47-8	4-Chloroaniline	5	0.515	U	2.58	U
7005-72-3	4-Chlorophenyl-phenylether	NA	0.515	U	2.58	U
100-01-6	4-Nitroaniline	5	0.515	U	2.58	U
100-02-7	4-Nitrophenol	NA	0.515	U	2.58	U
83-32-9	Acenaphthene	20	0.515	U	2.58	U
208-96-8	Acenaphthylene	NA	0.515	U	2.58	U
120-12-7	Anthracene	50	0.515	U	2.58	U
56-55-3	Benzo[a]anthracene	0.002	0.103	U	0.515	U
50-32-8	Benzo[a]pyrene	NA	0.103	U	0.515	U
205-99-2	Benzo[b]fluoranthene	0.002	0.206	U	1.03	U
191-24-2	Benzo[ghi]perylene	NA	0.103	U	0.515	U
207-08-9	Benzo[k]fluoranthene	0.002	0.515	U	2.58	U
65-85-0	Benzoic acid	NA	2.06	U	10.3	U
100-51-6	Benzyl alcohol	NA	0.515	U	2.58	U
111-91-1	bis(2-chloroethoxy)methane	5	0.515	U	2.58	U
111-44-4	bis(2-chloroethyl)ether	1	0.515	U	2.58	U
39638-32-9	bis(2-chloroisopropyl)ether	NA	0.515	U	2.58	U
117-81-7	bis(2-ethylhexyl)phthalate	5	0.629	JB	2.58	U
85-68-7	Butylbenzylphthalate	NA	0.515	U	2.58	U
218-01-9	Chrysene	0.002	0.103	U	0.515	U
84-74-2	Di-n-butyl phthalate	NA	0.515	U	2.58	U
117-84-0	Di-n-octyl phthalate	50	0.515	U	2.58	U
53-70-3	Dibenzo(a,h)anthracene	NA	0.206	U	1.03	U
132-64-9	Dibenzofuran	NA	0.515	U	2.58	U
84-66-2	Diethyl phthalate	NA	0.515	U	2.58	U
131-11-3	Dimethylphthalate	NA	0.515	U	2.58	U
206-44-0	Fluoranthene	50	0.515	U	2.58	U

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Work Order 1501458			Result	Qualifier	Result	Qualifier
Lab: Accredited Analytical Resources LLC			1501458-01		1501458-01RE1	
Client: BRINKERHOFF ENVIRONMENTAL - 255 East 138th Street			TMW-1		TMW-1	
CAS#	Compound	NYSDEC GWQS	08/20/15		08/20/15	
86-73-7	Fluorene	50	0.515	U	2.58	U
118-74-1	Hexachlorobenzene	0.04	0.515	U	2.58	U
87-68-3	Hexachlorobutadiene	0.5	0.515	U	2.58	U
77-47-4	Hexachlorocyclopentadiene	5	0.515	U	2.58	U
67-72-1	Hexachloroethane	5	0.515	U	2.58	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.002	0.515	U	2.58	U
78-59-1	Isophorone	50	0.515	U	2.58	U
621-64-7	N-Nitroso-di-n-propylamine	NA	0.515	U	2.58	U
62-75-9	N-Nitrosodimethylamine	NA	0.515	U	2.58	U
86-30-6	N-Nitrosodiphenylamine	50	0.515	U	2.58	U
91-20-3	Naphthalene	10	99.8	E	117	D
98-95-3	Nitrobenzene	0.4	0.515	U	2.58	U
87-86-5	Pentachlorophenol	1	0.515	U	2.58	U
85-01-8	Phenanthrene	50	0.572	J	0.515	U
108-95-2	Phenol	1	0.515	U	2.58	U
129-00-0	Pyrene	50	0.515	U	2.58	U
Volatile Organic Compounds EPA Method SW846 8260 (ug/L)						
630-20-6	1,1,1,2-Tetrachloroethane	5	10.0	U	50.0	U
71-55-6	1,1,1-Trichloroethane	5	10.0	U	50.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5	10.0	U	50.0	U
79-00-5	1,1,2-Trichloroethane	1	10.0	U	50.0	U
75-34-3	1,1-Dichloroethane	5	8.00	U	40.0	U
75-35-4	1,1-Dichloroethene	5	8.00	U	40.0	U
563-58-6	1,1-Dichloropropene	NA	10.0	U	50.0	U
87-61-6	1,2,3-Trichlorobenzene	5	10.0	U	50.0	U
96-18-4	1,2,3-Trichloropropane	0.04	10.0	U	50.0	U
120-82-1	1,2,4-Trichlorobenzene	5	10.0	U	50.0	U
95-63-6	1,2,4-Trimethylbenzene	5	3280	DE	2850	D
96-12-8	1,2-Dibromo-3-chloropropane	0.04	10.0	U	50.0	U
106-93-4	1,2-Dibromoethane	NA	10.0	U	50.0	U
95-50-1	1,2-Dichlorobenzene	NA	10.0	U	50.0	U
107-06-2	1,2-Dichloroethane	0.6	10.0	U	50.0	U
78-87-5	1,2-Dichloropropane	1	10.0	U	50.0	U
108-67-8	1,3,5-Trimethylbenzene	5	998	D	787	D
541-73-1	1,3-Dichlorobenzene	3	10.0	U	50.0	U
142-28-9	1,3-Dichloropropane	5	10.0	U	50.0	U
106-46-7	1,4-Dichlorobenzene	3	10.0	U	50.0	U
590-20-7	2,2-Dichloropropane	NA	8.00	U	40.0	U
78-93-3	2-Butanone	50	10.0	U	50.0	U
110-75-8	2-Chloroethyl vinyl ether	NA	10.0	U	50.0	U
95-49-8	2-Chlorotoluene	5	10.0	U	50.0	U
591-78-6	2-Hexanone	50	10.0	U	50.0	U
106-43-4	4-Chlorotoluene	5	10.0	U	50.0	U
108-10-1	4-Methyl-2-pentanone	NA	10.0	U	50.0	U
67-64-1	Acetone	50	59.8	D	100	U
107-02-8	Acrolein	5	120	U	600	U
107-13-1	Acrylonitrile	5	40.0	U	200	U
71-43-2	Benzene	1	10.0	U	50.0	U
108-86-1	Bromobenzene	5	10.0	U	50.0	U
74-97-5	Bromochloromethane	5	10.0	U	50.0	U
75-27-4	Bromodichloromethane	50	10.0	U	50.0	U

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Client: BRINKERHOFF ENVIRONMENTAL - 255 East 138th Street			TMW-1		TMW-1	
CAS#	Compound	NYSDEC GWQS	08/20/15		08/20/15	
75-25-2	Bromoform	50	10.0	U	50.0	U
74-83-9	Bromomethane	5	20.0	U	100	U
75-15-0	Carbon disulfide	NA	8.00	U	40.0	U
56-23-5	Carbon Tetrachloride	5	10.0	U	50.0	U
108-90-7	Chlorobenzene	5	10.0	U	50.0	U
75-00-3	Chloroethane	5	20.0	U	100	U
67-66-3	Chloroform	7	10.0	U	50.0	U
74-87-3	Chloromethane	NA	20.0	U	100	U
156-59-4	cis-1,2-Dichloroethene	5	10.0	U	50.0	U
10061-01-5	cis-1,3-Dichloropropene	NA	10.0	U	50.0	U
124-48-1	Dibromochloromethane	50	10.0	U	50.0	U
74-95-3	Dibromomethane	5	10.0	U	50.0	U
75-71-8	Dichlorodifluoromethane	5	20.0	U	100	U
100-41-4	Ethylbenzene	5	1180	D	1200	D
87-68-3	Hexachlorobutadiene	0.5	10.0	U	50.0	U
98-82-8	Isopropylbenzene	5	296	D	245	D
108-38-3/106-	m,p-Xylenes	NA	3560	D	3650	D
75-09-2	Methylene Chloride	5	29.2	BD	40.0	U
104-51-8	n-Butyl Benzene	5	259	D	50.0	U
103-65-1	n-Propyl Benzene	5	845	D	676	D
95-47-6	o-Xylene	NA	1200	D	1180	D
99-87-6	p-Isopropyltoluene	NA	41.2	D	50.0	U
135-98-8	sec-Butylbenzene	5	88.8	D	50.0	U
100-42-5	Styrene	NA	20.0	U	100	U
98-06-6	tert-Butylbenzene	5	10.0	U	50.0	U
127-18-4	Tetrachloroethene	5	10.0	U	50.0	U
108-88-3	Toluene	5	24.2	D	50.0	U
156-60-5	trans-1,2-Dichloroethene	5	8.00	U	40.0	U
10061-02-6	trans-1,3-Dichloropropene	0.4	10.0	U	50.0	U
79-01-6	Trichloroethene	5	10.0	U	50.0	U
75-69-4	Trichlorofluoromethane	5	20.0	U	100	U
108-05-4	Vinyl acetate	NA	8.00	U	40.0	U
75-01-4	Vinyl chloride	2	20.0	U	100	U

Notes:

NYSDEC GWQS = TOGS 1.1.1 New York State Ambient Grounwater Quality Guidance Values Table 1, 1998

Red = exceeds NYSDEC GWQS

Qualifiers:

E - Concentration exceeds highest calibration standard

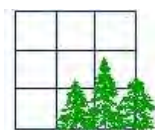
B - Indicates compound found in associated blank

D - Indicates result is based on a dilution

H - Alternate peak selection upon analytical review

J - Indicates estimated value for TICs and all results when detected below the RL

U - Indicates compound analyzed for but not detected



APPENDIX I

REMEDIAL ACTION WORKPLAN

255 East 138th Street
Bronx, New York
NYSDEC BCP Number: C203057

Prepared for:

East 138th Street LLC
334-336 East 110th Street
New York, NY 10029

Prepared by:



Environmental Remediation and Financial Services, LLC
999 Airport Road, Unit 4
Lakewood, New Jersey 08701

March 2016

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2.0	BACKGROUND INFORMATION AND REMEDIATION OVERVIEW	2
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LIST OF FIGURES

Figure 1	Proposed Direct Push On-Contact Location Map
Figure 2	Proposed Injection Well and Injection Lateral Location Map

APPENDICES

Appendix A	On-Contact Process
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1.0 INTRODUCTION

Environmental Remediation and Financial Services, LLC (ERFS) has prepared this Remedial Action Workplan (RAW) to address gasoline contamination located at the 255 East 138th property, located in Bronx, New York (the Site). ERFS is submitting this RAW proposing the application of the On-Contact Remediation Process® (On-Contact) to treat the petroleum contamination in-situ.

ERFS' method of remediation is known as the On-Contact Remediation Process®. The On-Contact Process® consists of four stages that can be repeated throughout the project. The four stages are: the physical delivery stage, the preparation stage, the conversion stage, and the restoration stage. Several methods will be used during each of these four stages as the project progresses. The effectiveness of each method will be gauged in the field using real-time field monitoring along with sampling and laboratory analysis. Methods will be adjusted during and between treatment events in an attempt to maximize the effectiveness of each treatment event.

ERFS has submitted a separate letter to the UIC Division at USEPA Region 2 notifying UIC that the injections are planned. This RAW describes the proposed in-situ remediation of petroleum impacted soil and groundwater at the Site. ERFS will remediate impacted soil and groundwater to the site's applicable NYSDEC standards.



2.0 BACKGROUND INFORMATION AND REMEDIATION OVERVIEW

2.1 Background Information

The subject property was formerly developed as two gas stations; #245 East 138th Street (a 2,000 gallon UST, 4 550-gallon USTs and a dispenser island); and #2551 3rd Avenue (11 550-gallon USTs). Prior to 1978, the gas stations were demolished and a filling station was constructed on western portion of the property and a commercial building was constructed in the center of the property.

In 1998, four 550-gallon USTs the 2,000 gallon UST and the pump island were removed. A limited soil excavation was conducted; however residual impacted soil remained on the property. Subsequent monitoring well installation and quarterly groundwater monitoring and sampling was performed from 2004 through 2006. In 2007, the 11 550-gallon USTs and the associated piping were removed from the property. Subsequent soil sampling showed elevated base neutral impacts on the site that were associated with historical fill material that was prevalent on-site and in the surrounding area. In 2011, Brinkerhoff conducted a Phase II throughout the Site which consisted of soil and groundwater sample collection for laboratory analysis. The soil sampling results exceeded the 6 NYCRR Part 375 Cleanup Objectives and the CP-51 Soil Cleanup Levels for Gasoline contaminated soil. The soil sampling results also reported elevated metal concentrations which exceeded the NYSEDC Recommended Soil Cleanup Objectives for Restricted Residential Use. The groundwater sampling results exceeded the NYSDEC Groundwater Standards in monitoring wells MW-2 and TWP-1. Based on Brinkerhoff's 2011 Phase II, additional remediation is necessary at the site.

Currently, a portion of the site has been excavated to an approximate depth of 15 feet below ground surface (bgs). Due to access issues, ERFS has been retained to remediate soil and groundwater impacts in an area that could not be excavated. ERFS' in-situ Treatment Area measures approximately 40 feet long by 20 feet wide with a vertical interval from 6 feet to 15 feet bgs.

2.2 Selection of Remedial Action

Several innovative remedial technologies were evaluated for their ability to remediate impacted soil and groundwater identified at the Site. Treatment technologies were evaluated based on the ability to remediate the underlying soil and groundwater contamination with minimal disruption to the Site. In-situ chemical oxidation using the On-Contact Remediation Process® is proposed to drive the destruction of contaminants in a timely and cost-effective fashion.

3.0 PROPOSED REMEDIAL ACTION WORKPLAN

3.1 Description of the On Contact Remediation Process®

The On-Contact Remediation Process® is a proprietary in-situ technology which involves the application of physical, chemical and biological methods to degrade organic contamination in soil and groundwater into harmless compounds such as carbon dioxide and water. Specifically, the On-Contact Remediation Process® consists of the following four stages; 1) a physical method to enhance the disbursement of Process reagents into the contaminated area, 2) a chemical method involving the injection of a proprietary biodegradable mixture of additives to enhance the availability of target contaminants, 3) a chemical method involving the injection of a proprietary oxidation mixture to degrade target contaminants and 4) a chemical method to complete the degradation process and restore subsurface conditions, if necessary. These stages will be applied through the physical delivery devices described below.

The overall project approach is to apply repeated treatments into the targeted areas and vertical intervals so as to reduce contaminant mass within the impacted volume of soil and groundwater. Treatment effectiveness will be gauged using real-time field monitoring data and interim sampling analytical results. Data collected during the project will be used to adjust the injection details and decision making regarding injection techniques (e.g. installing supplemental injection devices) and reagent formulations (e.g. altering amounts, ratios, concentrations, sequences and frequency of applied remediation reagents).

3.2 Site Specific Design Summary

This section provides an overview of the site specific design based on information obtained during soil and groundwater investigations. More detailed descriptions of the techniques to be used and reagents to be injected are provided in the sections that follow below.

Physical Delivery Stage – ERFS anticipates installing temporary direct push injection points, vertical injection points, and injection laterals during the course of remedial activities. It should be noted that not all injection points will necessarily be installed initially. The location of the proposed infrastructure is illustrated in **Figures 1 and 2**.

Direct Push Injection – ERFS will utilize a direct push (i.e. Geoprobe) injection method to deliver treatment reagents at targeted depths at any time during the remedial program. Injection points may be clustered closer together in highly impacted areas and may be placed further apart in lesser contaminated areas. Injection point locations will be selected based on site accessibility (i.e. locations of structures, subsurface utilities, and etc. present in within the treatment zone). The location of the proposed infrastructure is illustrated in **Figure 1**.

Vertical Injection Points (VIPs) – Based on sampling data collected following the direct push injections, residual soil and groundwater impacts may be addressed with vertical injection points.

The vertical injection points will be installed at depths targeting the impacted zone of 6 feet to 15 feet bgs. A figure showing the locations of the proposed vertical injection points is provided as **Figure 2**.

Injection Laterals (ILs) – Prior to backfilling the excavation area, injection laterals may be placed on the northwestern portion of the excavation, which will extend beneath the Treatment Area. These injection laterals will be installed at varying depth throughout the impacted zone of 6 feet to 15 feet bgs. A figure showing the locations of the proposed injection laterals is provided as **Figure 2**.

Sequence of Activities – ERFS will follow the sequence below when implementing remediation at the Site:

- Event 1 will be conducted using direct push injections. Event 2 and possibly future events may repeat this effort or a smaller scope (e.g. focused direct push injection in a stubborn area) direct push injection following Event 1.
- Install Structures. Based on interim sampling, ERFS may install injection infrastructure, as needed, following Event 1. Additional injection points may be installed within the Treatment Area, if needed.
- Conduct repeated treatments - ERFS may conduct repeated treatment events, as needed.
- Monitoring - Monitoring of field parameters will be conducted during each treatment event. Soil and Groundwater sampling will be conducted by Brinkerhoff.
- Once remediation is complete, post-remediation monitoring will be conducted by Triassic.

3.3 Treatment Design/Chemical Treatment

ERFS has conducted numerous treatments of gasoline contamination at similar sites and will use oxidizer blends found to be effective at those sites. ERFS will use the aforementioned injection infrastructure described above to treat impacted soil and groundwater at the Site. Additional information regarding the On-Contact Process description is provided in **Appendix A**.

ERFS will apply reagents as summarized in the bullets below to achieve remediation goals. The type, quantity, concentration, sequence, and frequency of reagent addition will vary over the course of the project. Estimated volumes and concentrations of reagents that may be used at some or all injection points during each injection event are listed below.

- Ferrous Sulfate – Approximately 1,000 to 2,000 gallons of 3% to 7% aqueous solution injected into the Treatment Area during each day of a treatment event.
- Hydrogen peroxide – Approximately 4,000 to 7,000 gallons of 3% to 7% aqueous solution injected into the Treatment Area during each day of a treatment event.

* The chemicals used for treatment events will be mixed on-site using a potable water supply.

ERFS will mobilize all equipment and personnel required to apply the On-Contact Remediation



Process® at the Site.

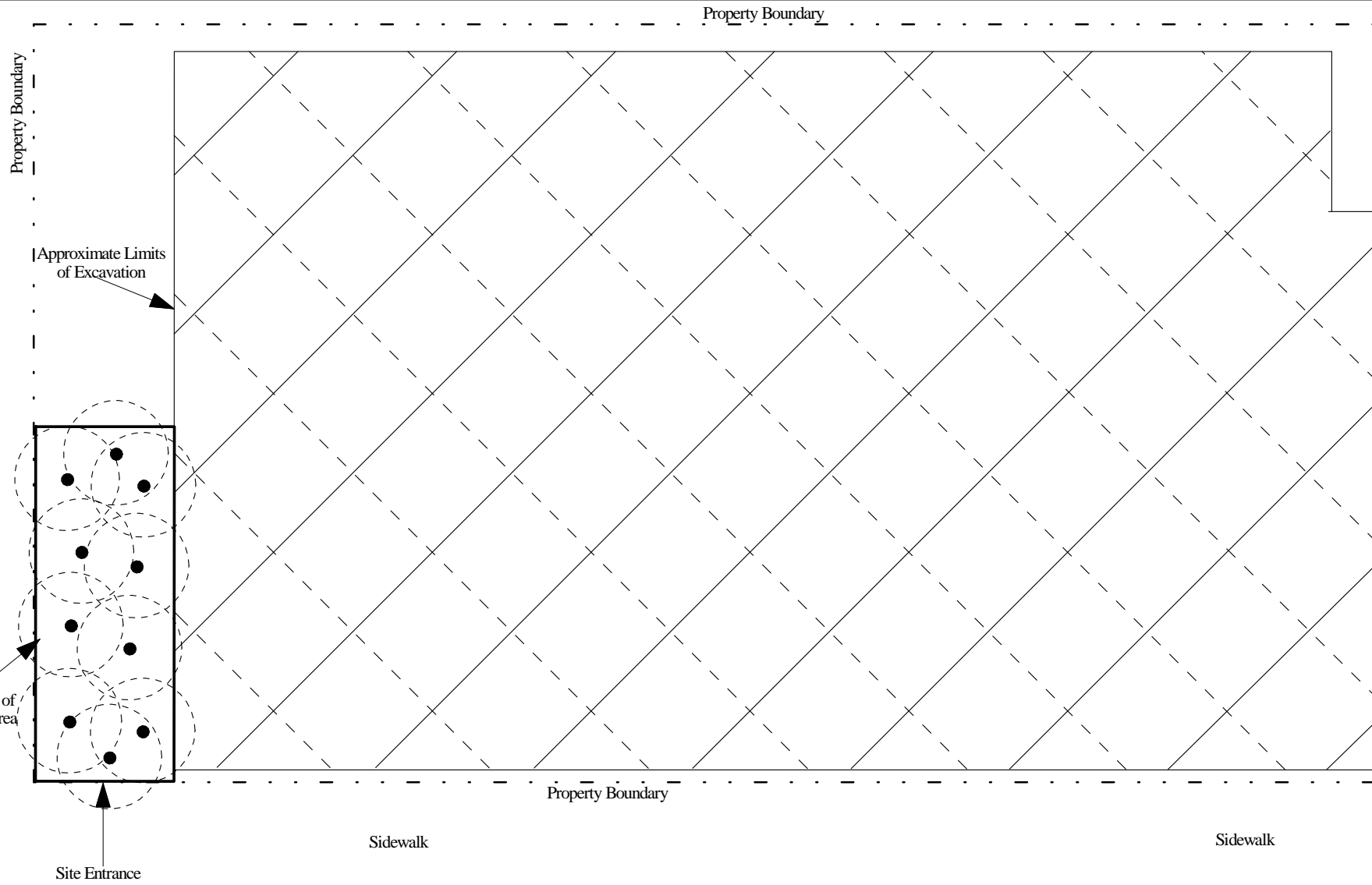
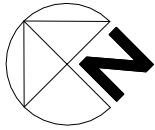
3.4 Remedial Monitoring

All remedial monitoring activities will be performed by Brinkerhoff.

3.5 Site Health and Safety

A copy of the Health and Safety plan has been prepared and will be on-site during all field activities.

FIGURES



Legend

● Temporary Direct Push Injection Point

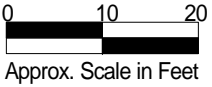


Figure 1
Proposed On-Contact
Location Map

255 East 138th Street
 Bronx, New York

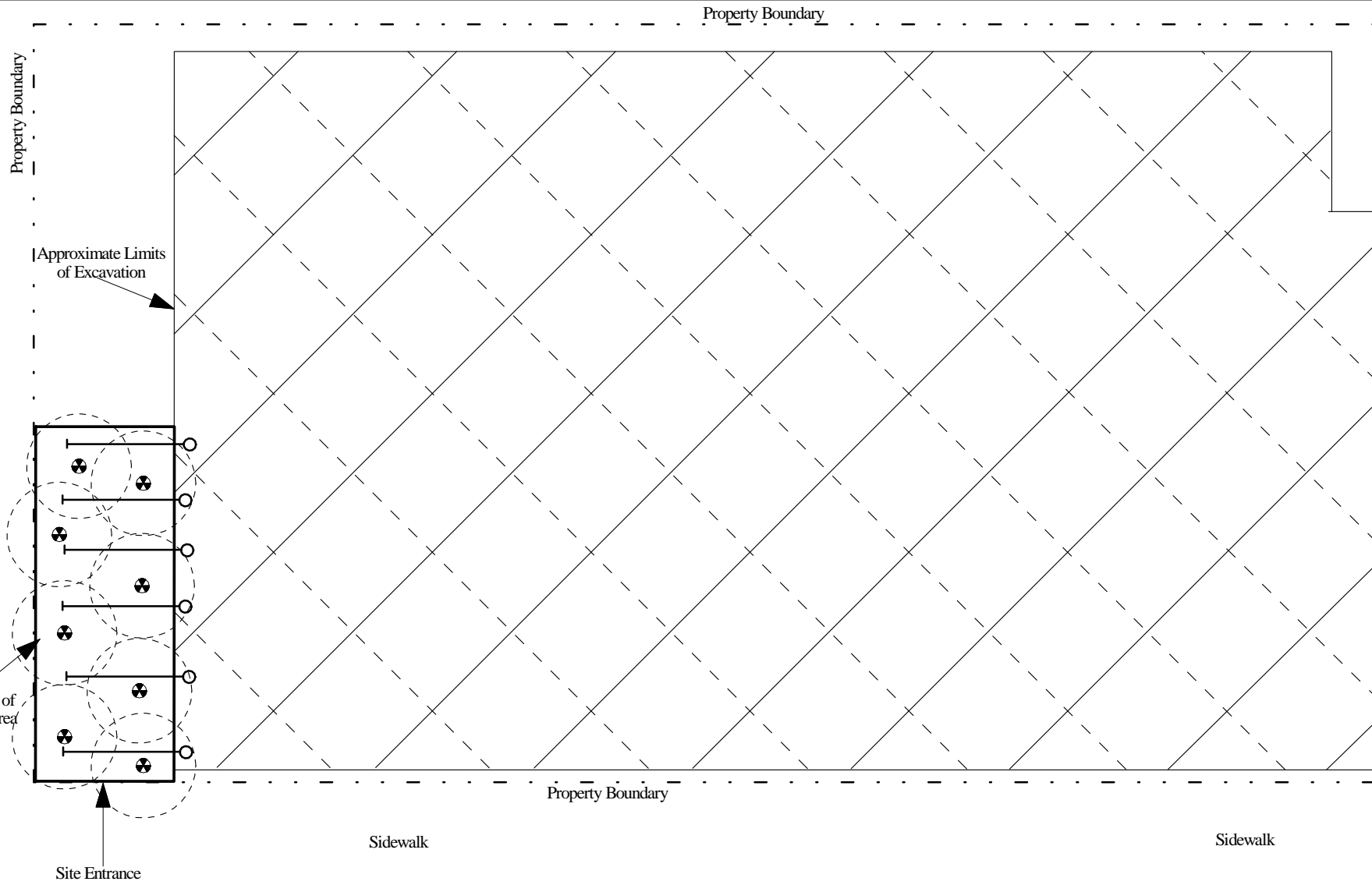
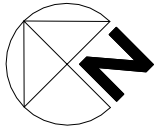
Prepared By:

Environmental Remediation and Financial Services, LLC

Pay-for-Performance Remediation Services

999 Airport Road, Unit 4
 Lakewood, NJ 08701

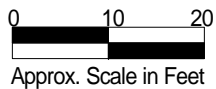
Date: 3/28/2016	Scale: 1" = 20'	Draftsperson:	CJ
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Legend

- Vertical Injection Point
- Injection Lateral

Figure 2
Proposed Vertical Injection
Point and Injection Lateral
Location Map
 255 East 138th Street
 Bronx, New York



Prepared By:

Environmental Remediation and Financial Services, LLC

Pay-for-Performance Remediation Services

999 Airport Road, Unit 4
 Lakewood, NJ 08701

Date: 3/28/2016	Scale: 1" = 20'	Draftsperson: CJ
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APPENDIX A
On-Contact Process

ERFS ON-CONTACT PROCESS® DESCRIPTION

The On-Contact Remediation Process® is a proprietary in-situ technology which involves the application of physical, chemical and biological methods to degrade organic contamination in soil and groundwater into harmless compounds such as carbon dioxide and water. Specifically, the On-Contact Remediation Process® consists of the following four stages; 1) a physical method to enhance the disbursement of Process reagents into the contaminated area, 2) a chemical method involving the injection of a proprietary biodegradable mixture of additives to enhance the availability of target contaminants, 3) a chemical method involving the injection of a proprietary oxidation mixture to degrade target contaminants and 4) a chemical method to complete the degradation process and restore subsurface conditions, if necessary. These stages will be applied through the physical delivery devices described below.

The overall project approach is to apply repeated treatments into the targeted areas and vertical intervals so as to reduce contaminant mass within the impacted volume of soil and groundwater. Treatment effectiveness will be gauged using real-time field monitoring data and interim sampling analytical results. Data collected during the project will be used to adjust the injection details and decision making regarding injection techniques (e.g. installing supplemental injection devices) and reagent formulations (e.g. altering amounts, ratios, concentrations, sequences, and frequency of applied remediation reagents).

The remediation techniques described below will be used in varying combinations depending on cleanup progress. Injection methods, chemical reagents, treatment frequency, and monitoring practices may be adjusted throughout the project based on field monitoring, analytical results, and at the discretion of the ERFS project engineer.

Physical Stage

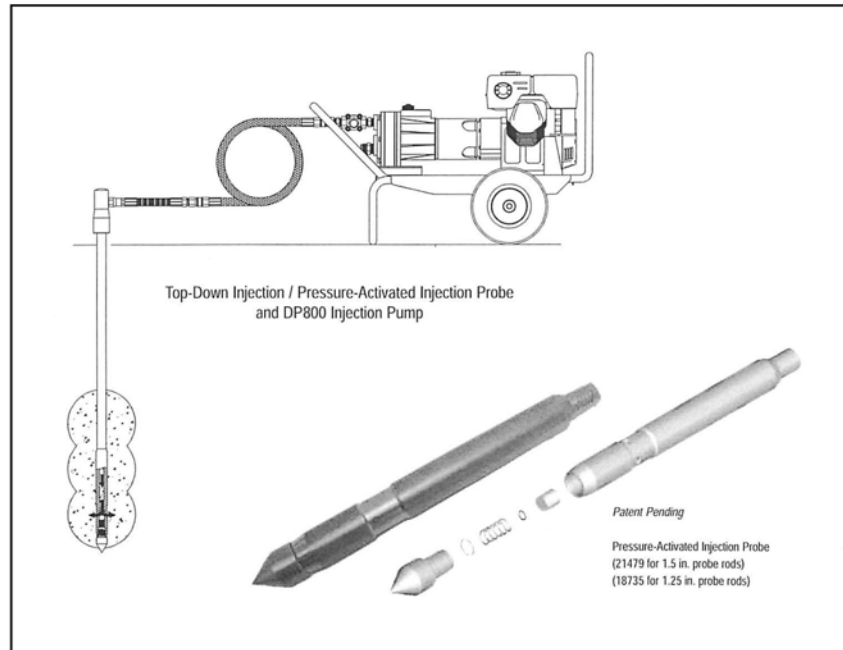
This stage utilizes multiple possible “Physical Delivery Devices”. Most On Contact® sites are treated using a combination of devices to increase the remedial effectiveness.

Direct Push Injection involves drilling specialized Geoprobe injection tooling to the targeted depth intervals and then injecting treatment reagents that will break down contaminants in-situ. Direct push injection allows rapid application of a large reagent volume so that significant contaminant reduction can be achieved. Furthermore, direct injection creates subsurface interactions between soils and groundwater such that mixing is promoted leading to better treatment. Direct push injections allow flexibility for injecting into multiple locations and to deliver large volumes of reagents focused into targeted intervals.

This injection method entails the use of a direct push rig to insert a Geoprobe injection tool to the targeted depth for injection. Once the injection tool is driven to the targeted depth, a pressure hose is connected to the drive rods at grade to allow fluid transfer into the injector and then into surrounding soils and groundwater. Direct push injection will allow rapid application of a large reagent volume so that significant contaminant reduction can be realized early in the project. Further, direct injection will have the localized effect of creating a good mixing zone of subsurface soils and groundwater within the injection point radius of influence (ROI) to promote

better contact with contaminants and hence better treatment. Additionally, the injection tool can be moved vertically, if desired, to ensure good vertical treatment along the targeted interval.

The first, and possibly the second, injection events may be conducted using direct push drilling and injection techniques. Additionally, this technique may be used near the end of the project if localized area(s) are found to have residual contamination above cleanup goals and require polishing. Direct push injection use for the second event will be determined based on observations during the first event.



Geoprobe Direct Push Injection Schematic

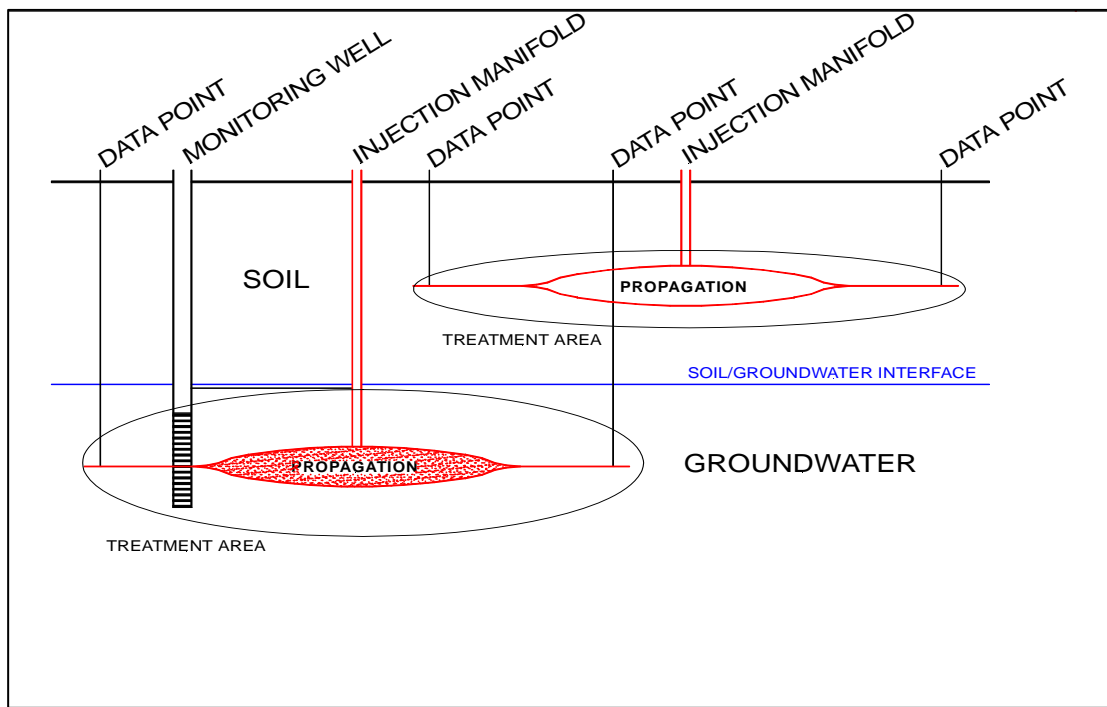
Propagations are replacements for inefficient wells. Propagations are installed using a fracturing like technology to create a disk up to 20 feet across and approximately 2 mm in average thickness. This creates a plane of approximately 1,000 square feet to infiltrate reagents into the subsurface independent of native geological limitations. The final structure of a Propagation can be mapped using transits, sonics and down hole probes. A single Propagation can do the work of multiple injection wells at a fraction of the cost.

Propagations are filled like bladders at low pressure and are used to feed reagents into the groundwater and/or soil. The Propagations can also be converted to piezometers or recovery wells in the future.

Propagations are installed by driving 2-inch diameter, carbon steel threaded pipe sections to the specified treatment interval. Custom adaptors are attached to the lower end of pipe which serves to direct earthen slurry material per design. Once the 2-inch Propagation pipe is installed, approximately one-half to one 55-gallon drum of soil cuttings are generated as the lower end of the drive point is prepared for a sand slurry injection.

A sand slurry is blended and pressurized using a custom injection rig unit and delivered to the Propagation pipe at grade using a high-pressure rubber hose. The rubber hose is attached to the Propagation pipe using a T-fitting equipped with a high-pressure shutdown which is adjusted for each site. Sand slurry is then delivered to the drive point at pressures matching site geology hydraulic fracturing pressure. By controlling flow rate and pressure of the sand slurry, the operator can control the rate of formation and the shape of the Propagation.

Propagation radial influence is verified by reviewing surface deflection readings of pre-surveyed points and the injection pressure/flow log. Surface deflection is measured at multiple points using either a level and transit system or an array of sonic measuring devices and data loggers to accurately measure deflection of the site surface on the order of 1 to 3 mm.



ERFS Propagation Schematic

Infiltration trenches are designed to infuse remedial fluids into a given area. Remedial fluids permeate in a “curtain like” motion through the subsurface. Construction generally consists of slotted screen pipe, seated horizontally in the subsurface within a coarse gravel infiltration bed. Access to the pipe is through a vertical riser pipe finished to grade. An infiltration trench allows transfer of reagents directly to the excavation bed and/or contaminated soils.

Vertical Wells Installed via Direct Push – are PVC injection points for reagent injection installed using direct push. This method can be used in tandem with the propagations described above. This method of reagent delivery will use vertical wells that will be installed by driving a 3-inch diameter direct push rod, installing a 2-inch diameter, Schedule 40 PVC, screen and riser finished in a flush-mounted manhole. Filter pack sand will be washed around the outside of the

PVC well to a level at least one foot above the top of screen as the drill rods are withdrawn. An approximately 6-inch thick bentonite seal will be formed by pouring in powdered bentonite and hydrating the bentonite thoroughly. The remainder of the borehole will be finished by emplacing a grout-bentonite slurry around the PVC. If this method of reagent delivery is proposed for the Site, ERFs will request a variance to NJDEP regulations pertaining to well installation annular space requirements via the approval of this RAW. The variance request is based on the following considerations:

- Wells are to be used for injection, not for monitoring, so the annular space requirements are not critical to good well performance in this case;
- Site disruption and schedule – the site is an occupied residence with little room for heavy equipment and conventional drilling may be highly disruptive. Direct push wells can be installed in less than half the time and with much less disruption;
- Soil cuttings and waste minimization – hollow stem augered wells would generate several drums of contaminated soil cuttings whereas no cuttings are generated via direct push installation;
- H&S Personnel Exposure – direct push installation will not bring highly contaminated soil and groundwater to the surface in the form of cuttings and wet cuttings, thus minimizing the contact between personnel (who would otherwise need to shovel and sweep contaminated soil) and hazardous materials. Direct push installation also eliminates smearing of deeper impacted soil in the upper soils as occurs with augering.
- Flexibility – a compact direct push rig can maneuver easily and reach locations that a larger conventional rig cannot; and,
- Cost – Conventional wells may cost three to four times the cost of installing direct push injection wells.

Supplemental injection points are used to spot treat and/or access areas where other structures are inappropriate. They are used to treat soil and/or groundwater and are generally constructed of 2-inch diameter schedule 40 PVC well screen (typically 5 foot lengths) and solid riser. Boring holes are advanced with a hand auger and 2- inch diameter schedule 40 PVC well screen is inserted into the bore hole. Coarse sand is backfilled around the casing. To create a seal, bentonite is applied from grade to 2 feet bgs, with grout added to grade.

Programmable Release Processor (PRP) is a physical device installed in a vertical injection well for a “time released” dose of reagents. A PRP is installed in an injection well and maintained during the scheduled injections to supplement the on-site chemistry between injections.

Preparation Stage

In all On-Contact® designs, subsurface contaminated areas are prepared to enable a high efficiency of contaminated conversion to base states or harmless compounds. To prevent rebound effects after treatment, contaminants adhering to soil particles need to be removed. Low concentration and volume mixtures of catalysts, acids, emulsifiers, co-solvents and/or surfactants are used to enhance the remediation within the influence of the injection infrastructure.

Conversion Stage

Using oxidizers, reducing compounds and/or transitional compounds specifically configured for the site, contaminants are converted to harmless states “on-contact”. One of the major innovations of the On-Contact® process is the use of real-time monitoring equipment electronics to assess the condition and travel of remediation fluids and the real-time survivability of the contaminants.

All On-Contact® chemistry is adjusted on-site. Real-time monitoring allows for tuning of application stages and thus ends the unpredictability of batch in-situ application, especially infiltration through conventional wells. There is no long-term chemical inventory stored at the site. All On-Contact® chemistry is environmentally friendly, and neutralized by water if spilled. Site work is conducted by OSHA certified/ERFS trained technicians and normally requires Level D OSHA personal protective equipment.

Restoration Stage

When independent testing results conclude the project is completed, a Restoration Stage may be applied to adjust sub-surface conditions, such as pH or iron, if needed.

APPENDIX B
MSDS

The Version Date and Number for this MSDS is : 10/17/2008 - #012

PRODUCT NAME: FERROUS SULFATE ALL GRADES
MSDS NUMBER: MZF1804
DATE ISSUED: 05/19/2008
SUPERSEDES: 09/12/2005
ISSUED BY: 008614

Material Safety Data Sheet

24 Hour Emergency
CHEMTREC 1-800-424-0300

National Response in Canada
CANUTEC: 613-906-6666

Outside U.S. and Canada
Chemtrec 703-427-4127

Distributed by:
Univar USA Inc.
17425 NE Union Hill Rd.
Redmond, WA 98052
425-889-3400

1. Product Identification

Synonyms: Ferrous sulphate; iron sulfate; sulfuric acid, iron (2+) salt
(1:1),

CAS No.: 7720-78-7 Anhydrous
7782-63-0 Heptahydrate
17375-41-6 Monohydrate

Molecular Weight: Not applicable to mixtures.
Chemical Formula: FeSO4 . xH2O

2. Composition/Information on Ingredients

Ingredient	CAS No	Percent	Hazardous
Ferrous Sulfate	7720-78-7	100%	Yes

3. Hazards Identification

Emergency Overview

WARNING! HARMFUL IF SWALLOWED OR INHALED. CAUSES IRRITATION TO SKIN, EYES AND RESPIRATORY TRACT. AFFECTS THE LIVER.

Potential Health Effects

Inhalation:

Causes irritation to the respiratory tract. Symptoms may include coughing, shortness of breath.

Ingestion:

Low toxicity in small quantities but larger dosages may cause nausea, vomiting, diarrhea, and black stool. Pink urine discoloration is a strong indicator of iron poisoning. Liver damage, coma, and death from iron poisoning has been recorded. Smaller doses are much more toxic to children.

Skin Contact:

Causes irritation to skin. Symptoms include redness, itching, and pain.

Eye Contact:

Causes irritation, redness, and pain.

Chronic Exposure:

Severe or chronic ferrous sulfate poisonings may damage blood vessels. Large chronic doses cause rickets in infants. Chronic exposure may cause liver effects. Prolonged exposure of the eyes may cause discoloration.

Aggravation of Pre-existing Conditions:

Persons with pre-existing skin disorders or eye problems, or impaired liver, kidney or respiratory function may be more susceptible to the effects of the substance.

4. First Aid Measures

Inhalation:

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion:

Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.

Skin Contact:

Immediately flush skin with plenty of soap and water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.

Eye Contact:

Immediately flush eyes with plenty of water for at least 15 minutes, lifting

Annotation:

lower and upper eyelids occasionally. Get medical attention immediately.

5. Fire Fighting Measures

Fire:

Not considered to be a fire hazard.

Explosion:

Not considered to be an explosion hazard.

Fire Extinguishing Media:

Use any means suitable for extinguishing surrounding fire.

Special Information:

Use protective clothing and breathing equipment appropriate for the surrounding fire.

6. Accidental Release Measures

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Spills: Pick up and place in a suitable container for reclamation or disposal, using a method that does not generate dust. US Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800) 424-8802.

7. Handling and Storage

Keep in a well closed container stored under cold to warm conditions, 2 to 40 C, (36 to 104F). Protect against physical damage. Isolate from incompatible substances. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

8. Exposure Controls/Personal Protection

Airborne Exposure Limits:

-ACGIH Threshold Limit Value (TLV):

1 mg/m³ (TWA) soluble iron salt as Fe

Ventilation System:

A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices, most recent edition, for details. Personal Respirators (NIOSH Approved):

If the exposure limit is exceeded, a half-face dust/mist respirator may be worn for up to ten times the exposure limit or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier,

Annotation:

whichever is lowest. A full-face piece dust/mist respirator may be worn up to 50 times the exposure limit, or the maximum use concentration specified by the appropriate regulatory agency, or respirator supplier, whichever is lowest. For emergencies or instances where the exposure levels are not known, use a full-facepiece positive-pressure, air-supplied respirator. WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

Skin Protection:

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Eye Protection:

Use chemical safety goggles and/or full face shield where dusting or splashing of solutions is possible. Maintain eye wash fountain and quick-drench facilities in work area.

9. Physical and Chemical Properties

Appearance:

White to slightly yellow tinged powder.

Odor:

Odorless.

Solubility:

Soluble in water.

Density:

No information found.

pH:

No information found.

% Volatiles by volume @ 21C (70F):

0

Boiling Point:

Not applicable.

Melting Point:

500C (932F)

Vapor Density (Air=1):

No information found.

Vapor Pressure (mm Hg):

No information found.

Evaporation Rate (BuAc=1):

No information found.

10. Stability and Reactivity

Stability:

Stable under ordinary conditions of use and storage.

Hazardous Decomposition Products:

Burning may produce sulfur oxides.

Hazardous Polymerization:

Will not occur.

Incompatibilities:

Alkalis, soluble carbonates, and oxidizing materials. Reacts in moist air to form ferric sulfate.

Conditions to Avoid:

Moisture.

11. Toxicological Information

Ferrous sulfate heptahydrate: Oral mouse LD50: 1520 mg/kg, investigated as a mutagen.

Ferrous sulfate anhydrous: oral rat LD50: 319 mg/kg; investigated as a mutagen, tumorigen, reproductive effector.

----- \Cancer Lists\ -----

---NTP Carcinogen---

Ingredient	Known	Anticipated	IARC Category
Ferrous Sulfate (7720-78-7)	No	No	None

12. Ecological Information

Environmental Fate:

No information found.

Environmental Toxicity:

No information found.

13. Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

14. Transport Information

Not regulated.

15. Regulatory Information

Chemical Inventory Status	Part 1			
Ingredient	TSCA	EC	Japan	Australia
Ferrous Sulfate (7720-78-7)	Yes	Yes	Yes	Yes

Chemical Inventory Status	Part 2			
	Canada			
Ingredient	Korea	DSL	NDSL	Phil.
Ferrous Sulfate (7720-78-7)	Yes	Yes	No	Yes

Federal, State & International Regulations	Part 1			
	-SARA 302-		SARA 313 --	
Ingredient	RQ	TPQ	List	Chemical Catg.
Ferrous Sulfate (7720-78-7)	No	No	No	No

Federal, State & International Regulations	Part 2		
	-RCRA-	-TSCA-	
Ingredient	CERCLA	261.33	8(d)
Ferrous Sulfate (7720-78-7)	1000	No	No

Chemical Weapons Convention: No TSCA 12(b): No CDTA: No
SARA 311/312: Acute: Yes Chronic: Yes Fire: No Pressure: No
Reactivity: No (Mixture / Solid)

Australian Hazchem Code: None allocated.

Poison Schedule: None allocated.

WHMIS:

This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

16. Other Information

NFPA Ratings: Health: 1 Flammability: 0 Reactivity: 0

COMPANY IDENTITY: Univar USA Inc.
PRODUCT IDENTITY: HYDROGEN PEROXIDE 20-40%

DATE: 11/21/11
PAGE: 1 OF 7

SAFETY DATA SHEET

This Safety Data Sheet conforms to ANSI Z400.5, and to the format requirements and the International Chemical Safety Cards of the Global Harmonizing System. THIS SDS COMPLIES WITH 29 CFR 1910.1200 (HAZARD COMMUNICATION STANDARD)
IMPORTANT: Read this SDS before handling & disposing of this product.
Pass this information on to employees, customers, & users of this product.

SECTION 1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

PRODUCT IDENTITY: HYDROGEN PEROXIDE 20-40%
SDS NUMBER: CDS1660
NEW MSDS DATE: 11/21/2011
COMPANY IDENTITY: Univar USA Inc.
COMPANY ADDRESS: 17425 NE Union Hill Road
COMPANY CITY: Redmond, WA 98052
COMPANY PHONE: 1-425-889-3400
EMERGENCY PHONES: CHEMTREC: 1-800-424-9300 (USA)
CANUTEC: 1-613-996-6666 (CANADA)

SECTION 2. HAZARDS IDENTIFICATION

WARNING!!



RISK STATEMENTS:

R36/37/38 Irritating to eyes, respiratory system and skin.
R9 Explosive when mixed with combustible material.
R35 Causes severe burns.
R37 Irritating to the respiratory system.

SAFETY STATEMENTS:

S3/9/14/49 Keep only in the original container in a cool, well-ventilated place.
S24/25 Avoid contact with skin and eyes.

SEE SECTION 11 FOR OTHER TOXICOLOGICAL INFORMATION (ACUTE & CHRONIC HAZARDS)

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

MATERIAL	CAS#	EINECS#	WT%
Water	7732-18-5	231-791-2	60-80
Hydrogen Peroxide	7722-84-1	231-765-0	20-40

This product contains no EPA Hazardous Air Pollutants (HAP) in amounts > 0.1%.

COMPANY IDENTITY: Univar USA Inc.
PRODUCT IDENTITY: HYDROGEN PEROXIDE 20-40%

DATE: 11/21/11
PAGE: 2 OF 7

SECTION 4. FIRST AID MEASURES

EYE CONTACT:

If this product enters the eyes, open eyes while under gently running water. Use sufficient force to open eyelids. "Roll" eyes to expose more surface. Minimum flushing is for 15 minutes. Seek immediate medical attention.

SKIN CONTACT:

If the product contaminates the skin, immediately begin decontamination with running water. Minimum flushing is for 15 minutes. Remove contaminated clothing, taking care not to contaminate eyes. If skin becomes irritated and irritation persists, medical attention may be necessary. Wash contaminated clothing before reuse, discard contaminated shoes.

INHALATION:

After high vapor exposure, remove to fresh air. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. Keep person warm and at rest. breathing is difficult, give oxygen. If breathing has stopped, trained personnel should immediately begin artificial respiration. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. If the heart has stopped, trained personnel should immediately begin cardiopulmonary resuscitation (CPR). Seek immediate medical attention. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

SWALLOWING:

If swallowed, CALL PHYSICIAN OR POISON CONTROL CENTER FOR MOST CURRENT INFORMATION. If professional advice is not available, give two glasses of water to drink. DO NOT INDUCE VOMITING. Never induce vomiting or give liquids to someone who is unconscious, having convulsions, or unable to swallow. Seek immediate medical attention.

NOTES TO PHYSICIAN:

There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient. Any material aspirated during vomiting may cause lung injury. Therefore, emesis should not be induced mechanically or pharmacologically. If it is considered necessary to evacuate the stomach contents, this should be done by means least likely to cause aspiration (such as: Gastric lavage after endotracheal intubation).

Victims of chemical exposure must be taken for medical attention. Rescuers should be taken for medical attention, if necessary. Take a copy of label and SDS to physician or health professional with victim.

SECTION 5. FIRE FIGHTING MEASURES

FIRE & EXPLOSION PREVENTIVE MEASURES

Isolate from heat, combustibles, alkalies, and reducing agents.

EXTINGUISHING MEDIA

Use appropriate extinguishing media.

SPECIAL FIRE FIGHTING PROCEDURES

Water spray may be ineffective on fire but can protect fire-fighters & cool closed containers. Use fog nozzles if water is used.
Do not enter confined fire-space without full bunker gear.
(Helmet with face shield, bunker coats, gloves & rubber boots).
Use NIOSH approved positive-pressure self-contained breathing apparatus.

UNUSUAL EXPLOSION AND FIRE PROCEDURES

Isolate from oxidizers, heat, & open flame.
Closed containers may explode if exposed to extreme heat.
Applying to hot surfaces requires special precautions.

COMPANY IDENTITY: Univar USA Inc.
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SECTION 6. ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK RESPONSE AND ENVIRONMENTAL PRECAUTIONS:

Uncontrolled releases should be responded to by trained personnel using pre-planned procedures. Proper protective equipment should be used. In case of a spill, clear the affected area, protect people, and respond with trained personnel.

PERSONAL PROTECTIVE EQUIPMENT

The proper personal protective equipment for incidental releases (such as: 1 Liter of the product released in a well-ventilated area), use impermeable gloves (triple-gloves (rubber gloves and nitrile gloves, over latex gloves), goggles, face shield, and appropriate body protection. In the event of a large release, use impermeable gloves, specific for the material handled, chemically resistant suit and boots, and hard hat. Self-Contained Breathing Apparatus or respirator may be required where engineering controls are not adequate or conditions for potential exposure exist. When respirators are required, select NIOSH/MSHA approved based on actual or potential airborne concentrations in accordance with latest OSHA and/or ANSI recommendations.

ENVIRONMENTAL PRECAUTIONS:

Stop spill at source. Construct temporary dikes of dirt, sand, or any appropriate readily available material to prevent spreading of the material. Close or cap valves and/or block or plug hole in leaking container and transfer to another container. Keep from entering storm sewers and ditches which lead to waterways, and if necessary, call the local fire or police department for immediate emergency assistance.

CONTAINMENT AND CLEAN-UP MEASURES:

Absorb spilled liquid with polypads or other suitable absorbent materials. If necessary, neutralize using suitable buffering material, (acid with soda ash or base with phosphoric acid), and test area with litmus paper to confirm neutralization. Clean up with non-combustible absorbent (such as: sand, soil, and so on). Shovel up and place all spill residue in suitable containers. dispose of at an appropriate waste disposal facility according to current applicable laws and regulations and product characteristics at time of disposal (see Section 13 - Disposal Considerations).

SECTION 7. HANDLING AND STORAGE

HANDLING

Use only with adequate ventilation.
Wear OSHA Standard goggles or face shield. Consult Safety Equipment Supplier. Wear gloves, apron & footwear impervious to this material. Wash clothing before reuse.
To minimize static discharge when transferring, ensure electrical continuity by bonding and grounding all equipment. Use an inlet line diameter of at least 3.5 inches (8.9 centimeters) with a maximum flow rate of 1 meter/second.

STORAGE

Isolate from combustibles, strong oxidants, reducers, alkalies.
Do not store above 49 C/120 F. Keep container closed
& upright when not in use to prevent leakage.

NONBULK: CONTAINERS:

Store containers in a cool, dry location, away from direct sunlight, sources of intense heat, or where freezing is possible. Material should be stored in secondary containers or in a diked area, as appropriate. Store containers away from incompatible chemicals (see Section 10, Stability and Reactivity). Post warning and "NO SMOKING" signs in storage and use areas, as appropriate. Empty containers should be handled with care. Never store food, feed, or drinking water in containers which held this product.

BULK CONTAINERS:

All tanks and pipelines which contain this material must be labeled. Perform routine maintenance on tanks or pipelines which contain this product. Report all leaks immediately to the proper personnel.

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SECTION 7. HANDLING AND STORAGE (CONTINUED)

TANK CAR SHIPMENTS:

Tank cars carrying this product should be loaded and unloaded in strict accordance with tank-car manufacturer's recommendation and all established on-site safety procedures. Appropriate personal protective equipment must be used (see Section 8, Engineering Controls and Personal Protective Equipment.). All loading and unloading equipment must be inspected, prior to each use. Loading and unloading operations must be attended, at all times. Tank cars must be level, brakes must be set or wheels must be locked or blocked prior to loading or unloading. Tank car (for loading) or storage tanks (for unloading) must be verified to be correct for receiving this product and be properly prepared, prior to starting the transfer operations. Hoses must be verified to be in the correct positions, before starting transfer operations. A sample (if required) must be taken and verified (if required) prior to starting transfer operations. All lines must be blown-down and purged before disconnecting them from the tank car or vessel.

PROTECTIVE PRACTICES DURING MAINTENANCE OF CONTAMINATED EQUIPMENT:

Follow practices indicated in Section 6 (Accidental Release Measures). Make certain application equipment is locked and tagged-out safely. Always use this product in areas where adequate ventilation is provided. Collect all rinsates and dispose of according to applicable Federal, State, Provincial, or local procedures.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

MATERIAL	CAS#	EINECS#	TWA (OSHA)	TLV (ACGIH)
Water	7732-18-5	231-791-2	None Known	None Known
Hydrogen Peroxide	7722-84-1	231-765-0	1 ppm	1 ppm

RESPIRATORY EXPOSURE CONTROLS

Maintain airborne contaminant concentrations below exposure limits given above. If respiratory protection is needed, use only protection authorized in 29 CFR 1910.134, European Standard EN 149, or applicable State regulations. If adequate ventilation is not available or there is potential for airborne exposure above the exposure limits, a respirator may be worn up to the respirator exposure limitations, check with respirator equipment manufacturer's recommendations/limitations. For a higher level of protection, use positive pressure supplied air respiration protection or Self-Contained Breathing Apparatus or if oxygen levels are below 19.5% or are unknown.

EMERGENCY OR PLANNED ENTRY INTO UNKNOWN CONCENTRATIONS OR IDLH CONDITIONS

Positive pressure, full-face piece Self-Contained Breathing Apparatus; or positive pressure, full-face piece Self-Contained Breathing Apparatus with an auxilliary positive pressure Self-Contained Breathing Apparatus.

VENTILATION

LOCAL EXHAUST: Necessary MECHANICAL (GENERAL): Necessary
SPECIAL: None OTHER: None
Please refer to ACGIH document, "Industrial Ventilation, A Manual of Recommended Practices", most recent edition, for details.

EYE PROTECTION:

Splash goggles or safety glasses. Face-shields are recommended when the operation can generate splashes, sprays or mists.

HAND PROTECTION:

Wear appropriate impervious gloves for routine industrial use. Use impervious gloves for spill response, as stated in Section 6 of this SDS (Accidental Release Measures).

NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier.

BODY PROTECTION:

Use body protection appropriate for task. Cover-all, rubber aprons, or chemical protective clothing made from impervious materials are generally acceptable, depending on the task.

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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION (CONTINUED)

WORK & HYGIENIC PRACTICES:

Provide readily accessible eye wash stations & safety showers. Wash at end of each shift & before eating, smoking or using the toilet. Remove clothing that becomes contaminated. Destroy contaminated leather articles. Launder or discard contaminated clothing.

SECTION 9. PHYSICAL & CHEMICAL PROPERTIES

APPEARANCE:	Liquid, Water-White
ODOR:	None
ODOR THRESHOLD:	Not Available
pH (Neutrality):	2.0
MELTING POINT/FREEZING POINT:	Not Available
BOILING RANGE (IBP,50%,Dry Point):	100 108 176 C / 212 227 350 F
FLASH POINT (TEST METHOD):	Not Applicable
EVAPORATION RATE (n-BUTYL ACETATE=1):	0.094
FLAMMABILITY CLASSIFICATION:	Non-Combustible
LOWER FLAMMABLE LIMIT IN AIR (% by vol):	Not Applicable
UPPER FLAMMABLE LIMIT IN AIR (% by vol):	Not Available
VAPOR PRESSURE (mm of Hg)@20 C	17.5
VAPOR DENSITY (air=1):	0.772
GRAVITY @ 68/68 F / 20/20 C:	
SPECIFIC GRAVITY (Water=1):	1.133
POUNDS/GALLON:	9.450
WATER SOLUBILITY:	Complete
PARTITION COEFFICIENT (n-Octane/Water):	Not Available
AUTO IGNITION TEMPERATURE:	Not Applicable
DECOMPOSITION TEMPERATURE:	Not Available
VOC'S (>0.44 Lbs/Sq In) :	0.0 Vol% /0.0 g/L / 0.000 Lbs/Gal
TOTAL VOC'S (TVOC)*:	0.0 Vol% /0.0 g/L / 0.000 Lbs/Gal
NONEXEMPT VOC'S (CVOC)*:	0.0 Vol% /0.0 g/L / 0.000 Lbs/Gal
HAZARDOUS AIR POLLUTANTS (HAPS):	0.0 Wt% /0.0 g/L / 0.000 Lbs/Gal
NONEXEMPT VOC PARTIAL PRESSURE (mm of Hg @ 20 C)	0.0

* Using California South Coast Air Quality Management District (SCAQMD) Rule 443.1.

SECTION 10. STABILITY & REACTIVITY

STABILITY

Stable under normal conditions (heat or contamination could cause product to become unstable).

CONDITIONS TO AVOID

Isolate from heat, & open flame.

MATERIALS TO AVOID

Isolate from dirt, cyanides, combustibles, oxidizers, reducers, alkalies.

HAZARDOUS DECOMPOSITION PRODUCTS

None.

HAZARDOUS POLYMERIZATION

Will not occur.

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SECTION 11. TOXICOLOGICAL INFORMATION

ACUTE HAZARDS

EYE & SKIN CONTACT:

Primary irritation to skin, defatting, dermatitis.
Primary irritation to eyes, redness, tearing, blurred vision.
Liquid can cause eye irritation. Wash thoroughly after handling.

INHALATION:

Anesthetic. Irritates respiratory tract. Acute overexposure can cause serious nervous system depression. Vapor harmful.

SWALLOWING:

Swallowing can cause abdominal irritation, nausea, vomiting & diarrhea.

SUBCHRONIC HAZARDS/CONDITIONS AGGRAVATED

CONDITIONS AGGRAVATED

Persons with severe skin, liver or kidney problems should avoid use.

CHRONIC HAZARDS

CANCER, REPRODUCTIVE & OTHER CHRONIC HAZARDS:

This product has no carcinogens listed by IARC, NTP, NIOSH, OSHA or ACGIH, as of this date, greater or equal to 0.1%.

IRRITANCY OF PRODUCT: This product is irritating to contaminated tissue.

SENSITIZATION TO THE PRODUCT: No component of this product is known to be a sensitizer.

MUTAGENICITY: This product is not reported to produce mutagenic effects in humans.

EMBRYOTOXICITY: This product is not reported to produce embryotoxic effects in humans.

TERATOGENICITY: This product is not reported to produce teratogenic effects in humans.

REPRODUCTIVE TOXICITY: This product is not reported to cause reproductive effects in humans.

A mutagen is a chemical which causes permanent changes to genetic material (DNA) such that the changes will propagate through generational lines. An embryotoxin is a chemical which causes damage to a developing embryo (such as: within the eight weeks of pregnancy in humans), but the damage does not propagate across generational lines. A teratogen is a chemical which causes damage to a developing fetus, but the damage does not propagate across generational lines. A reproductive toxin is any substance which interferes in any way with the reproductive process.

MAMMALIAN TOXICITY INFORMATION

No mammalian information is available on this product.

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SECTION 12. ECOLOGICAL INFORMATION

AQUATIC ANIMAL INFORMATION:

No aquatic environmental information is available on this product.

MOBILITY IN SOIL

This material is a mobile liquid.

DEGRADABILITY

This product is completely biodegradable.

ACCUMULATION

This product does not accumulate or biomagnify in the environment.

SECTION 13. DISPOSAL CONSIDERATIONS

Processing, use or contamination may change the waste management options. Recycle / dispose of observing national, regional, state, provincial and local health, safety & pollution laws. If in doubt, contact appropriate agencies.

SECTION 14. TRANSPORT INFORMATION

DOT SHIPPING NAME: UN2014, Hydrogen peroxide, aqueous solutions, 5.1, (8), PG-II
DRUM LABEL: (OXIDIZER), (CORROSIVE)
IATA / ICAO: UN2014, Hydrogen peroxide, aqueous solutions, 5.1, (8), PG-II
IMO / IMDG: UN2014, Hydrogen peroxide, aqueous solutions, 5.1, (8), PG-II
EMERGENCY RESPONSE GUIDEBOOK NUMBER: 140

SECTION 15. REGULATORY INFORMATION

EPA REGULATION:

SARA SECTION 311/312 HAZARDS: Acute Health

All components of this product are on the TSCA list.

This material contains no known products restricted under SARA Title III, Section 313 in amounts greater or equal to 1%.

INTERNATIONAL REGULATIONS

The components of this product are listed on the chemical inventories of the following countries:
Australia, Canada, China, Europe (EINECS), Japan, Korea, United Kingdom.

CANADA: WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)

D2B: Irritating to skin / eyes.



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SECTION 16. OTHER INFORMATION

HAZARD RATINGS:

HEALTH (NFPA): 2, HEALTH (HMIS): 2, FLAMMABILITY: 0, REACTIVITY: 2
(Personal Protection Rating to be supplied by user based on use conditions.)
This information is intended solely for the use of individuals
trained in the NFPA & HMIS hazard rating systems.

EMPLOYEE TRAINING

See Section 2 for Risk & Safety Statements. Employees should be made aware
of all hazards of this material (as stated in this SDS) before handling it.

Spill Prevention and Control Plan

ISCO REMEDIATION

**255 East 138th Street
Bronx, New York 10451**

Environmental Remediation and Financial Services, LLC



Pay-for-Performance Remediation Services

**Environmental Remediation and Financial Services, LLC
2150 Highway 35
Suite 250
Sea Girt, New Jersey, 08750**

September 2016

Potential Spill Volumes and Rates:

The following table summarizes potential spill volumes and rates for the treatment chemicals that will be temporarily stored at the Bronx NY Site:

<u>Potential Event</u>	<u>Material Released</u>	<u>Volume Released</u>	<u>Spill Rate</u>
Complete failure of a dilution tank	6% (maximum concentration) solution of hydrogen peroxide or ferrous sulfate	300 to 500 gallons	100 gallons per minute
Overflow of dilution tanks	6% (maximum concentration) solution of hydrogen peroxide or ferrous sulfate	50 to 100 gallons	10 gallons per minute
Complete failure of mixing vessel	<17% solution of hydrogen peroxide <50% solution of ferrous sulfate	20 to 30 gallons	instantaneous
Overflow of mixing vessel during mixing	<17% solution of hydrogen peroxide <50% solution of ferrous sulfate	1-2 gallons	1-2 gallons per event
Puncture of drum containing hydrogen peroxide	34% hydrogen peroxide	55 gallons	10 gallons per minute
Complete failure of ferrous sulfate bag	Dry pellets/granules of ferrous sulfate heptahydrate	50 lbs dry material	instantaneous
Surfacing during reagent injection	<6% (maximum concentration) solution of hydrogen peroxide or ferrous sulfate	100 gallons per point max	10 gallons per minute

SPILL PREVENTION AND CONTROL

Mixing, dilution and pumping equipment will be placed or staged within one or more secondary containment devices, capable of holding at least 110% of the entire volume of material being staged. Similar secondary containment will be provided for temporary storage of liquid treatment chemical (34% hydrogen peroxide) and dry treatment chemical (ferrous sulfate heptahydrate).

- **Drum and pallet handling requirements:** Treatment reagents will be delivered to the site by the chemical supplier in a lift-gate-equipped truck. Drums (i.e., containers) will be inspected and bungs checked for tightness prior to handling. Pallet with dry chemical will be inspected for damage or rupture. Containers will be set on the ground and moved into secondary containment devices using a drum dolly. Pallet will be set on ground and bags moved to a separate storage area. For daily operations, containers will be moved to the mixing and dilution area using a drum dolly. Prior to any handling, bungs will be checked for tightness. Bags of dry chemical will be loaded onto ERFS truck and moved to mixing and dilution area.
- **Drum storage secondary containment:** Pre-fabricated, 10 ft by 10 ft, pop-up secondary containment devices capable of accommodating approximately 25, 55-gallon drums of liquid chemical. Multiple secondary containments will be used to provide adequate storage capacity.
- **Signage:** Storage areas will be marked with appropriate NFPA signage for the materials being stored.
- **Surfacing Containment:** Any material that has been injected and then surfaces will be bermed with sand stopping runoff surface flow of material across the site. Once bermed, the material will be reabsorbed into the subsurface or collected using wet vacuums.
- **Footage of containment berms required:** Only around injection surfacing points – approximately 5 linear feet each location estimated.
- **Segregation of Incompatible Reagents:** yes no
- **Recovered liquid storage requirements:** 100 gallons maximum. Any recovered reagents will be re-used for injection at the site.
- **# Shop Vacs:** 2 / Power cord: 200 feet
- **pH meter:** Yes No
- **Reagent neutralizer:** Water

Description of where a spill would go: Spills originating from storage or mixing & dilution areas will be contained within secondary containment facilities. Spills from surfacing events are expected to infiltrate back into the ground.

Describe actions that would be taken in the event of a spill: Liquid reagents will be delivered to the site by the chemical supplier in DOT-approved plastic drums (55-gallon). Containers will be sealed at all times during handling and transportation. Only when containers are located within secondary containment will they be opened for transfer of contents. Similarly, all pumps, mixing vessels and dilution tanks will also be located within secondary containment devices. Any spills involving concentrated reagents would likely occur within the secondary containment and involve less than 10-gallons. In the event of such a spill involving 34% hydrogen peroxide, the substance will be diluted with potable water and

retrieved using wet vacuums. Diluted hydrogen peroxide would be added to dilution tanks for further dilution and used for subsurface injection.

In the event there is a spill of any dry chemical (ferrous sulfate heptahydrate) before it is mixed into solution, ERFS personnel will secure any broken or breached bags of chemical. Refer to ERFS site-specific HASP for description of PPE requirements. Spilled chemical will be swept up into plastic buckets and used to prepare treatment reagent.

Any dilute liquid reagent that enters the secondary containment will be recovered with wet vacuums for use during injection. If dilute liquid reagent is spilled outside of the secondary containment, it will be bermed with sand to prevent surface runoff and allowed to infiltrate into the subsurface or recovered using wet vacuums. If necessary, the dilute reagent can be further diluted with water. Sand will be flushed with water and left on-site.

SPILL NOTIFICATION

Contact List

Brinkerhoff – On-site project manager or technician

IF SPILL VOLUME EXCEEDS REPORTABLE QUANTITY

U.S. Coast Guard, National Response Center 800-424-8802

REPORTABLE QUANTITIES

Reagent	Reportable Quantity
Hydrogen Peroxide	Not Listed
Ferrous Sulfate Heptahydrate	Not Listed

FACILITY INSPECTIONS

Facilities	Frequency	Look For
Chemical Storage	Daily	Leaking containers, broken bags, spilled chemicals
Mixing and Dilution Tanks	Daily	Leaks, drips, loose fittings & connections,
Injection Points, monitoring points, former soil borings, and other subsurface penetrations	Continuously during injection	Surfacing issues around and in the vicinity of injection points. Pay close attention to preferential flow paths, utility corridors, or old sampling locations that might not have been abandoned properly that might surface in remote locations.
Spill Control Equipment	Daily	Adequate supply of sand bags, water, shovels, brooms. Functionality of shop vacuums.

RECORD KEEPING OF SPILLS OR RELEASES

Record Keeper: ERFS on-site Lead Technical Manager

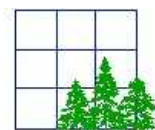
Date	Type of Incident	Cause	How it was Cleaned Up
Reagents	Volume Released	Notifications	Operating Changes Required

Date	Type of Incident	Cause	How it was Cleaned Up
Reagents	Volume Released	Notifications	Operating Changes Required

Date	Type of Incident	Cause	How it was Cleaned Up
Reagents	Volume Released	Notifications	Operating Changes Required

EMPLOYEE TRAINING

ERFS Training Coordinator: Patrick Boska



ATTACHMENT XVII

INJECTION LOG

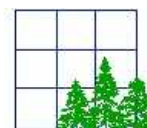


Site Name: Lettire Construction (Brinkerhoff)

Location: Bronx, NY

Point ID	Date	Start Time	Finish Time	Catalyst Gallons	Oxidizer Gallons	Notes
TP-1	10/18/2016	1139	1153	0	84	15-13'
	10/18/2016	1154	1159	36	0	15-13'
	10/18/2016	1200	1212	0	84	13-11"
	10/18/2016	1212	1217	36	0	13-11"
	10/18/2016	1218	1220	0	5	11-9'
	10/18/2016	1230	1232	0	10	11-9'
TP-2	10/18/2016	1303	1312	0	55	15-13'
	10/18/2016	1328	1334	0	15	11-9'
TP-3	10/18/2016	1403	1413	0	70	15-13'
TP-4	10/19/2016	749	822	0	160	15-13'
TP-5	10/19/2016	934	952	90	0	18-16'
	10/19/2016	1016	1025	0	55	16-14'
	10/19/2016	1037	1046	0	55	16-14'
	10/19/2016	1028	1105	0	25	16-14'
	10/19/2016	1120	1125	0	25	16-14'
TP-6	10/19/2016	1318	1325	0	15	19' (10' screen) - Gravity
TP-7	10/20/2016	735	742	0	40	18' (10' screen) - Gravity
	10/20/2016	834	838	0	15	Gravity
TP-8	10/20/2016	746	810	0	60	18' (10' screen) - Gravity
	10/20/2016	817	823	0	35	Gravity
	10/20/2016	922	938	0	75	Gravity
	10/20/2016	1008	1203	0	65	Gravity
	10/20/2016	1303	1604	0	120	Gravity
	10/20/2016	1303	1604	0	120	Gravity
TP-9	10/20/2016	851	910	0	35	18' (10' screen) - Gravity
	10/20/2016	1246	1303	0	10	Gravity
	10/20/2016	1303	1604	0	20	Gravity
TP-10	10/20/2016	1303	1604	0	10	18' (10' screen) - Gravity
TP-11	10/20/2016	1303	1604	0	15	18' (10' screen) - Gravity
TP-12	10/20/2016	1303	1604	0	5	18' (10' screen) - Gravity
TP-8	10/21/2016	741	1045	0	60	Gravity
TP-9	10/21/2016	741	1045	0	10	Gravity
TP-10	10/21/2016	741	1045	0	10	Gravity
TP-11	10/21/2016	741	1045	0	10	Gravity
TP-12	10/21/2016	741	1045	0	10	Gravity

Totals: (gallons)	
Catalyst	162
Oxidizer	1,263
Grand Total	1,425



ATTACHMENT XVIII

Ira N. Pierce, P.E.

3400 Ft. Independence Street, Suite 4F
Bronx, NY 10463
212-760-2922

July 22, 2016

TRANSMITTED VIA EMAIL ONLY dana.mecomber@dec.ny.gov

Ms. Dana Mecomber
New York State Department of Environmental Conservation (NYSDEC)
Division of Environmental Remediation
Region 2, One Hunters Point Plaza
47-40 21 Street
Long Island City, NY 11101

Re: EP-20 Sidewall Sample – Soil Investigation Letter
G&C Services Brownfield Cleanup Program Site
BCP Site No. C203057, 255 East 138th Street
Block 2333, Lot 1, Bronx, New York
Brinkerhoff Project No. 10BR188

Dear Ms. Mecomber:

On June 28th, 2016, the New York City Department of Buildings (NYCDOB) partially rescinded the stop work order at the site, as per the NYCDOB-approved drawings, to allow for work to continue within the vicinity of the adjacent building located at 2557 Third Avenue (Block 2333, Lot 26). This allowed for the removal of the soil berm that was temporarily located along the southern boundary of the adjacent building in the northeast corner of the site. The soil berm was temporarily in place to structurally support the adjacent building and was utilized as a working platform for the horizontal concrete grout injections to be completed.

In response to your letter, dated March 24, 2016, and our conference call held on April 11, 2016, a Soil Investigation was performed following the removal of the soil berm and the Soil Investigation was conducted to determine the soil thickness, if any, between the existing wood lagging and the concrete that was horizontally injected beneath the adjacent building within the area of the EP-20 sidewall sample.

The investigation consisted of inserting a piece of rebar through the spaces between the wood lagging within an approximate five (5) foot radius of the EP-20 sidewall sample location. Concrete was observed directly behind the wood lagging in all areas surrounding the EP-20 sidewall sample location except for a small area (approximately four (4) by four (4) feet) to the southwest. Throughout this small area, approximately one (1) to four (4) inches of soil was observed between the wood lagging and concrete. A plan view of the investigation area is provided as **Figure 1** and a cross-section showing the areas of concrete and soil observed is provided as **Figure 2**.

The one (1) to four (4) inches of soil that was observed to the southwest of EP-20 is most likely residual soil that was left behind from the temporary soil berm that was placed along the southern boundary of the adjacent building.

Ms. Dana Meconber
NYSDEC

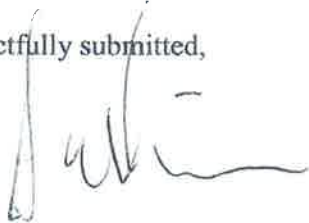
Re: EP-20 Sidewall Sample – Soil Investigation Letter
G&C Services Brownfield Cleanup Program Site
BCP Site No. C203057, 255 East 138th Street
Block 2333, Lot 1, Bronx, New York
Brinkerhoff Project No: 10BR188

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Page 2 of 2

Since concrete has been observed surrounding the entire area of the EP-20 sidewall sample location, the previously identified contamination has been completely immobilized by the concrete grout injections. Based on our calculations, the maximum amount of soil that may exist between the wood lagging and the concrete in the area to the southwest of EP-20 is less than 0.2 cubic yards. Due to the insignificant amount of soil present between the wood lagging and the concrete southwest of EP-20 and since the composite cover system (i.e. concrete slab & waterproofing/vapor barrier membrane) will be installed in this Track 4 Area, no further action is required at this time.

In regards to the western boundary of the adjacent building, lagging installation in this area commenced on July 13th, 2016. However, additional horizontal concrete grout injections are anticipated to occur in this area per the NYCDOB-approved drawings. The same procedures that were performed for investigating and addressing the southern boundary will be performed for the western boundary following the completion of the concrete grout injections. The Soil Investigation will be performed to determine the soil thickness between the wood lagging and the concrete along the western boundary of the adjacent building.

Respectfully submitted,

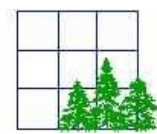


Ira N. Pierce, P.E.
NYS Professional Engineer No: 42745

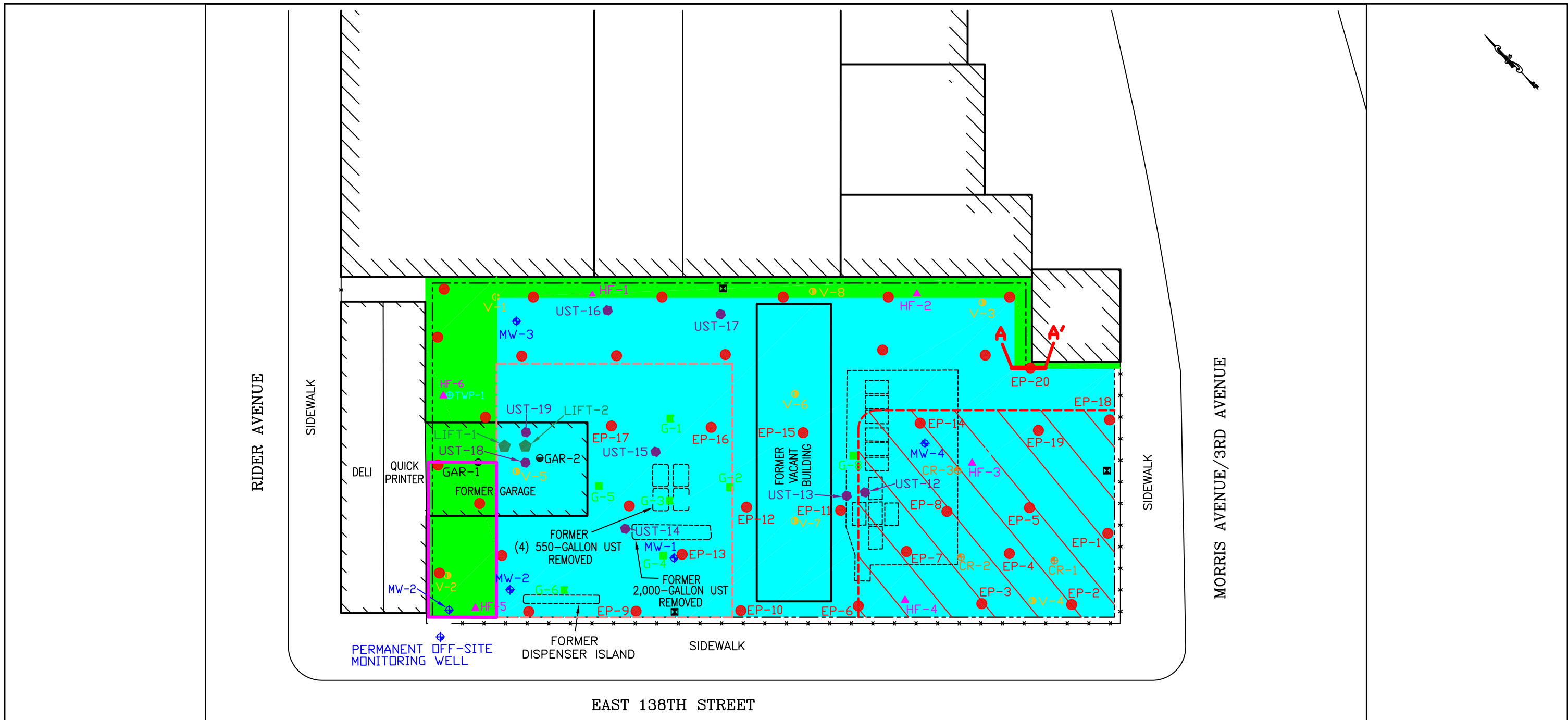


cc: John Checchio, Sean Harrison, Roger Pine,
Matt Gross and Linda R. Shaw, Esq., via email only

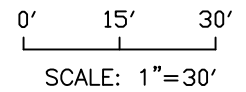
Enclosures: Two (2) Figures



Figures



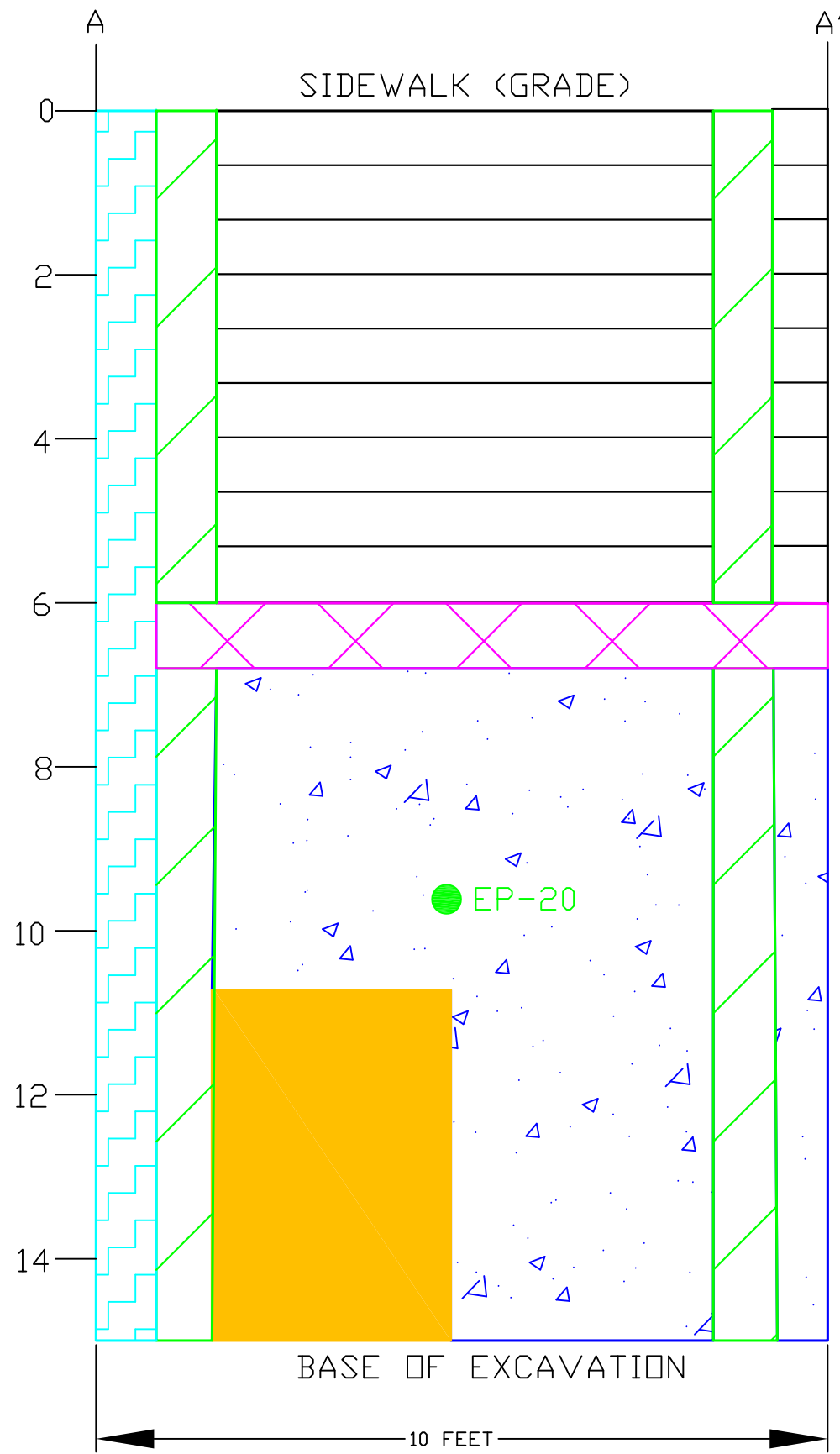
LEGEND	
---	PROPERTY BOUNDARY
⊕	MONITORING WELL LOCATION
MW-1	
■	SOIL BORING SAMPLE LOCATION
G-1	
▲	SOIL BORING SAMPLE LOCATION
HF-1	
●	SOIL BORING SAMPLE LOCATION
KFC-1	
⊖	SOIL BORING SAMPLE LOCATION
GAR-1	
⊕	TEMPORARY WELL POINT LOCATION
TWP-3	
○	VAPOR SAMPLE LOCATION
V-2	
⊙	CHROMIUM END-POINT SAMPLE LOCATION
CR-1	
□	CHEMICAL INJECTION TREATMENT AREA EXTENT
●	END-POINT SAMPLE LOCATION
EP-1	
⬆	HYDRAULIC LIFT SAMPLE LOCATION
LIFT-1	
⬆	UNDERGROUND STORAGE TANK SAMPLE LOCATION
UST-12	
▨	TRACK 1 REMEDIAL AREA
▨	APPROXIMATE EXTENT OF DRC APPLICATION
▨	TRACK 2 REMEDIAL AREA
▨	TRACK 4 REMEDIAL AREA
●	PROPOSED END-POINT SAMPLE LOCATION
⊠	PROPOSED AIR MONITORING LOCATION
⊕	PROPOSED MONITORING WELL LOCATION









BRINKERHOFF
ENVIRONMENTAL SERVICES, INC.

FIGURE 1 - EP-20 SIDEWALL CROSS-SECTION
A-A' PLAN VIEW
255 EAST 138TH STREET
BLOCK 2333, LOT 1
BRONX, NEW YORK

DATE: 7/19/16	JOB NO.: 10BR188	SCALE: 1" = 30'
---------------	------------------	-----------------



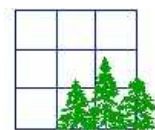
LEGEND

-  - SOLDIER PILE LOCATION
-  - WALER LOCATION
-  - CONCRETE WAS OBSERVED BEHIND THE INSTALLED LAGGING IN THIS AREA.
-  - APPROXIMATELY ~1-4" OF SOIL WAS OBSERVED BETWEEN THE LAGGING AND CONCRETE.
-  - AREA OF LAGGING AND NON-IMPACTED SOIL
-  - EDGE OF SOUTHERN BOUNDARY SIDEWALL (NO SOIL EXISTS)

NOTES:

1. THIS INVESTIGATION EVALUATED THE SIDEWALL WITHIN A ~5' RADIUS OF EP-20. THE AREA WAS EVALUATED BY INSERTING A PIECE OF REBAR BETWEEN THE LAGGING TO DETERMINE THE AMOUNT OF SOIL BETWEEN THE LAGGING AND THE CONCRETE.
2. THE SOIL OBSERVED BETWEEN THE LAGGING AND THE CONCRETE IS MOST LIKELY THE RESULT OF THE SOIL BERM THAT WAS PLACED IN FRONT OF THE LAGGING IN ORDER TO HORIZONTALLY INJECT THE GROUT BENEATH THE ADJACENT BUILDING.
3. BGS = BELOW SIDEWALK-GRADE SURFACE
4. OBSERVATION DEPTHS AND AREAS ARE APPROXIMATE.

FIGURE 2 - EP-20 SIDEWALL CROSS-SECTION
 A-A' DETAIL MAP
 255 EAST 138TH STREET
 BLOCK 2333, LOT 1
 BRONX, NEW YORK



ATTACHMENT XIX

DATA USABILITY SUMMARY REPORT (DUSR)

**Former G & C Services
255 East 138th Street
Block 2333, Lot 1
Bronx, Bronx County, NY
NYSDEC BCP # C203057**

SDG: 1501878

5 Soil Samples

Prepared for:

**Brinkerhoff Environmental Services, Inc.
1805 Atlantic Avenue
Manasquan, NJ 08736**

December 2015



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4.0 GUIDANCE DOCUMENTS AND DATA REVIEW CRITERIA	2
5.0 DATA VALIDATION QUALIFIERS	3
6.0 RESULTS OF THE DATA REVIEW	4
7.0 TOTAL USABLE DATA	4
<hr/>	
APPENDIX A	Validated Analytical Results
APPENDIX B	Laboratory QC Documentation
APPENDIX C	Validator Qualifications

Tables

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Table 4-2	Quality Control Criteria for Validating Laboratory Analytical Data

Summaries of Validated Results

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Table 6-2	SVOCs
Table 6-3	Pesticides
Table 6-4	PCBs
Table 6-5	Metals
Table 6-6	Total Cyanide

REVIEWER'S NARRATIVE
SDG 1501878

The data associated with this Sample Delivery Group (SDG) 1501878, analyzed by Accredited Analytical Resources, LLC, Carteret, NJ have been reviewed in accordance with assessment criteria provided by the New York State Department of Environmental Conservation following the review procedures provided in the USEPA Functional Guidelines for evaluating organic and inorganic data.

All analytical results reported by the laboratory are considered valid and acceptable except results that have been qualified as rejected, "R". Results qualified as estimated "J", or as non-detects, "U", are considered usable for the purpose of evaluating water and/or soil quality. However, these qualifiers indicate that the accuracy and/or precision of the analytical result is questionable. A summary of all data that have been qualified and the reasons for qualification are provided in the following data usability summary report (DUSR).

Two facts should be noted by all data users. First, the "R" qualifier means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the analyte is present or not. Values qualified with an "R" should not appear on the final data tables because they cannot be relied upon, even as the last resort. Second, no analyte concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error.

Reviewer's Signature: Michael K. Perry Date: 12/12/15
Michael K. Perry
Chemist

1.0 SUMMARY

SITE:	255 East 138 th Street. Bronx , NY
SAMPLING DATE:	October 19, 2015
SAMPLE TYPE:	5 soil samples
LABORATORY:	Accredited Analytical Resources, LLC. Carteret, NJ
SDG No.:	1501878

2.0 INTRODUCTION

This data usability summary report (DUSR) was prepared in accordance with guidance provided by the New York State Department of Environmental Conservation (NYSDEC). The DUSR is based on a review and evaluation of the laboratory analytical data package. Specifically, the NYSDEC guidance recommends review and evaluation of the following elements of the data package:

- Completeness of the data package as defined under the requirements of the NYSDEC Analytical Services Protocols (ASP) Category B or the United States Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) deliverables,
- Compliance with established analyte holding times,
- Adherence to quality control (QC) limits and specifications for blanks, instrument tuning and calibration, surrogate recoveries, spike recoveries, laboratory duplicate analyses, and other QC criteria,
- Adherence to established analytical protocols,
- Conformance of data summary sheets with raw analytical data, and
- Use of correct data qualifiers.

Data deficiencies, analytical protocol deviations, and quality control problems identified using the review criteria above and their effect on the analytical results are discussed in this report.

3.0 SAMPLE AND ANALYSIS SUMMARY

The data package consists of analytical results for five soil samples collected on October 19, 2015. These samples were analyzed for volatile organic compounds, semi-volatile organic compounds, pesticides, polychlorinated biphenyls (PCBs), TAL metals, and total cyanide.

All laboratory analyses were performed by Accredited Analytical Resources, LLC., Carteret, NJ and analyzed as SDG 1501878. The analytical results were provided in NYSDEC ASP Category B format, which includes all raw analytical data and laboratory QC data.

4.0 GUIDANCE DOCUMENTS AND DATA REVIEW CRITERIA

The guidance documents used for reviewing laboratory quality control (QC) data and assigning data qualifiers (flags) to analytical results are listed in Table 4-1. The QC limits established in the documents applicable to this data review were used to assess the quality of the analytical results. In some cases, however, QC limits established internally by the laboratory were taken into account to determine data quality.

The QC criteria considered for assessing the usability of the reported analytical results provided for each analyte type (i.e. VOCs, SVOCs, metals, etc.) are listed in Table 4-2. These criteria may vary with the analytical method utilized by the laboratory. These criteria comply with the guidance recommended in Section 2.0 above.

5.0 DATA VALIDATION QUALIFIERS

The letter qualifiers (flags) used to define data usability are described briefly below. These letters are assigned by the data validator to analytical results having questionable accuracy and/or precision as determined by reviewing the laboratory QC data associated with the analytical results.

TABLE 4-1**DATA VALIDATION GUIDANCE DOCUMENTS**

Analyte Type	Validation Guidance
VOCs	USEPA, 2008, Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry; SW-846 Method 8260B; SOP # HW-24, Rev. 2. USEPA, 2008, Statement of Work for Organic Analysis of Low/Medium Concentration of Volatile Organic Compounds SOM01.2; SOP HW-33, Rev. 2.
SVOCs	USEPA, 2007, Statement of Work for Organic Analysis of Low/Medium Concentration of Semivolatile Organic Compounds SOM01.2; SOP HW-35, Rev. 1.
Pesticides/PCBs	USEPA, 2006, CLP Organics Data Review and Preliminary Review (CLP/SOW OLMO 4.3); SOP # HW-6, Rev. 14, Part C.
Metals	USEPA, 2006, Validation of Metals for the Contract Laboratory Program (CLP) based on SOW ILMO 5.3 (SOP Revision 13), SOP # HW-2, Rev. 13.
Gen Chemistry	NYSDEC, 2005, Analytical Services Protocols (ASP)
VOCs (Ambient air)	USEPA, 2006, Validating Air Samples, Volatile Organic Analysis of Ambient Air in Canister by Method TO-15; SOP # HW-31, Rev. 4.

TABLE 4-2

**QUALITY CONTROL CRITERIA USED FOR VALIDATING
LABORATORY ANALYTICAL DATA**

VOCs	SVOCs	Pesticides/PCBs	Metals	Gen Chemistry	Method TO-15
Completeness of Pkg Sample Condition Holding Time System Monitoring Compounds Lab Control Sample Matrix Spikes Blanks Instrument Tuning Internal Standards Initial Calibration Continuing Calibration Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Time Surrogate Recoveries Lab Control Sample Matrix Spikes Blanks Instrument Tuning Internal Standards Initial Calibration Continuing Calibration Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Time Surrogate Recoveries Matrix Spikes Blanks Instrument Calibration & Verification Analyte ID Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Time Initial/Continuing Calibration CRDL Standards Blanks Interference Check Sample Spike Recoveries Lab Duplicate Lab Control Sample ICP Serial Dilutions Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Times Calibration Lab Control Samples Blanks Spike Recoveries Lab Duplicates	Completeness of Pkg Sample Condition Holding Time Canister Certification Lab Control Sample Instrument Tuning Blanks Initial Calibration & System Performance Daily Calibration Field Duplicate

The laboratory may also use various letters and symbols to flag analytical results generated when QC limits were exceeded. The meanings of these flags may differ from those used by the independent data validator. Those used by the laboratory are provided with the analytical results.

NOTE: The assignment of data qualifiers by the data reviewer (validator) to laboratory analytical results should not necessarily be interpreted by the data user as a measure of laboratory ability or proficiency. Rather, the qualifiers are intended to provide a measure of data accuracy and precision to the data user, which, for example, may provide a level of confidence in determining whether or not standards or cleanup objectives have been met.

- U** The analyte was analyzed for but was not detected at or above the sample quantitation limit.
- J** The analyte was positively identified; the associated numerical value is the *approximate* concentration of the analyte in the sample. (The magnitude of any \pm value associated with the result is not determined by data validation).
- UJ** The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is *approximate* and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R** The sample result is rejected (i.e., is unusable) due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
- N** The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
- JN** The analyte is considered to be "presumptively present." The associated numerical value represents its *approximate* concentration.

The validated analytical results are attached to this report. Validation qualifiers (flags) are indicated using red ink. Data sheets having qualified data are signed and dated by the data reviewer.

6.0 RESULTS OF THE DATA REVIEW

The results of the data review are summarized in Tables 6-1 through 6-6. The tables list the samples where QC criteria were found to exceed acceptable limits and the actions taken to qualify the associated analytical results.

7.0 TOTAL USABLE DATA

For SDG 1501878, five samples were analyzed and results were reported for 940 analytes. Eighteen results were rejected. Even though some results were flagged with a "J" as estimated, all other results (98 %) are considered usable. See the summary table for the analyses that have been rejected and the associated QC reasons.

Table 6-1 VOCs

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
All samples	Several compounds	none	MS/MSD > QC limit	Matrix interference suspected/LCS within QC limits
All samples	Methylene Chloride	J detects	LCS > QC limit	Detected results are estimated
All samples	Acetone Methylene Chloride	B	Method Blank contamination	Sample results up to 10X blank level have been flagged with a "B". Common lab contaminants.
EP-1(1501878-01)	All analytes	J detects/UJ non-detects	IS#1,2,3, and 4 <50 % QC limit	All results are estimated.
EP-2(1501878-02) EP-3(1501878-03) EP-4(1501878-04)	Isopropylbenzene 1,1,2,2-Tetrchloroethane 1,2,3-Trichloropropane n-Propylbenzene Bromobenzene 1,3,5-Trimethylbenzene 2-Chlorotoluene 4-Chlorotoluene tert-Butylbenzene 1,2,4-Trimethylbenzene sec-Butylbenzene p-Isopropylbenzene 1,2,4-Trichlorobenzene 1,2-Dibromo-3-chloropropane 1,2-Dichlorobenzene 1,3-Dichlorobenzene	J detects/UJ non-detects	IS# 4 <50 % QC limit	Results are estimated.

	1,4-Dichlorobenzene Naphthalene n-Butylbenzene Hexachlorobutadiene			
EP-5(1501878-05)	All analytes listed above plus: 2-Hexanone 1,3-Dichloropropane Tetrachloroethene Dibromochloromethane Ethylbenzene Chlorobenzene 1,1,1,2-Tetrachloroethane m,p-Xylene o-Xylene Styrene Bromoform	J detects/UJ non-detects	IS# 3 and 4 <50 % QC limit	Results are estimated.

Table 6-2 SVOCs

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
All samples	Several compounds	none	MS/MSD > QC limit	Matrix interference suspected/LCS within QC limits
All samples	Several compounds	none	MS/MSD < QC limit	Matrix interference suspected/LCS within QC limits
All samples	4-Chloroaniline	"UJ"	LCS < QC limit	All samples non-detect

All samples	2,4-Dinitrophenol	J detects	ICV > 40 %	All samples non-detect
All samples	2,4-Dinitrophenol	J detects	CCV > 40 %	All samples non-detect
EP-1(1501878-01) EP-1(1501878-01RE)	Benzo(a)anthracene bis(2-ethylhexyl)phthalate Butyl benzyl phthalate Chrysene 3,3'-Dichlorobenzidine Pyrene Di-n-octyl phthalate Indeneo(1,2,3-cd)pyrene Benzo(b)fluoranthene Benzo(k)fluorene Benzo(g,h,i)perylene Benzo(a)pyrene Dibenz(a,h)anthracene	Non-detects "R"	Internal Standard areas for: Chrysene-d12 and Perlene- d12 < 50 %	Thirteen compounds have been rejected.

Table 6-3 Pesticides

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
All samples	Several compounds	none	MS/MSD > QC limit	Matrix interference suspected/LCS within QC limits
All samples	Methoxychlor	none	MS/MSD < QC limit	Matrix interference suspected/LCS within QC limits

All samples	Endrin Ketone	none	LCS > QC limit	All samples non-detect
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Table 6-4 PCBs

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

Table 6-5 TAL Metals

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
All samples	Potassium	R all data	% Recovery > 200 %	Five results are rejected.
All samples	Manganese	J detects/UJ non-detects	% Recovery < QC limit	All results are estimated.

Table 6-6 Total Cyanide

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

ACRONYMS

CCAL	Continuing Calibration
CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification
CRDL	Contract Required Detection Limit
CRQL	Contract Required Quantitation Limit
%D	Percent Difference
ICAL	Initial Calibration
ICB	Initial Calibration Blank
IS	Internal Standard
LCS	Laboratory Control Sample
MS/MSD	Matrix Spike/Matrix Spike Duplicate
QA	Quality Assurance
QC	Quality Control
%R	Percent recovery
RPD	Relative Percent Difference
%RSD	Percent Relative Standard Deviation
TAL	Target Analyte List (metals)
TCL	Target Compound List (organics)

.....

Appendix A

*Validated
Analytical
Results*



Accredited Analytical Resources, LLC.

03 November 2015

AAR Work Order: 1501878

Doug Harm

BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.

Manasquan, NJ 08736

Project: 138th Street, Bronx, NY; 10BR188

Enclosed are the results of analyses for samples received by the laboratory on 10/20/2015 15:15. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Daniel Miguel

Technical Director

New Jersey Certification Number: 12007
New York Certification Number: 11109
Pennsylvania Certification Number: 66-02799

This report shall not be reproduced, except in its entirety, without the written consent of Accredited Analytical Resources, LLC.
The test results included in this report relate only to the samples analyzed.

Accredited Analytical Resources, LLC.
 20 PERSHING AVE, CARTERET, NJ 07008
 Tel. 732-969-6112 FAX 732-541-1383
 WEB: WWW.ACCREDITEDANALYTICAL.COM

CHAIN OF CUSTODY FORM

CLIENT NAME: Brinkerhoff Environmental Services
 ADDRESS: 1805 Atlantic Avenue
 CITY: Manasquan
 STATE: NJ ZIP: 08736

STATE AGENCY (CIRCLE ONE): NJ (NY) PA
 PROJECT NAME: 138th St, Bronx, NY, JOB 188
 CONTACT: Doug Harm
 OFFICE PHONE #: 732-223-2225
 OFFICE FAX #: 732-223-3666
 INITIAL RESULTS TO: Doug Harm
 EMAIL FOR INVOICE: diharm@brnk.env

AAR QUOTE # _____
 AAR WORK ORDER # 1501878
 P.O. # _____

ANALYSIS

COLLECTION INFORMATION

CUSTOMER SAMPLE # / ID	DATE / TIME SAMPLED	MATRIX CODE	DEPTH (ft)	# OF CONTAINERS	GRAB (G) COMP (G)	TAL	FULL	TCH	FULL	AAR SAMPLE #
EP-1	10/19/15 10:15 - 11:30	S	4	4	G	✓	✓			-01
EP-2	10/19/15 10:20 - 11:35	S	4	4	G	✓	✓			-02
EP-3	10/19/15 10:27 - 11:40	S	4	4	G	✓	✓			-03
EP-4	10/19/15 10:35 - 11:45	S	4	4	G	✓	✓			-04
EP-5	10/19/15 10:40 - 11:50	S	4	4	G	✓	✓			-05

MATRIX CODES: S = SOIL A = AQUEOUS GW = GROUND WATER WW = WASTE WATER SW = SURFACE WATER P = POTABLE WATER O = OIL K = SOLID X = OTHER

CONTAINER TYPE CODES: G = GLASS P = PLASTIC E = ENCORE PRESERVATIVES CODES: 1 = HCL 2 = HNO₃ 3 = H₂SO₄ 4 = NaOH 5 = OTHER

TURNAROUND TIME (CIRCLE ONE): STANDARD 5 DAY 72 HRS. 48 HRS. 24 HRS. OTHER _____
 (IF BLANK STANDARD WILL APPLY)

REPORT TYPE: RESULTS ONLY _____ REDUCED _____ FULL X EDD _____ EXCEL SPREADSHEET _____

COMMENTS: Send invoice to Brinkerhoff; NYSDDEC Category B data deliverable
 COOLER TEMP: 40C

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: Monica Norton SIGN: Monica Norton

SIGN BELOW WHEN DELIVERING SAMPLES; EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY, CUSTODY MUST BE DOCUMENTED.

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Print Name: <u>Monica Norton</u> Signature: <u>Monica Norton</u> Agent of: _____ Date Received: <u>10/20/15</u> Time: <u>10:10</u>	Print Name: <u>John Inacio</u> Signature: <u>John Inacio</u> Agent of: <u>AAR</u>	Print Name: <u>John Inacio</u> Signature: <u>John Inacio</u> Agent of: <u>AAR</u>	Print Name: <u>R. MUNDIZ</u> Signature: <u>R. MUNDIZ</u> Agent of: <u>AAR</u> Date Received: <u>10/20/15</u> Time: <u>15:15</u>
Print Name: _____ Signature: _____ Agent of: _____ Date Received: / / Time: / /	Print Name: _____ Signature: _____ Agent of: _____	Print Name: _____ Signature: _____ Agent of: _____	Print Name: _____ Signature: _____ Agent of: _____ Date Received: / / Time: / /

Bernie O'Gara

From: "Monica Norton" <mnorton@brinkenv.com>
To: "Bernie O'Gara" <bernie@accreditedanalytical.com>
Cc: "Sean Harrison" <sharrison@brinkenv.com>
Sent: Wednesday, October 21, 2015 3:55 PM
Subject: Chain of Custody Revision - 255 E. 138th Street - 10BR188

Bernie,

For the COC that was submitted yesterday, October 20th, 2015 for the project located at 255 East 138th Street, Bronx, NY (Name: 10BR188), please change the sample time for each EP sample to be the second time (i.e. EP-1 sampled at 11:30, EP-2 sampled at 11:35, EP-3 sampled at 11:40, etc...).

Please let me know if you have any other questions.

Thanks!

Monica

Monica Norton
mnorton@brinkenv.com



1805 Atlantic Avenue
Manasquan, NJ 08736
Phone: 732-223-2225
Fax: 732-223-3666
Web: www.BrinkEnv.com



Case Narrative

Conformance / Non-Conformance Summary

Accredited Analytical Resources, LLC received 5 sample(s) from BRINKERHOFF ENVIRONMENTAL (Project: 138th Street, Bronx, NY; 10BR188) on 10/20/2015 3:15:00 PM.

All analyses were performed within the required holding time.

In the Volatile Organic analyses, the laboratory control sample (LCS) and/or laboratory control sample duplicate (LCSD) for Batch B5J2622 and B5J2718 recovered outside control limits for certain analytes. These analytes were recovered outside DKQP limits, but within the house limits; therefore, the data has been reported.

In the Volatile Organic analyses, the MS/MSD for Batch B5J2622 and B5J2718 had compounds recovered outside acceptance criteria due to matrix interference, the LCS's were recovered within acceptance limits; therefore, no further action required.

In the Volatile Organic analyses, the methylene chloride result reported for all samples is due to laboratory contamination.

In the BNA analyses, the laboratory control sample (LCS) and/or laboratory control sample duplicate (LCSD) for Batch B5J2601 recovered outside control limits for certain analytes. These analytes were recovered outside DKQP limits, but within the house limits; therefore, the data has been reported.

In the BNA analyses, the MS/MSD for Batch B5J2601 had compounds recovered outside acceptance criteria due to matrix interference, the LCS was recovered within acceptance limits; therefore, no further action required.

In the Pesticide/PCB analyses, the laboratory control sample (LCS) and/or laboratory control sample duplicate (LCSD) for Batch B5J2301 recovered outside control limits for certain analytes. These analytes were recovered outside DKQP limits, but within the house limits; therefore, the data has been reported.

In the Pesticide/PCB analyses, the MS/MSD for Batch B5J2301 had compounds recovered outside acceptance criteria due to matrix interference, the LCS was recovered within acceptance limits; therefore, no further action required.

In the Metals analysis the recoveries of the MS/MSD were outside of acceptance criteria. The QC sample had concentrations too high to be able to determine a spike recovery. The LCS was within acceptance criteria for those metals out in the MS/MSD. The results are included in this data package.

Except for the parameters tested AAR makes no representation as to the fitness or quality of the sample (s) taken.

"The laboratory has reviewed the quality assurance and quality control measurements for the sample analyses.

Daniel Miguel
Technical Director



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/03/2015 15:48

Analytical Report for Samples

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EP-1	1501878-01	Soil	10/19/2015 11:30	10/20/2015 15:15
EP-2	1501878-02	Soil	10/19/2015 11:35	10/20/2015 15:15
EP-3	1501878-03	Soil	10/19/2015 11:40	10/20/2015 15:15
EP-4	1501878-04	Soil	10/19/2015 11:45	10/20/2015 15:15
EP-5	1501878-05	Soil	10/19/2015 11:50	10/20/2015 15:15

Notes and Definitions

- U Analyte included in the analysis, but not detected
- J Indicates estimated value for TICs and all results when detected below the RL
- E Concentration exceeds calibration range
- B Indicates compound found in associated blank
- ND Indicates compound analyzed for but not detected
- U Indicates compound analyzed for but not detected
- dry Sample results reported on a dry weight basis
- RL Reporting Limit
- MDL Method Detection Limit

Accredited Analytical Resources LLC

Daniel Miguel, Technical Director

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BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 106R188
Project Manager: Doug Hamm

Reported:
11/03/2015 15:48

Methodology Summary

EPA Method SW846 8081/8082:

NJ 8081A/8082
NY 8081B/8082A

Semivolatile Organic Compounds EPA Method SW846 8270:

NJ 8270C
NY 8270D

Total Mercury by SW846 7471:

NJ EPA 7471A
NY EPA 7471B

Total Metals by EPA Method SW846 6010:

NJ 6010B
NY 6010C

Volatile Organic Compounds EPA Method SW846 8260:

NJ 8260B
NY 8260C

Wet Chemistry:

Total Cyanide by EPA 9010C & EPA 9014
Percent Solids by SM 2540 G

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/03/2015 15:48

Condition of Samples on Receipt

Temperature °C	4.00
Chain of Custody Filled Out Properly	Yes
Proper Containers and Volumes	Yes
Received Within Holding Time	Yes
Samples Received with Correct Preservation	Yes
Samples Received On Ice	Yes
Sample Received Via Field Services	Yes
Samples Hand Delivered	No

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/03/2015 15:48

Client ID: EP-1

Lab ID: 1501878-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

Sample Prepared by Method: EPA 5035A

107-02-8	Acrolein	ND <i>us</i>	37.8	63.0	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
107-13-1	Acrylonitrile	ND <i>✓</i>	12.6	63.0	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
67-64-1	Acetone	637 <i>J</i>	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	B
75-71-8	Dichlorodifluoromethane	ND <i>us</i>	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
74-87-3	Chloromethane	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
75-01-4	Vinyl chloride	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
74-83-9	Bromomethane	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
75-00-3	Chloroethane	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
75-69-4	Trichlorofluoromethane	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
75-35-4	1,1-Dichloroethene	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
75-15-0	Carbon disulfide	ND <i>✓</i>	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
75-09-2	Methylene Chloride	75.1 <i>J B</i>	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	B
156-60-5	trans-1,2-Dichloroethene	ND <i>us</i>	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
75-34-3	1,1-Dichloroethane	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
108-05-4	Vinyl acetate	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
590-20-7	2,2-Dichloropropane	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
78-93-3	2-Butanone	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
156-59-4	cis-1,2-Dichloroethene	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
67-66-3	Chloroform	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
74-97-5	Bromochloromethane	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
71-55-6	1,1,1-Trichloroethane	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
563-58-6	1,1-Dichloropropene	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
56-23-5	Carbon Tetrachloride	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
107-06-2	1,2-Dichloroethane	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
71-43-2	Benzene	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
79-01-6	Trichloroethene	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
78-87-5	1,2-Dichloropropane	ND <i>✓</i>	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

MKP 12/10/15



BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/03/2015 15:48

Client ID: EP-1
Lab ID: 1501878-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
Accredited Analytical Resources LLC										
Volatile Organic Compounds EPA Method SW846 8260										
75-27-4	Bromodichloromethane	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
74-95-3	Dibromomethane	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
110-75-8	2-Chloroethyl vinyl ether	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
10061-01-5	cis-1,3-Dichloropropene	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
108-88-3	Toluene	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
10061-02-6	trans-1,3-Dichloropropene	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
79-00-5	1,1,2-Trichloroethane	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
108-10-1	4-Methyl-2-pentanone	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
106-93-4	1,2-Dibromoethane	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
591-78-6	2-Hexanone	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
142-28-9	1,3-Dichloropropane	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
127-18-4	Tetrachloroethene	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
124-48-1	Dibromochloromethane	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
100-41-4	Ethylbenzene	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
108-90-7	Chlorobenzene	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
108-38-3/106-4m,p-Xylenes		ND	12.6	25.2	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
95-47-6	o-Xylene	ND	12.6	25.2	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
100-42-5	Styrene	ND	6.30	25.2	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
75-25-2	Bromoform	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
98-82-8	Isopropylbenzene	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
96-18-4	1,2,3-Trichloropropane	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
103-65-1	n-Propyl Benzene	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
108-86-1	Bromobenzene	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
108-67-8	1,3,5-Trimethylbenzene	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
95-49-8	2-Chlorotoluene	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
106-43-4	4-Chlorotoluene	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
98-06-6	tert-Butylbenzene	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

MSP 12/11/15



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Hama

Reported:
11/03/2015 15:48

Client ID: EP-1

Lab ID: 1501878-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

95-63-6	1,2,4-Trimethylbenzene	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
135-98-8	sec-Butylbenzene	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
99-87-6	p-Isopropyltoluene	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
541-73-1	1,3-Dichlorobenzene	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
106-46-7	1,4-Dichlorobenzene	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
104-51-8	n-Butyl Benzene	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
95-50-1	1,2-Dichlorobenzene	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
120-82-1	1,2,4-Trichlorobenzene	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
87-68-3	Hexachlorobutadiene	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
87-61-6	1,2,3-Trichlorobenzene	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U

Surrogate: 1,2-Dichloroethane-d4

114 % 70-130 10/26/15 15:22 10/26/15 15:22/SG EPA 8260

Surrogate: Toluene-d8

101 % 70-130 10/26/15 15:22 10/26/15 15:22/SG EPA 8260

Surrogate: Bromofluorobenzene

76 % 70-130 10/26/15 15:22 10/26/15 15:22/SG EPA 8260

Semivolatile Organic Compounds EPA Method SW846 8270

Sample Prepared by Method: EPA 3550B GCMS

62-75-9	N-Nitrosodimethylamine	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
108-95-2	Phenol	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
111-44-4	bis(2-chloroethyl)ether	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
95-57-8	2-Chlorophenol	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
541-73-1	1,3-Dichlorobenzene	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
106-46-7	1,4-Dichlorobenzene	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
100-51-6	Benzyl alcohol	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
95-50-1	1,2-Dichlorobenzene	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
95-48-7	2-Methylphenol	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
106-44-5	3 & 4-Methylphenol	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
621-64-7	N-Nitroso-di-n-propylamine	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

mep 12/11/15



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harra

Reported:
11/03/2015 15:48

Client ID: EP-1

Lab ID: 1501878-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Accredited Analytical Resources LLC

Semi-volatile Organic Compounds EPA Method SW846 8270

67-72-1	Hexachloroethane	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
98-95-3	Nitrobenzene	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
78-59-1	Isophorone	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
88-75-5	2-Nitrophenol	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
105-67-9	2,4-Dimethylphenol	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
65-85-0	Benzoic acid	ND	186	747	ng/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
111-91-1	bis(2-chloroethoxy)methane	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
120-83-2	2,4-Dichlorophenol	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
120-82-1	1,2,4-Trichlorobenzene	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
91-20-3	Naphthalene	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
106-47-8	4-Chloroaniline	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
87-68-3	Hexachlorobutadiene	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
59-50-7	4-Chloro-3-methylphenol	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
91-57-6	2-Methylnaphthylene	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
77-47-4	Hexachlorocyclopentadiene	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
88-06-2	2,4,6-Trichlorophenol	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
95-95-4	2,4,5-Trichlorophenol	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
91-58-7	2-Chloronaphthalene	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
88-74-4	2-Nitroaniline	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
131-11-3	Dimethylphthalate	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
208-96-8	Acenaphthylene	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
99-09-2	3-Nitroaniline	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
83-32-9	Acenaphthene	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
51-28-5	2,4-Dinitrophenol	ND	74.7	747	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
100-02-7	4-Nitrophenol	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
132-64-9	Dibenzofuran	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
606-20-2	2,6-Dinitrotoluene	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
121-14-2	2,4-Dinitrotoluene	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
84-66-2	Diethyl phthalate	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U

Accredited Analytical Resources LLC

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.

Daniel Miguel, Technical Director

MJP 12/11/15



BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/03/2015 15:48

Client ID: EP-1
Lab ID: 1501878-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

7005-72-3	4-Chlorophenyl-phenylether	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
86-73-7	Fluorene	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
100-01-6	4-Nitroaniline	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
86-30-6	N-Nitrosodiphenylamine	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
101-55-3	4-Bromophenyl-phenylether	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
118-74-1	Hexachlorobenzene	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
87-86-5	Pentachlorophenol	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
85-01-8	Phenanthrene	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
120-12-7	Anthracene	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
84-74-2	Di-n-butyl phthalate	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
206-44-0	Fluoranthene	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
129-00-0	Pyrene	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
85-68-7	Butylbenzylphthalate	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
91-94-1	3,3'-Dichlorobenzidine	ND	186	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
56-55-3	Benzo[a]anthracene	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
117-81-7	bis(2-ethylhexyl)phthalate	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
218-01-9	Chrysene	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
117-84-0	Di-n-octyl phthalate	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
205-99-2	Benzo[b]fluoranthene	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
207-08-9	Benzo[k]fluoranthene	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
50-32-8	Benzo[a]pyrene	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
53-70-3	Dibenzo(a,h)anthracene	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
191-24-2	Benzo[ghi]perylene	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U

Surrogate: 2-Fluorophenol	35 %	30-130	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270
Surrogate: Phenol-d5	40 %	30-130	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270
Surrogate: Nitrobenzene-d5	33 %	30-130	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270

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Daniel Miguel, Technical Director

mca 12/11/15



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/03/2015 15:48

Client ID: EP-1

Lab ID: 1501878-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

Surrogate: 2-Fluorobiphenyl		37 %	30-130				10/26/15 06:03	10/27/15 16:46/JDM	EPA 8270	
Surrogate: 2,4,6-Tribromophenol		49 %	30-130				10/26/15 06:03	10/27/15 16:46/JDM	EPA 8270	
Surrogate: Terphenyl-d14		90 %	30-130				10/26/15 06:03	10/27/15 16:46/JDM	EPA 8270	

EPA Method SW846 8081/8082

Sample Prepared by Method: EPA 3550B

319-84-6	alpha-BHC	ND	1.48	1.48	ug/kg dry	1	10/23/15 06:21	10/23/15 15:36/JAM	EPA 8081/8082	U
319-85-7	beta-BHC	ND	1.48	1.48	ug/kg dry	1	10/23/15 06:21	10/23/15 15:36/JAM	EPA 8081/8082	U
319-86-8	delta-BHC	ND	1.48	1.48	ug/kg dry	1	10/23/15 06:21	10/23/15 15:36/JAM	EPA 8081/8082	U
58-89-9	gamma-BHC [Lindane]	ND	1.48	1.48	ug/kg dry	1	10/23/15 06:21	10/23/15 15:36/JAM	EPA 8081/8082	U
76-44-8	Heptachlor	ND	1.48	1.48	ug/kg dry	1	10/23/15 06:21	10/23/15 15:36/JAM	EPA 8081/8082	U
309-00-2	Aldrin	ND	1.48	1.48	ug/kg dry	1	10/23/15 06:21	10/23/15 15:36/JAM	EPA 8081/8082	U
1024-57-3	Heptachlor Epoxide	ND	1.48	1.48	ug/kg dry	1	10/23/15 06:21	10/23/15 15:36/JAM	EPA 8081/8082	U
959-98-8	Endosulfan I	ND	1.48	1.48	ug/kg dry	1	10/23/15 06:21	10/23/15 15:36/JAM	EPA 8081/8082	U
60-57-1	Dieldrin	ND	2.98	2.98	ug/kg dry	1	10/23/15 06:21	10/23/15 15:36/JAM	EPA 8081/8082	U
72-55-9	4,4'-DDE	ND	2.98	2.98	ug/kg dry	1	10/23/15 06:21	10/23/15 15:36/JAM	EPA 8081/8082	U
72-20-8	Endrin	ND	2.98	2.98	ug/kg dry	1	10/23/15 06:21	10/23/15 15:36/JAM	EPA 8081/8082	U
33213-65-9	Endosulfan II	ND	2.98	2.98	ug/kg dry	1	10/23/15 06:21	10/23/15 15:36/JAM	EPA 8081/8082	U
72-54-8	4,4'-DDD	ND	2.98	2.98	ug/kg dry	1	10/23/15 06:21	10/23/15 15:36/JAM	EPA 8081/8082	U
1031-07-8	Endosulfan sulfate	ND	2.98	2.98	ug/kg dry	1	10/23/15 06:21	10/23/15 15:36/JAM	EPA 8081/8082	U
50-29-3	4,4'-DDT	ND	2.98	2.98	ug/kg dry	1	10/23/15 06:21	10/23/15 15:36/JAM	EPA 8081/8082	U
72-43-5	Methoxychlor	ND	14.9	14.9	ug/kg dry	1	10/23/15 06:21	10/23/15 15:36/JAM	EPA 8081/8082	U
53494-70-5	Endrin ketone	ND	2.98	2.98	ug/kg dry	1	10/23/15 06:21	10/23/15 15:36/JAM	EPA 8081/8082	U
7421-93-4	Endrin aldehyde	ND	2.98	2.98	ug/kg dry	1	10/23/15 06:21	10/23/15 15:36/JAM	EPA 8081/8082	U
5103-71-9	alpha-Chlordane	ND	1.48	1.48	ug/kg dry	1	10/23/15 06:21	10/23/15 15:36/JAM	EPA 8081/8082	U
5566-34-7	gamma-Chlordane	ND	1.48	1.48	ug/kg dry	1	10/23/15 06:21	10/23/15 15:36/JAM	EPA 8081/8082	U
8001-35-2	Toxaphene	ND	74.7	74.7	ug/kg dry	1	10/23/15 06:21	10/23/15 15:36/JAM	EPA 8081/8082	U
12674-11-2	Aroclor-1016	ND	37.2	74.7	ug/kg dry	1	10/23/15 06:21	10/23/15 15:36/JAM	EPA 8081/8082	U
11104-28-2	Aroclor-1221	ND	37.2	74.7	ug/kg dry	1	10/23/15 06:21	10/23/15 15:36/JAM	EPA 8081/8082	U

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Daniel Miguel, Technical Director



BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harn

Reported:
11/03/2015 15:48

Client ID: EP-1
Lab ID: 1501878-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Accredited Analytical Resources LLC

EPA Method SW846 8081/8082

11141-16-5	Aroclor-1232	ND	37.2	74.7	ug/kg dry	1	10/23/15 06:21	10/23/15 15:36/JAM	EPA 8081/8082	U
53469-21-9	Aroclor-1242	ND	37.2	74.7	ug/kg dry	1	10/23/15 06:21	10/23/15 15:36/JAM	EPA 8081/8082	U
12672-29-6	Aroclor-1248	ND	37.2	74.7	ug/kg dry	1	10/23/15 06:21	10/23/15 15:36/JAM	EPA 8081/8082	U
11097-69-1	Aroclor-1254	ND	37.2	74.7	ug/kg dry	1	10/23/15 06:21	10/23/15 15:36/JAM	EPA 8081/8082	U
11096-82-5	Aroclor-1260	ND	37.2	74.7	ug/kg dry	1	10/23/15 06:21	10/23/15 15:36/JAM	EPA 8081/8082	U
37324-23-5	Aroclor-1262	ND	37.2	74.7	ug/kg dry	1	10/23/15 06:21	10/23/15 15:36/JAM	EPA 8081/8082	U
11100-14-4	Aroclor-1268	ND	37.2	74.7	ug/kg dry	1	10/23/15 06:21	10/23/15 15:36/JAM	EPA 8081/8082	U
Surrogate: Tetrachloro-m-xylene			75.5 %	30-150			10/23/15 06:21	10/23/15 15:36/JAM	EPA 8081/8082	
Surrogate: Tetrachloro-m-xylene			78.2 %	30-150			10/23/15 06:21	10/23/15 15:36/JAM	EPA 8081/8082	
Surrogate: Decachlorobiphenyl			72.1 %	30-150			10/23/15 06:21	10/23/15 15:36/JAM	EPA 8081/8082	
Surrogate: Decachlorobiphenyl			75.3 %	30-150			10/23/15 06:21	10/23/15 15:36/JAM	EPA 8081/8082	

Total Metals by EPA Method SW846 6010

Sample Prepared by Method: EPA 3050B

7429-90-5	Aluminum	7420	44.8	44.8	mg/kg dry	1	10/26/15 09:32	10/26/15 14:04/LIT	EPA 6010	
7440-36-0	Antimony	ND	8.97	8.97	mg/kg dry	1	10/26/15 09:32	10/26/15 14:04/LIT	EPA 6010	U
7440-38-2	Arsenic	2.58	2.24	2.24	mg/kg dry	1	10/26/15 09:32	10/26/15 14:04/LIT	EPA 6010	
7440-39-3	Barium	57.1	44.8	44.8	mg/kg dry	1	10/26/15 09:32	10/26/15 14:04/LIT	EPA 6010	
7440-41-7	Beryllium	ND	1.12	1.12	mg/kg dry	1	10/26/15 09:32	10/26/15 14:04/LIT	EPA 6010	U
7440-43-9	Cadmium	ND	1.12	1.12	mg/kg dry	1	10/26/15 09:32	10/26/15 14:04/LIT	EPA 6010	U
7440-70-2	Calcium	11300	56.1	56.1	mg/kg dry	1	10/26/15 09:32	10/26/15 14:04/LIT	EPA 6010	
7440-47-3	Chromium	15.6	4.48	4.48	mg/kg dry	1	10/26/15 09:32	10/26/15 14:04/LIT	EPA 6010	
7440-48-4	Cobalt	ND	11.2	11.2	mg/kg dry	1	10/26/15 09:32	10/26/15 14:04/LIT	EPA 6010	U
7440-50-8	Copper	16.2	6.73	6.73	mg/kg dry	1	10/26/15 09:32	10/26/15 14:04/LIT	EPA 6010	
7439-89-6	Iron	13300	56.1	56.1	mg/kg dry	1	10/26/15 09:32	10/26/15 14:04/LIT	EPA 6010	
7439-92-1	Lead	12.3	2.24	2.24	mg/kg dry	1	10/26/15 09:32	10/26/15 14:04/LIT	EPA 6010	
7439-95-4	Magnesium	6000	112	112	mg/kg dry	1	10/26/15 09:32	10/26/15 14:04/LIT	EPA 6010	
7439-96-5	Manganese	373 J	4.48	4.48	mg/kg dry	1	10/26/15 09:32	10/26/15 14:04/LIT	EPA 6010	

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

MMA 12/11/15



BRINKERHOFF ENVIRONMENTAL 1805 Atlantic Ave. Manasquan NJ, 08736	Project: 138th Street, Bronx, NY; 10BR188 Project Manager: Doug Harm	Reported: 11/03/2015 15:48
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Client ID: EP-1
Lab ID: 1501878-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Accredited Analytical Resources LLC

Total Metals by EPA Method SW846 6010

7440-02-0	Nickel	12.9	8.97	8.97	mg/kg dry	1	10/26/15 09:32	10/26/15 14:04/LIT	EPA 6010	
7440-09-7	Potassium	112 R	112	112	mg/kg dry	1	10/26/15 09:32	10/26/15 14:04/LIT	EPA 6010	
7782-49-2	Selenium	ND	8.97	8.97	mg/kg dry	1	10/26/15 09:32	10/26/15 14:04/LIT	EPA 6010	U
7440-22-4	Silver	ND	1.12	1.12	mg/kg dry	1	10/26/15 09:32	10/26/15 14:04/LIT	EPA 6010	U
7440-23-5	Sodium	594	112	112	mg/kg dry	1	10/26/15 09:32	10/26/15 14:04/LIT	EPA 6010	
7440-28-0	Thallium	ND	3.36	6.73	mg/kg dry	1	10/26/15 09:32	10/26/15 14:04/LIT	EPA 6010	U
7440-62-2	Vanadium	25.1	11.2	11.2	mg/kg dry	1	10/26/15 09:32	10/26/15 14:04/LIT	EPA 6010	
7440-66-6	Zinc	44.8	13.5	13.5	mg/kg dry	1	10/26/15 09:32	10/26/15 14:04/LIT	EPA 6010	

Total Mercury by SW846 7471

Sample Prepared by Method: EPA 7471A

7439-97-6	Mercury	ND	0.168	0.168	mg/kg dry	1	10/26/15 08:59	10/26/15 14:04/PRT	EPA 7471	
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Wet Chemistry

Sample Prepared by Method: EPA 9010C

NA	Cyanide (total)	ND	2.24	2.24	mg/kg dry	1	10/23/15 08:43	10/28/15 13:49/NNM	EPA 9014	
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Sample Prepared by Method: Percent Solids

NA	Percent Solids	44.6	0.100	0.100	%	1	10/22/15 09:30	10/23/15 09:45/CLD	SM 2540 G	
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Daniel Miguel, Technical Director

mmg 12/11/15



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/03/2015 15:48

Client ID: EP-2

Lab ID: 1501878-02 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

Sample Prepared by Method: EPA 5035A

107-02-8	Acrolein	ND	22.0	36.7	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
107-13-1	Acrylonitrile	ND	7.33	36.7	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
67-64-1	Acetone	17.3 B	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	B
75-71-8	Dichlorodifluoromethane	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
74-87-3	Chloromethane	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
75-01-4	Vinyl chloride	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
74-83-9	Bromomethane	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
75-00-3	Chloroethane	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
75-69-4	Trichlorofluoromethane	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
75-35-4	1,1-Dichloroethene	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
75-15-0	Carbon disulfide	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
75-09-2	Methylene Chloride	24.95 B	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	B
156-60-5	trans-1,2-Dichloroethene	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
75-34-3	1,1-Dichloroethane	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
108-05-4	Vinyl acetate	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
590-20-7	2,2-Dichloropropane	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
78-93-3	2-Butanone	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
156-59-4	cis-1,2-Dichloroethene	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
67-66-3	Chloroform	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
74-97-5	Bromochloromethane	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
71-55-6	1,1,1-Trichloroethane	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
563-58-6	1,1-Dichloropropene	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
56-23-5	Carbon Tetrachloride	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
107-06-2	1,2-Dichloroethane	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
71-43-2	Benzene	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
79-01-6	Trichloroethene	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
78-87-5	1,2-Dichloropropane	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

MKP 12/10/15



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/03/2015 15:48

Client ID: EP-2

Lab ID: 1501878-02 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

75-27-4	Bromodichloromethane	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
74-95-3	Dibromomethane	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
110-75-8	2-Chloroethyl vinyl ether	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
10061-01-5	cis-1,3-Dichloropropene	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
108-88-3	Toluene	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
10061-02-6	trans-1,3-Dichloropropene	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
79-00-5	1,1,2-Trichloroethane	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
108-10-1	4-Methyl-2-pentanone	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
106-93-4	1,2-Dibromoethane	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
591-78-6	2-Hexanone	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
142-28-9	1,3-Dichloropropane	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
127-18-4	Tetrachloroethene	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
124-48-1	Dibromochloromethane	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
100-41-4	Ethylbenzene	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
108-90-7	Chlorobenzene	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
108-38-3/106-4	m,p-Xylenes	ND	7.33	14.7	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
95-47-6	o-Xylene	ND	7.33	14.7	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
100-42-5	Styrene	ND	3.67	14.7	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
75-25-2	Bromoform	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
98-82-8	Isopropylbenzene	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
96-18-4	1,2,3-Trichloropropane	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
103-65-1	n-Propyl Benzene	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
108-86-1	Bromobenzene	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
108-67-8	1,3,5-Trimethylbenzene	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
95-49-8	2-Chlorotoluene	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
106-43-4	4-Chlorotoluene	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
98-06-6	tert-Butylbenzene	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U

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Daniel Miguel, Technical Director

mep 12/11/15



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/03/2015 15:48

Client ID: EP-2

Lab ID: 1501878-02 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Volatile Organic Compounds EPA Method SW846 8260

95-63-6	1,2,4-Trimethylbenzene	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
135-98-8	sec-Butylbenzene	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
99-87-6	p-Isopropyltoluene	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
541-73-1	1,3-Dichlorobenzene	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
106-46-7	1,4-Dichlorobenzene	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
104-51-8	n-Butyl Benzene	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
95-50-1	1,2-Dichlorobenzene	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
120-82-1	1,2,4-Trichlorobenzene	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
87-68-3	Hexachlorobutadiene	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
87-61-6	1,2,3-Trichlorobenzene	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U

Surrogate: 1,2-Dichloroethane-d4

115 % 70-130 10/26/15 15:52 10/26/15 15:52/SG EPA 8260

Surrogate: Toluene-d8

101 % 70-130 10/26/15 15:52 10/26/15 15:52/SG EPA 8260

Surrogate: Bromofluorobenzene

81 % 70-130 10/26/15 15:52 10/26/15 15:52/SG EPA 8260

Semivolatile Organic Compounds EPA Method SW846 8270

Sample Prepared by Method: EPA 3550B GCMS

62-75-9	N-Nitrosodimethylamine	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
108-95-2	Phenol	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
111-44-4	bis(2-chloroethyl)ether	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
95-57-8	2-Chlorophenol	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
541-73-1	1,3-Dichlorobenzene	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
106-46-7	1,4-Dichlorobenzene	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
100-51-6	Benzyl alcohol	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
95-50-1	1,2-Dichlorobenzene	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
95-48-7	2-Methylphenol	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
106-44-5	3 & 4-Methylphenol	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
621-64-7	N-Nitroso-di-n-propylamine	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

MMP 12/11/15



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harn

Reported:
11/03/2015 15:48

Client ID: EP-2

Lab ID: 1501878-02 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Semivolatile Organic Compounds EPA Method SW846 8270

67-72-1	Hexachloroethane	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
98-95-3	Nitrobenzene	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
78-59-1	Isophorone	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
88-75-5	2-Nitrophenol	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
105-67-9	2,4-Dimethylphenol	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
65-85-0	Benzoic acid	ND	134	537	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
111-91-1	bis(2-chloroethoxy)methane	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
120-83-2	2,4-Dichlorophenol	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
120-82-1	1,2,4-Trichlorobenzene	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
91-20-3	Naphthalene	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
106-47-8	4-Chloroaniline	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
87-68-3	Hexachlorobutadiene	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
59-50-7	4-Chloro-3-methylphenol	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
91-57-6	2-Methylnaphthylene	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
77-47-4	Hexachlorocyclopentadiene	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
88-06-2	2,4,6-Trichlorophenol	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
95-95-4	2,4,5-Trichlorophenol	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
91-58-7	2-Chloronaphthalene	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
88-74-4	2-Nitroaniline	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
131-11-3	Dimethylphthalate	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
208-96-8	Acenaphthylene	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
99-09-2	3-Nitroaniline	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
83-32-9	Acenaphthene	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
51-28-5	2,4-Dinitrophenol	ND	53.7	537	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
100-02-7	4-Nitrophenol	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
132-64-9	Dibenzofuran	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
606-20-2	2,6-Dinitrotoluene	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
121-14-2	2,4-Dinitrotoluene	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
84-66-2	Diethyl phthalate	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U

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Daniel Miguel, Technical Director

MMH 12/1/15



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harn

Reported:
11/03/2015 15:48

Client ID: EP-2

Lab ID: 1501878-02 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Semivolatile Organic Compounds EPA Method SW846 8270

7005-72-3	4-Chlorophenyl-phenylether	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
86-73-7	Fluorene	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
100-01-6	4-Nitroaniline	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	53.7	269	ng/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
86-30-6	N-Nitrosodiphenylamine	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
101-55-3	4-Bromophenyl-phenylether	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
118-74-1	Hexachlorobenzene	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
87-86-5	Pentachlorophenol	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
85-01-8	Phenanthrene	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
120-12-7	Anthracene	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
84-74-2	Di-n-butyl phthalate	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
206-44-0	Fluoranthene	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
129-00-0	Pyrene	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
85-68-7	Butylbenzylphthalate	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
91-94-1	3,3'-Dichlorobenzidine	ND	134	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
56-55-3	Benzo[a]anthracene	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
117-81-7	bis(2-ethylhexyl)phthalate	65.1	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	J
218-01-9	Chrysene	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
117-84-0	Di-n-octyl phthalate	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
205-99-2	Benzo[b]fluoranthene	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
207-08-9	Benzo[k]fluoranthene	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
50-32-8	Benzo[a]pyrene	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
53-70-3	Dibenzo(a,h)anthracene	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
191-24-2	Benzo[ghi]perylene	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U

Surrogate: 2-Fluorophenol

68 % 30-130 10/26/15 06:03 10/28/15 15:28/JMM EPA 8270

Surrogate: Phenol-d5

74 % 30-130 10/26/15 06:03 10/28/15 15:28/JMM EPA 8270

Surrogate: Nitrobenzene-d5

62 % 30-130 10/26/15 06:03 10/28/15 15:28/JMM EPA 8270

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Daniel Miguel, Technical Director



BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/03/2015 15:48

Client ID: EP-2
Lab ID: 1501878-02 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Accredited Analytical Resources LLC

Semi-volatile Organic Compounds EPA Method SW846 8270

Surrogate: 2-Fluorobiphenyl		67 %	30-130				10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	
Surrogate: 2,4,6-Tribromophenol		101 %	30-130				10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	
Surrogate: Terphenyl-d14		113 %	30-130				10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	

EPA Method SW846 8081/8082

Sample Prepared by Method: EPA 3550B

319-84-6	alpha-BHC	ND	1.06	1.06	ug/kg dry	1	10/23/15 06:21	10/23/15 16:07/JAM	EPA 8081/8082	U
319-85-7	beta-BHC	ND	1.06	1.06	ug/kg dry	1	10/23/15 06:21	10/23/15 16:07/JAM	EPA 8081/8082	U
319-86-8	delta-BHC	ND	1.06	1.06	ug/kg dry	1	10/23/15 06:21	10/23/15 16:07/JAM	EPA 8081/8082	U
58-89-9	gamma-BHC [Lindane]	ND	1.06	1.06	ug/kg dry	1	10/23/15 06:21	10/23/15 16:07/JAM	EPA 8081/8082	U
76-44-8	Heptachlor	ND	1.06	1.06	ug/kg dry	1	10/23/15 06:21	10/23/15 16:07/JAM	EPA 8081/8082	U
309-00-2	Aldrin	ND	1.06	1.06	ug/kg dry	1	10/23/15 06:21	10/23/15 16:07/JAM	EPA 8081/8082	U
1024-57-3	Heptachlor Epoxide	ND	1.06	1.06	ug/kg dry	1	10/23/15 06:21	10/23/15 16:07/JAM	EPA 8081/8082	U
959-98-8	Endosulfan I	ND	1.06	1.06	ug/kg dry	1	10/23/15 06:21	10/23/15 16:07/JAM	EPA 8081/8082	U
60-57-1	Dieldrin	ND	2.15	2.15	ug/kg dry	1	10/23/15 06:21	10/23/15 16:07/JAM	EPA 8081/8082	U
72-55-9	4,4'-DDE	ND	2.15	2.15	ug/kg dry	1	10/23/15 06:21	10/23/15 16:07/JAM	EPA 8081/8082	U
72-20-8	Endrin	ND	2.15	2.15	ug/kg dry	1	10/23/15 06:21	10/23/15 16:07/JAM	EPA 8081/8082	U
33213-65-9	Endosulfan II	ND	2.15	2.15	ug/kg dry	1	10/23/15 06:21	10/23/15 16:07/JAM	EPA 8081/8082	U
72-54-8	4,4'-DDD	ND	2.15	2.15	ug/kg dry	1	10/23/15 06:21	10/23/15 16:07/JAM	EPA 8081/8082	U
1031-07-8	Endosulfan sulfate	ND	2.15	2.15	ug/kg dry	1	10/23/15 06:21	10/23/15 16:07/JAM	EPA 8081/8082	U
50-29-3	4,4'-DDT	ND	2.15	2.15	ug/kg dry	1	10/23/15 06:21	10/23/15 16:07/JAM	EPA 8081/8082	U
72-43-5	Methoxychlor	ND	10.7	10.7	ug/kg dry	1	10/23/15 06:21	10/23/15 16:07/JAM	EPA 8081/8082	U
53494-70-5	Endrin ketone	ND	2.15	2.15	ug/kg dry	1	10/23/15 06:21	10/23/15 16:07/JAM	EPA 8081/8082	U
7421-93-4	Endrin aldehyde	ND	2.15	2.15	ug/kg dry	1	10/23/15 06:21	10/23/15 16:07/JAM	EPA 8081/8082	U
5103-71-9	alpha-Chlordane	ND	1.06	1.06	ug/kg dry	1	10/23/15 06:21	10/23/15 16:07/JAM	EPA 8081/8082	U
5566-34-7	gamma-Chlordane	ND	1.06	1.06	ug/kg dry	1	10/23/15 06:21	10/23/15 16:07/JAM	EPA 8081/8082	U
8001-35-2	Toxaphene	ND	53.7	53.7	ug/kg dry	1	10/23/15 06:21	10/23/15 16:07/JAM	EPA 8081/8082	U
12674-11-2	Aroclor-1016	ND	26.8	53.7	ug/kg dry	1	10/23/15 06:21	10/23/15 16:07/JAM	EPA 8081/8082	U
11104-28-2	Aroclor-1221	ND	26.8	53.7	ug/kg dry	1	10/23/15 06:21	10/23/15 16:07/JAM	EPA 8081/8082	U

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Daniel Miguel, Technical Director



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/03/2015 15:48

Client ID: EP-2

Lab ID: 1501878-02 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Accredited Analytical Resources LLC

EPA Method SW846 8081/8082

11141-16-5	Aroclor-1232	ND	26.8	53.7	ug/kg dry	1	10/23/15 06:21	10/23/15 16:07/JAM	EPA 8081/8082	U
53469-21-9	Aroclor-1242	ND	26.8	53.7	ug/kg dry	1	10/23/15 06:21	10/23/15 16:07/JAM	EPA 8081/8082	U
12672-29-6	Aroclor-1248	ND	26.8	53.7	ug/kg dry	1	10/23/15 06:21	10/23/15 16:07/JAM	EPA 8081/8082	U
11097-69-1	Aroclor-1254	ND	26.8	53.7	ug/kg dry	1	10/23/15 06:21	10/23/15 16:07/JAM	EPA 8081/8082	U
11096-82-5	Aroclor-1260	ND	26.8	53.7	ug/kg dry	1	10/23/15 06:21	10/23/15 16:07/JAM	EPA 8081/8082	U
37324-23-5	Aroclor-1262	ND	26.8	53.7	ug/kg dry	1	10/23/15 06:21	10/23/15 16:07/JAM	EPA 8081/8082	U
11100-14-4	Aroclor-1268	ND	26.8	53.7	ug/kg dry	1	10/23/15 06:21	10/23/15 16:07/JAM	EPA 8081/8082	U

Surrogate: Tetrachloro-m-xylene

84.3% 30-150 10/23/15 06:21 10/23/15 16:07/JAM EPA 8081/8082

Surrogate: Tetrachloro-m-xylene

92.6% 30-150 10/23/15 06:21 10/23/15 16:07/JAM EPA 8081/8082

Surrogate: Decachlorobiphenyl

85.9% 30-150 10/23/15 06:21 10/23/15 16:07/JAM EPA 8081/8082

Surrogate: Decachlorobiphenyl

92.5% 30-150 10/23/15 06:21 10/23/15 16:07/JAM EPA 8081/8082

Total Metals by EPA Method SW846 6010

Sample Prepared by Method: EPA 3050B

7429-90-5	Aluminium	12200	32.3	32.3	mg/kg dry	1	10/26/15 09:32	10/26/15 14:09/LIT	EPA 6010	
7440-36-0	Antimony	ND	6.45	6.45	mg/kg dry	1	10/26/15 09:32	10/26/15 14:09/LIT	EPA 6010	U
7440-38-2	Arsenic	3.14	1.61	1.61	mg/kg dry	1	10/26/15 09:32	10/26/15 14:09/LIT	EPA 6010	
7440-39-3	Barium	61.6	32.3	32.3	mg/kg dry	1	10/26/15 09:32	10/26/15 14:09/LIT	EPA 6010	
7440-41-7	Beryllium	ND	0.806	0.806	mg/kg dry	1	10/26/15 09:32	10/26/15 14:09/LIT	EPA 6010	U
7440-43-9	Cadmium	0.958	0.806	0.806	mg/kg dry	1	10/26/15 09:32	10/26/15 14:09/LIT	EPA 6010	
7440-70-2	Calcium	24400	40.3	40.3	mg/kg dry	1	10/26/15 09:32	10/26/15 14:09/LIT	EPA 6010	
7440-47-3	Chromium	20.9	3.23	3.23	ug/kg dry	1	10/26/15 09:32	10/26/15 14:09/LIT	EPA 6010	
7440-48-4	Cobalt	11.1	8.06	8.06	mg/kg dry	1	10/26/15 09:32	10/26/15 14:09/LIT	EPA 6010	
7440-50-8	Copper	19.5	4.84	4.84	mg/kg dry	1	10/26/15 09:32	10/26/15 14:09/LIT	EPA 6010	
7439-89-6	Iron	21500	40.3	40.3	mg/kg dry	1	10/26/15 09:32	10/26/15 14:09/LIT	EPA 6010	
7439-92-1	Lead	17.1	1.61	1.61	mg/kg dry	1	10/26/15 09:32	10/26/15 14:09/LIT	EPA 6010	
7439-95-4	Magnesium	15700	80.6	80.6	mg/kg dry	1	10/26/15 09:32	10/26/15 14:09/LIT	EPA 6010	
7439-96-5	Manganese	835 J	3.23	3.23	mg/kg dry	1	10/26/15 09:32	10/26/15 14:09/LIT	EPA 6010	

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Daniel Miguel, Technical Director

MAC 12/10/15



BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/03/2015 15:48

Client ID: EP-2
Lab ID: 1501878-02 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Total Metals by EPA Method SW846 6010

7440-02-0	Nickel	17.6	6.45	6.45	mg/kg dry	1	10/26/15 09:32	10/26/15 14:09/LIT	EPA 6010	
7440-09-7	Potassium	320 R	80.6	80.6	mg/kg dry	1	10/26/15 09:32	10/26/15 14:09/LIT	EPA 6010	
7782-49-2	Selenium	ND	6.45	6.45	mg/kg dry	1	10/26/15 09:32	10/26/15 14:09/LIT	EPA 6010	U
7440-22-4	Silver	ND	0.806	0.806	mg/kg dry	1	10/26/15 09:32	10/26/15 14:09/LIT	EPA 6010	U
7440-23-5	Sodium	343	80.6	80.6	mg/kg dry	1	10/26/15 09:32	10/26/15 14:09/LIT	EPA 6010	
7440-28-0	Thallium	ND	2.42	4.84	mg/kg dry	1	10/26/15 09:32	10/26/15 14:09/LIT	EPA 6010	U
7440-62-2	Vanadium	32.8	8.06	8.06	mg/kg dry	1	10/26/15 09:32	10/26/15 14:09/LIT	EPA 6010	
7440-66-6	Zinc	65.7	9.68	9.68	mg/kg dry	1	10/26/15 09:32	10/26/15 14:09/LIT	EPA 6010	

Total Mercury by SW846 7471

Sample Prepared by Method: EPA 7471A

7439-97-6	Mercury	ND	0.121	0.121	mg/kg dry	1	10/26/15 08:59	10/26/15 14:06/PRT	EPA 7471	
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Wet Chemistry

Sample Prepared by Method: EPA 9010C

NA	Cyanide (total)	ND	1.61	1.61	mg/kg dry	1	10/28/15 08:43	10/28/15 13:49/NNM	EPA 9014	
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Sample Prepared by Method: Percent Solids

NA	Percent Solids	62.9	0.100	0.100	%	1	10/22/15 09:30	10/23/15 09:45/CLD	SM 2540 G	
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Daniel Miguel, Technical Director

MRP 12/11/15



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/03/2015 15:48

Client ID: EP-3

Lab ID: 1501878-03 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Volatile Organic Compounds EPA Method SW846 8260

Sample Prepared by Method: EPA 5035A

107-02-8	Acrolein	ND	17.3	28.8	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
107-13-1	Acrylonitrile	ND	5.77	28.8	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
67-64-1	Acetone	14.4	B 2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	B
75-71-8	Dichlorodifluoromethane	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
74-87-3	Chloromethane	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
75-01-4	Vinyl chloride	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
74-83-9	Bromomethane	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
75-00-3	Chloroethane	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
75-69-4	Trichlorofluoromethane	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
75-35-4	1,1-Dichloroethene	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
75-15-0	Carbon disulfide	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
75-09-2	Methylene Chloride	24.2	B 2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	B
156-60-5	trans-1,2-Dichloroethene	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
75-34-3	1,1-Dichloroethane	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
108-05-4	Vinyl acetate	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
590-20-7	2,2-Dichloropropane	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
78-93-3	2-Butanone	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
156-59-4	cis-1,2-Dichloroethene	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
67-66-3	Chloroform	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
74-97-5	Bromochloromethane	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
71-55-6	1,1,1-Trichloroethane	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
563-58-6	1,1-Dichloropropene	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
56-23-5	Carbon Tetrachloride	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
107-06-2	1,2-Dichloroethane	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
71-43-2	Benzene	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
79-01-6	Trichloroethene	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
78-87-5	1,2-Dichloropropane	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

MKP 12/10/15



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/03/2015 15:48

Client ID: EP-3

Lab ID: 1501878-03 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

75-27-4	Bromodichloromethane	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
74-95-3	Dibromomethane	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
110-75-8	2-Chloroethyl vinyl ether	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
10061-01-5	cis-1,3-Dichloropropene	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
108-88-3	Toluene	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
10061-02-6	trans-1,3-Dichloropropene	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
79-00-5	1,1,2-Trichloroethane	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
108-10-1	4-Methyl-2-pentanone	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
106-93-4	1,2-Dibromoethane	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
591-78-6	2-Hexanone	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
142-28-9	1,3-Dichloropropane	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
127-18-4	Tetrachloroethene	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
124-48-1	Dibromochloromethane	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
100-41-4	Ethylbenzene	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
108-90-7	Chlorobenzene	47.4	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
108-38-3/106-4	m,p-Xylenes	ND	5.77	11.5	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
95-47-6	o-Xylene	ND	5.77	11.5	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
100-42-5	Styrene	ND	2.88	11.5	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
75-25-2	Bromoform	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
98-82-8	Isopropylbenzene	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
96-18-4	1,2,3-Trichloropropane	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
103-65-1	n-Propyl Benzene	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
108-86-1	Bromobenzene	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
95-49-8	2-Chlorotoluene	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
106-43-4	4-Chlorotoluene	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

mmf 12/11/15



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/03/2015 15:48

Client ID: EP-3

Lab ID: 1501878-03 (Soil)

CAS#	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

98-06-6	tert-Butylbenzene	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
135-98-8	sec-Butylbenzene	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
99-87-6	p-Isopropyltoluene	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
541-73-1	1,3-Dichlorobenzene	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
106-46-7	1,4-Dichlorobenzene	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
104-51-8	n-Butyl Benzene	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
95-50-1	1,2-Dichlorobenzene	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
87-68-3	Hexachlorobutadiene	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U

Surrogate: 1,2-Dichloroethane-d4

123 % 70-130 10/26/15 16:22 10/26/15 16:22/SG EPA 8260

Surrogate: Toluene-d8

99 % 70-130 10/26/15 16:22 10/26/15 16:22/SG EPA 8260

Surrogate: Bromofluorobenzene

74 % 70-130 10/26/15 16:22 10/26/15 16:22/SG EPA 8260

Semivolatile Organic Compounds EPA Method SW846 8270

Sample Prepared by Method: EPA 3550B GCMS

62-75-9	N-Nitrosodimethylamine	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
108-95-2	Phenol	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
111-44-4	bis(2-chloroethyl)ether	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
95-57-8	2-Chlorophenol	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
541-73-1	1,3-Dichlorobenzene	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
106-46-7	1,4-Dichlorobenzene	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
100-51-6	Benzyl alcohol	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
95-50-1	1,2-Dichlorobenzene	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
95-48-7	2-Methylphenol	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
106-44-5	3 & 4-Methylphenol	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U

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Daniel Miguel, Technical Director

JMM 12/11/15



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/03/2015 15:48

Client ID: EP-3

Lab ID: 1501873-03 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Semivolatile Organic Compounds EPA Method SW846 8270

621-64-7	N-Nitroso-di-n-propylamine	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
67-72-1	Hexachloroethane	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
98-95-3	Nitrobenzene	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
78-59-1	Isophorone	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
88-75-5	2-Nitrophenol	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
105-67-9	2,4-Dimethylphenol	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
65-85-0	Benzoic acid	ND	105	420	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
111-91-1	bis(2-chloroethoxy)methane	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
120-83-2	2,4-Dichlorophenol	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
120-82-1	1,2,4-Trichlorobenzene	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
91-20-3	Naphthalene	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
106-47-8	4-Chloroaniline	ND ^{US}	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
87-68-3	Hexachlorobutadiene	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
59-50-7	4-Chloro-3-methylphenol	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
91-57-6	2-Methylnaphthylene	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
77-47-4	Hexachlorocyclopentadiene	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
88-06-2	2,4,6-Trichlorophenol	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
95-95-4	2,4,5-Trichlorophenol	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
91-58-7	2-Chloronaphthalene	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
88-74-4	2-Nitroaniline	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
131-11-3	Dimethylphthalate	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
208-96-8	Acenaphthylene	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
99-09-2	3-Nitroaniline	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
83-32-9	Acenaphthene	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
51-28-5	2,4-Dinitrophenol	ND	42.0	420	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
100-02-7	4-Nitrophenol	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
132-64-9	Dibenzofuran	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
606-20-2	2,6-Dinitrotoluene	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
121-14-2	2,4-Dinitrotoluene	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U

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Daniel Miguel, Technical Director

MMR 12/11/15



BRINKERHOFF ENVIRONMENTAL

1305 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harn

Reported:
11/03/2015 15:48

Client ID: EP-3

Lab ID: 1501878-03 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Semivolatile Organic Compounds EPA Method SW846 8270

84-66-2	Diethyl phthalate	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
7005-72-3	4-Chlorophenyl-phenylether	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
86-73-7	Fluorene	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
100-01-6	4-Nitroaniline	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
86-30-6	N-Nitrosodiphenylamine	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
101-55-3	4-Bromophenyl-phenylether	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
118-74-1	Hexachlorobenzene	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
87-86-5	Pentachlorophenol	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
85-01-8	Phenanthrene	42.1	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	J
120-12-7	Anthracene	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
84-74-2	Di-n-butyl phthalate	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
206-44-0	Fluoranthene	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
129-00-0	Pyrene	68.6	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	J
85-68-7	Butylbenzylphthalate	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
91-94-1	3,3'-Dichlorobenzidine	ND	105	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
56-55-3	Benzo[a]anthracene	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
117-81-7	bis(2-ethylhexyl)phthalate	53.9	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	J
218-01-9	Chrysene	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
117-84-0	Di-n-octyl phthalate	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
205-99-2	Benzo[b]fluoranthene	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
207-08-9	Benzo[k]fluoranthene	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
50-32-8	Benzo[a]pyrene	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
53-70-3	Dibenzo(a,h)anthracene	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
191-24-2	Benzo[ghi]perylene	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U

Surrogate: 2-Fluorophenol

70 % 30-130 10/26/15 06:03 10/27/15 15:14/JMM EPA 8270

Surrogate: Phenol-d5

76 % 30-130 10/26/15 06:03 10/27/15 15:14/JMM EPA 8270

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Daniel Miguel, Technical Director



BRINKERHOFF ENVIRONMENTAL 1805 Atlantic Ave. Manasquan NJ, 08736	Project: 138th Street, Bronx, NY; 10BR188 Project Manager: Doug Harm	Reported: 11/03/2015 15:48
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Client ID: EP-3
Lab ID: 1501878-03 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Semivolatile Organic Compounds EPA Method SW846 8270

Surrogate: Nitrobenzene-d5				64 %	30-130		10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	
Surrogate: 2-Fluorobiphenyl				65 %	30-130		10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	
Surrogate: 2,4,6-Tribromophenol				84 %	30-130		10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	
Surrogate: Terphenyl-d14				96 %	30-130		10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	

EPA Method SW846 8081/8082

Sample Prepared by Method: EPA 3550B

319-84-6	alpha-BHC	ND	0.833	0.833	ug/kg dry	1	10/23/15 06:21	10/23/15 16:37/JAM	EPA 8081/8082	U
319-85-7	beta-BHC	ND	0.833	0.833	ug/kg dry	1	10/23/15 06:21	10/23/15 16:37/JAM	EPA 8081/8082	U
319-86-8	delta-BHC	ND	0.833	0.833	ug/kg dry	1	10/23/15 06:21	10/23/15 16:37/JAM	EPA 8081/8082	U
58-89-9	gamma-BHC [Lindane]	ND	0.833	0.833	ug/kg dry	1	10/23/15 06:21	10/23/15 16:37/JAM	EPA 8081/8082	U
76-44-8	Heptachlor	ND	0.833	0.833	ug/kg dry	1	10/23/15 06:21	10/23/15 16:37/JAM	EPA 8081/8082	U
309-00-2	Aldrin	ND	0.833	0.833	ug/kg dry	1	10/23/15 06:21	10/23/15 16:37/JAM	EPA 8081/8082	U
1024-57-3	Heptachlor Epoxide	ND	0.833	0.833	ug/kg dry	1	10/23/15 06:21	10/23/15 16:37/JAM	EPA 8081/8082	U
959-98-8	Endosulfan I	ND	0.833	0.833	ug/kg dry	1	10/23/15 06:21	10/23/15 16:37/JAM	EPA 8081/8082	U
60-57-1	Dieldrin	ND	1.68	1.68	ug/kg dry	1	10/23/15 06:21	10/23/15 16:37/JAM	EPA 8081/8082	U
72-55-9	4,4'-DDE	ND	1.68	1.68	ug/kg dry	1	10/23/15 06:21	10/23/15 16:37/JAM	EPA 8081/8082	U
72-20-8	Endrin	ND	1.68	1.68	ug/kg dry	1	10/23/15 06:21	10/23/15 16:37/JAM	EPA 8081/8082	U
33213-65-9	Endosulfan II	ND	1.68	1.68	ug/kg dry	1	10/23/15 06:21	10/23/15 16:37/JAM	EPA 8081/8082	U
72-54-8	4,4'-DDD	ND	1.68	1.68	ug/kg dry	1	10/23/15 06:21	10/23/15 16:37/JAM	EPA 8081/8082	U
1031-07-8	Endosulfan sulfate	ND	1.68	1.68	ug/kg dry	1	10/23/15 06:21	10/23/15 16:37/JAM	EPA 8081/8082	U
50-29-3	4,4'-DDT	ND	1.68	1.68	ug/kg dry	1	10/23/15 06:21	10/23/15 16:37/JAM	EPA 8081/8082	U
72-43-5	Methoxychlor	ND	8.41	8.41	ug/kg dry	1	10/23/15 06:21	10/23/15 16:37/JAM	EPA 8081/8082	U
53494-70-5	Endrin ketone	ND	1.68	1.68	ug/kg dry	1	10/23/15 06:21	10/23/15 16:37/JAM	EPA 8081/8082	U
7421-93-4	Endrin aldehyde	ND	1.68	1.68	ug/kg dry	1	10/23/15 06:21	10/23/15 16:37/JAM	EPA 8081/8082	U
5103-71-9	alpha-Chlordane	ND	0.833	0.833	ug/kg dry	1	10/23/15 06:21	10/23/15 16:37/JAM	EPA 8081/8082	U
5566-34-7	gamma-Chlordane	ND	0.833	0.833	ug/kg dry	1	10/23/15 06:21	10/23/15 16:37/JAM	EPA 8081/8082	U
8001-35-2	Toxaphene	ND	42.0	42.0	ug/kg dry	1	10/23/15 06:21	10/23/15 16:37/JAM	EPA 8081/8082	U
12674-11-2	Aroclor-1016	ND	21.0	42.0	ug/kg dry	1	10/23/15 06:21	10/23/15 16:37/JAM	EPA 8081/8082	U

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Daniel Miguel, Technical Director



BRINKERHOFF ENVIRONMENTAL 1805 Atlantic Ave. Manasquan NJ, 08736	Project: 138th Street, Bronx, NY; 10BR188 Project Manager: Doug Harm	Reported: 11/03/2015 15:48
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Client ID: EP-3
Lab ID: 1501878-03 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Accredited Analytical Resources LLC

EPA Method SW846 8081/8082

11104-28-2	Aroclor-1221	ND	21.0	42.0	ug/kg dry	1	10/23/15 06:21	10/23/15 16:37/JAM	EPA 8081/8082	U
11141-16-5	Aroclor-1232	ND	21.0	42.0	ug/kg dry	1	10/23/15 06:21	10/23/15 16:37/JAM	EPA 8081/8082	U
53469-21-9	Aroclor-1242	ND	21.0	42.0	ug/kg dry	1	10/23/15 06:21	10/23/15 16:37/JAM	EPA 8081/8082	U
12672-29-6	Aroclor-1248	ND	21.0	42.0	ug/kg dry	1	10/23/15 06:21	10/23/15 16:37/JAM	EPA 8081/8082	U
11097-69-1	Aroclor-1254	ND	21.0	42.0	ug/kg dry	1	10/23/15 06:21	10/23/15 16:37/JAM	EPA 8081/8082	U
11096-82-5	Aroclor-1260	ND	21.0	42.0	ug/kg dry	1	10/23/15 06:21	10/23/15 16:37/JAM	EPA 8081/8082	U
37324-23-5	Aroclor-1262	ND	21.0	42.0	ug/kg dry	1	10/23/15 06:21	10/23/15 16:37/JAM	EPA 8081/8082	U
11100-14-4	Aroclor-1268	ND	21.0	42.0	ug/kg dry	1	10/23/15 06:21	10/23/15 16:37/JAM	EPA 8081/8082	U
<i>Surrogate: Tetrachloro-m-xylene</i>				72.9 %	30-150		10/23/15 06:21	10/23/15 16:37/JAM	EPA 8081/8082	
<i>Surrogate: Tetrachloro-m-xylene</i>				80.9 %	30-150		10/23/15 06:21	10/23/15 16:37/JAM	EPA 8081/8082	
<i>Surrogate: Decachlorobiphenyl</i>				77.1 %	30-150		10/23/15 06:21	10/23/15 16:37/JAM	EPA 8081/8082	
<i>Surrogate: Decachlorobiphenyl</i>				82.7 %	30-150		10/23/15 06:21	10/23/15 16:37/JAM	EPA 8081/8082	

Total Metals by EPA Method SW846 6010

Sample Prepared by Method: EPA 3050B

7429-90-5	Aluminum	8550	25.3	25.3	mg/kg dry	1	10/26/15 09:32	10/26/15 14:14/LIT	EPA 6010	
7440-36-0	Antimony	ND	5.05	5.05	mg/kg dry	1	10/26/15 09:32	10/26/15 14:14/LIT	EPA 6010	U
7440-38-2	Arsenic	ND	1.26	1.26	mg/kg dry	1	10/26/15 09:32	10/26/15 14:14/LIT	EPA 6010	U
7440-39-3	Barium	40.7	25.3	25.3	mg/kg dry	1	10/26/15 09:32	10/26/15 14:14/LIT	EPA 6010	
7440-41-7	Beryllium	ND	0.631	0.631	mg/kg dry	1	10/26/15 09:32	10/26/15 14:14/LIT	EPA 6010	U
7440-43-9	Cadmium	ND	0.631	0.631	mg/kg dry	1	10/26/15 09:32	10/26/15 14:14/LIT	EPA 6010	U
7440-70-2	Calcium	1660	31.6	31.6	mg/kg dry	1	10/26/15 09:32	10/26/15 14:14/LIT	EPA 6010	
7440-47-3	Chromium	12.4	2.53	2.53	mg/kg dry	1	10/26/15 09:32	10/26/15 14:14/LIT	EPA 6010	
7440-48-4	Cobalt	7.57	6.31	6.31	mg/kg dry	1	10/26/15 09:32	10/26/15 14:14/LIT	EPA 6010	
7440-50-8	Copper	16.8	3.79	3.79	mg/kg dry	1	10/26/15 09:32	10/26/15 14:14/LIT	EPA 6010	
7439-89-6	Iron	11500	31.6	31.6	mg/kg dry	1	10/26/15 09:32	10/26/15 14:14/LIT	EPA 6010	
7439-92-1	Lead	8.40	1.26	1.26	mg/kg dry	1	10/26/15 09:32	10/26/15 14:14/LIT	EPA 6010	
7439-95-4	Magnesium	4080	63.1	63.1	mg/kg dry	1	10/26/15 09:32	10/26/15 14:14/LIT	EPA 6010	

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Daniel Miguel, Technical Director



BRINKERHOFF ENVIRONMENTAL 1805 Atlantic Ave. Manasquan NJ, 08736	Project: 138th Street, Bronx, NY; 10BR188 Project Manager: Doug Harn	Reported: 11/03/2015 15:48
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Client ID: EP-3
Lab ID: 1501878-03 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Accredited Analytical Resources LLC

Total Metals by EPA Method SW846 6010

7439-96-5	Manganese	96.3 <i>S</i>	2.53	2.53	mg/kg dry	1	10/26/15 09:32	10/26/15 14:14/LIT	EPA 6010	
7440-02-0	Nickel	14.6	5.05	5.05	mg/kg dry	1	10/26/15 09:32	10/26/15 14:14/LIT	EPA 6010	
7440-09-7	Potassium	128 <i>R</i> 63.1	63.1	63.1	mg/kg dry	1	10/26/15 09:32	10/26/15 14:14/LIT	EPA 6010	
7782-49-2	Selenium	ND	5.05	5.05	mg/kg dry	1	10/26/15 09:32	10/26/15 14:14/LIT	EPA 6010	U
7440-22-4	Silver	ND	0.631	0.631	mg/kg dry	1	10/26/15 09:32	10/26/15 14:14/LIT	EPA 6010	U
7440-23-5	Sodium	173	63.1	63.1	mg/kg dry	1	10/26/15 09:32	10/26/15 14:14/LIT	EPA 6010	
7440-28-0	Thallium	ND	1.89	3.79	mg/kg dry	1	10/26/15 09:32	10/26/15 14:14/LIT	EPA 6010	U
7440-62-2	Vanadium	12.8	6.31	6.31	mg/kg dry	1	10/26/15 09:32	10/26/15 14:14/LIT	EPA 6010	
7440-66-6	Zinc	46.2	7.58	7.58	mg/kg dry	1	10/26/15 09:32	10/26/15 14:14/LIT	EPA 6010	

Total Mercury by SW846 7471

Sample Prepared by Method: EPA 7471A

7439-97-6	Mercury	ND	0.0947	0.0947	mg/kg dry	1	10/26/15 08:59	10/26/15 14:08/PRT	EPA 7471	
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Wet Chemistry

Sample Prepared by Method: EPA 9010C

NA	Cyanide (total)	ND	1.26	1.26	mg/kg dry	1	10/28/15 08:43	10/28/15 13:49/NNM	EPA 9014	
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Sample Prepared by Method: Percent Solids

NA	Percent Solids	79.2	0.100	0.100	%	1	10/22/15 09:30	10/23/15 09:45/CLD	SM 2540 G	
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Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

mmp 12/4/15



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harro

Reported:
11/03/2015 15:48

Client ID: EP-4

Lab ID: 1501878-04 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

Sample Prepared by Method: EPA 5035A

107-02-8	Acrolein	ND	17.9	29.8	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
107-13-1	Acrylonitrile	ND	5.96	29.8	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
67-64-1	Acetone	10.2 B	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	B
75-71-8	Dichlorodifluoromethane	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
74-87-3	Chloromethane	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
75-01-4	Vinyl chloride	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
74-83-9	Bromomethane	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
75-00-3	Chloroethane	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
75-69-4	Trichlorofluoromethane	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
75-35-4	1,1-Dichloroethene	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
75-15-0	Carbon disulfide	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
75-09-2	Methylene Chloride	25.6 JB	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	B
156-60-5	trans-1,2-Dichloroethene	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
75-34-3	1,1-Dichloroethane	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
108-05-4	Vinyl acetate	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
590-20-7	2,2-Dichloropropane	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
78-93-3	2-Butanone	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
156-59-4	cis-1,2-Dichloroethene	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
67-66-3	Chloroform	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
74-97-5	Bromochloromethane	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
71-55-6	1,1,1-Trichloroethane	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
563-58-6	1,1-Dichloropropene	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
56-23-5	Carbon Tetrachloride	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
107-06-2	1,2-Dichloroethane	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
71-43-2	Benzene	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
79-01-6	Trichloroethene	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
78-87-5	1,2-Dichloropropane	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

MXP 12/10/15



BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/03/2015 15:48

Client ID: EP-4

Lab ID: 1501878-04 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
Accredited Analytical Resources LLC										
Volatile Organic Compounds EPA Method SW846 8260										
75-27-4	Bromodichloromethane	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
74-95-3	Dibromomethane	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
110-75-8	2-Chloroethyl vinyl ether	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
10061-01-5	cis-1,3-Dichloropropene	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
108-88-3	Toluene	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
10061-02-6	trans-1,3-Dichloropropene	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
79-00-5	1,1,2-Trichloroethane	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
108-10-1	4-Methyl-2-pentanone	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
106-93-4	1,2-Dibromoethane	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
591-78-6	2-Hexanone	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
142-28-9	1,3-Dichloropropane	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
127-18-4	Tetrachloroethene	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
124-48-1	Dibromochloromethane	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
100-41-4	Ethylbenzene	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
108-90-7	Chlorobenzene	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
108-38-3/106-40-0	m,p-Xylenes	ND	5.96	11.9	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
95-47-6	o-Xylene	ND	5.96	11.9	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
100-42-5	Styrene	ND	2.98	11.9	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
75-25-2	Bromoform	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
98-82-8	Isopropylbenzene	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
96-18-4	1,2,3-Trichloropropane	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
103-65-1	n-Propyl Benzene	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
108-86-1	Bromobenzene	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
95-49-8	2-Chlorotoluene	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
106-43-4	4-Chlorotoluene	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
98-06-6	tert-Butylbenzene	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

MP 12/11/15



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/03/2015 15:48

Client ID: EP-4

Lab ID: 1501878-04 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

95-63-6	1,2,4-Trimethylbenzene	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
135-98-8	sec-Butylbenzene	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
99-87-6	p-Isopropyltoluene	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
541-73-1	1,3-Dichlorobenzene	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
106-46-7	1,4-Dichlorobenzene	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
104-51-8	n-Butyl Benzene	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
95-50-1	1,2-Dichlorobenzene	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
87-68-3	Hexachlorobutadiene	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U

Surrogate: 1,2-Dichloroethane-d4

119% 70-130 10/26/15 16:51 10/26/15 16:51/SG EPA 8260

Surrogate: Toluene-d8

99% 70-130 10/26/15 16:51 10/26/15 16:51/SG EPA 8260

Surrogate: Bromofluorobenzene

76% 70-130 10/26/15 16:51 10/26/15 16:51/SG EPA 8260

Semivolatile Organic Compounds EPA Method SW846 8270

Sample Prepared by Method: EPA 3550B GCMS

62-75-9	N-Nitrosodimethylamine	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
108-95-2	Phenol	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
111-44-4	bis(2-chloroethyl)ether	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
95-57-8	2-Chlorophenol	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
541-73-1	1,3-Dichlorobenzene	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
106-46-7	1,4-Dichlorobenzene	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
100-51-6	Benzyl alcohol	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
95-50-1	1,2-Dichlorobenzene	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
95-48-7	2-Methylphenol	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
106-44-5	3 & 4-Methylphenol	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
621-64-7	N-Nitroso-di-n-propylamine	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U

Accredited Analytical Resources LLC

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.

Daniel Miguel, Technical Director

10/26/15



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Horn

Reported:
11/03/2015 15:48

Client ID: EP-4

Lab ID: 1501878-04 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

67-72-1	Hexachloroethane	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
98-95-3	Nitrobenzene	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
78-59-1	Isophorone	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
88-75-5	2-Nitrophenol	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
105-67-9	2,4-Dimethylphenol	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
65-85-0	Benzoic acid	ND	112	449	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
111-91-1	bis(2-chloroethoxy)methane	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
120-83-2	2,4-Dichlorophenol	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
120-82-1	1,2,4-Trichlorobenzene	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
91-20-3	Naphthalene	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
106-47-8	4-Chloroaniline	ND ^{MS}	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
87-68-3	Hexachlorobutadiene	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
59-50-7	4-Chloro-3-methylphenol	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
91-57-6	2-Methylnaphthylene	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
77-47-4	Hexachlorocyclopentadiene	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
88-06-2	2,4,6-Trichlorophenol	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
95-95-4	2,4,5-Trichlorophenol	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
91-58-7	2-Chloronaphthalene	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
88-74-4	2-Nitroaniline	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
131-11-3	Dimethylphthalate	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
208-96-8	Acenaphthylene	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
99-09-2	3-Nitroaniline	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
83-32-9	Acenaphthene	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
51-28-5	2,4-Dinitrophenol	ND	44.9	449	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
100-02-7	4-Nitrophenol	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
132-64-9	Dibenzofuran	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
606-20-2	2,6-Dinitrotoluene	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
121-14-2	2,4-Dinitrotoluene	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
84-66-2	Diethyl phthalate	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U

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Daniel Miguel, Technical Director



BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harn

Reported:
11/03/2015 15:48

Client ID: EP-4

Lab ID: 1501878-04 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Semivolatile Organic Compounds EPA Method SW846 8270

7005-72-3	4-Chlorophenyl-phenylether	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
86-73-7	Fluorene	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
100-01-6	4-Nitroaniline	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
86-30-6	N-Nitrosodiphenylamine	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
101-55-3	4-Bromophenyl-phenylether	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
118-74-1	Hexachlorobenzene	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
87-86-5	Pentachlorophenol	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
85-01-8	Phenanthrene	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
120-12-7	Anthracene	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
84-74-2	Di-n-butyl phthalate	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
206-44-0	Fluoranthene	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
129-00-0	Pyrene	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
85-68-7	Butylbenzylphthalate	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
91-94-1	3,3'-Dichlorobenzidine	ND	112	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
56-55-3	Benzo[a]anthracene	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
117-81-7	bis(2-ethylhexyl)phthalate	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
218-01-9	Chrysene	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
117-84-0	Di-n-octyl phthalate	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
205-99-2	Benzo[b]fluoranthene	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
207-08-9	Benzo[k]fluoranthene	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
50-32-8	Benzo[a]pyrene	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
53-70-3	Dibenzo(a,h)anthracene	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
191-24-2	Benzo[ghi]perylene	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U

Surrogate: 2-Fluorophenol

80 % 30-130 10/26/15 06:03 10/28/15 16:14/JMM EPA 8270

Surrogate: Phenol-d5

86 % 30-130 10/26/15 06:03 10/28/15 16:14/JMM EPA 8270

Surrogate: Nitrobenzene-d5

72 % 30-130 10/26/15 06:03 10/28/15 16:14/JMM EPA 8270

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Daniel Miguel, Technical Director



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/03/2015 15:48

Client ID: EP-4

Lab ID: 1501878-04 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

Surrogate: 2-Fluorobiphenyl		74 %		30-130			10/26/15 06:03	10/28/15 16:14/JMDf	EPA 8270	
Surrogate: 2,4,6-Tribromophenol		99 %		30-130			10/26/15 06:03	10/28/15 16:14/JMDf	EPA 8270	
Surrogate: Terphenyl-d14		123 %		30-130			10/26/15 06:03	10/28/15 16:14/JMDf	EPA 8270	

EPA Method SW846 8081/8082

Sample Prepared by Method: EPA 3550B

319-84-6	alpha-BHC	ND	0.889	0.889	ug/kg dry	1	10/23/15 06:21	10/23/15 17:08/JAM	EPA 8081/8082	U
319-85-7	beta-BHC	ND	0.889	0.889	ug/kg dry	1	10/23/15 06:21	10/23/15 17:08/JAM	EPA 8081/8082	U
319-86-8	delta-BHC	ND	0.889	0.889	ug/kg dry	1	10/23/15 06:21	10/23/15 17:08/JAM	EPA 8081/8082	U
58-89-9	gamma-BHC (Lindane)	ND	0.889	0.889	ug/kg dry	1	10/23/15 06:21	10/23/15 17:08/JAM	EPA 8081/8082	U
76-44-8	Heptachlor	ND	0.889	0.889	ug/kg dry	1	10/23/15 06:21	10/23/15 17:08/JAM	EPA 8081/8082	U
309-00-2	Aldrin	ND	0.889	0.889	ug/kg dry	1	10/23/15 06:21	10/23/15 17:08/JAM	EPA 8081/8082	U
1024-57-3	Heptachlor Epoxide	ND	0.889	0.889	ug/kg dry	1	10/23/15 06:21	10/23/15 17:08/JAM	EPA 8081/8082	U
959-98-8	Endosulfan I	ND	0.889	0.889	ug/kg dry	1	10/23/15 06:21	10/23/15 17:08/JAM	EPA 8081/8082	U
60-57-1	Dieldrin	ND	1.79	1.79	ug/kg dry	1	10/23/15 06:21	10/23/15 17:08/JAM	EPA 8081/8082	U
72-55-9	4,4'-DDE	ND	1.79	1.79	ug/kg dry	1	10/23/15 06:21	10/23/15 17:08/JAM	EPA 8081/8082	U
72-20-8	Endrin	ND	1.79	1.79	ug/kg dry	1	10/23/15 06:21	10/23/15 17:08/JAM	EPA 8081/8082	U
33213-65-9	Endosulfan II	ND	1.79	1.79	ug/kg dry	1	10/23/15 06:21	10/23/15 17:08/JAM	EPA 8081/8082	U
72-54-8	4,4'-DDD	ND	1.79	1.79	ug/kg dry	1	10/23/15 06:21	10/23/15 17:08/JAM	EPA 8081/8082	U
1031-07-8	Endosulfan sulfate	ND	1.79	1.79	ug/kg dry	1	10/23/15 06:21	10/23/15 17:08/JAM	EPA 8081/8082	U
50-29-3	4,4'-DDT	ND	1.79	1.79	ug/kg dry	1	10/23/15 06:21	10/23/15 17:08/JAM	EPA 8081/8082	U
72-43-5	Methoxychlor	ND	8.98	8.98	ug/kg dry	1	10/23/15 06:21	10/23/15 17:08/JAM	EPA 8081/8082	U
53494-70-5	Endrin ketone	ND	1.79	1.79	ug/kg dry	1	10/23/15 06:21	10/23/15 17:08/JAM	EPA 8081/8082	U
7421-93-4	Endrin aldehyde	ND	1.79	1.79	ug/kg dry	1	10/23/15 06:21	10/23/15 17:08/JAM	EPA 8081/8082	U
5103-71-9	alpha-Chlordane	ND	0.889	0.889	ug/kg dry	1	10/23/15 06:21	10/23/15 17:08/JAM	EPA 8081/8082	U
5566-34-7	gamma-Chlordane	ND	0.889	0.889	ug/kg dry	1	10/23/15 06:21	10/23/15 17:08/JAM	EPA 8081/8082	U
8001-35-2	Toxaphene	ND	44.9	44.9	ug/kg dry	1	10/23/15 06:21	10/23/15 17:08/JAM	EPA 8081/8082	U
12674-11-2	Aroclor-1016	ND	22.4	44.9	ug/kg dry	1	10/23/15 06:21	10/23/15 17:08/JAM	EPA 8081/8082	U
11104-28-2	Aroclor-1221	ND	22.4	44.9	ug/kg dry	1	10/23/15 06:21	10/23/15 17:08/JAM	EPA 8081/8082	U

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Daniel Miguel, Technical Director



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/03/2015 15:48

Client ID: EP-4

Lab ID: 1501878-04 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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EPA Method SW846 8081/8082

11141-16-5	Aroclor-1232	ND	22.4	44.9	ug/kg dry	1	10/23/15 06:21	10/23/15 17:08/JAM	EPA 8081/8082	U
53469-21-9	Aroclor-1242	ND	22.4	44.9	ug/kg dry	1	10/23/15 06:21	10/23/15 17:08/JAM	EPA 8081/8082	U
12672-29-6	Aroclor-1248	ND	22.4	44.9	ug/kg dry	1	10/23/15 06:21	10/23/15 17:08/JAM	EPA 8081/8082	U
11097-69-1	Aroclor-1254	ND	22.4	44.9	ug/kg dry	1	10/23/15 06:21	10/23/15 17:08/JAM	EPA 8081/8082	U
11096-82-5	Aroclor-1260	ND	22.4	44.9	ug/kg dry	1	10/23/15 06:21	10/23/15 17:08/JAM	EPA 8081/8082	U
37324-23-5	Aroclor-1262	ND	22.4	44.9	ug/kg dry	1	10/23/15 06:21	10/23/15 17:08/JAM	EPA 8081/8082	U
11100-14-4	Aroclor-1268	ND	22.4	44.9	ug/kg dry	1	10/23/15 06:21	10/23/15 17:08/JAM	EPA 8081/8082	U
<i>Surrogate: Tetrachloro-m-xylene</i>				74.9 %	30-150		10/23/15 06:21	10/23/15 17:08/JAM	EPA 8081/8082	
<i>Surrogate: Tetrachloro-m-xylene</i>				84.8 %	30-150		10/23/15 06:21	10/23/15 17:08/JAM	EPA 8081/8082	
<i>Surrogate: Decachlorobiphenyl</i>				82.7 %	30-150		10/23/15 06:21	10/23/15 17:08/JAM	EPA 8081/8082	
<i>Surrogate: Decachlorobiphenyl</i>				84.2 %	30-150		10/23/15 06:21	10/23/15 17:08/JAM	EPA 8081/8082	

Total Metals by EPA Method SW846 6010

Sample Prepared by Method: EPA 3050B

7429-90-5	Aluminium	7630	27.0	27.0	mg/kg dry	1	10/26/15 09:32	10/26/15 14:29/LIT	EPA 6010	
7440-36-0	Antimony	ND	5.39	5.39	mg/kg dry	1	10/26/15 09:32	10/26/15 14:29/LIT	EPA 6010	U
7440-38-2	Arsenic	2.25	1.35	1.35	mg/kg dry	1	10/26/15 09:32	10/26/15 14:29/LIT	EPA 6010	
7440-39-3	Barium	ND	27.0	27.0	mg/kg dry	1	10/26/15 09:32	10/26/15 14:29/LIT	EPA 6010	U
7440-41-7	Beryllium	ND	0.674	0.674	mg/kg dry	1	10/26/15 09:32	10/26/15 14:29/LIT	EPA 6010	U
7440-43-9	Cadmium	ND	0.674	0.674	mg/kg dry	1	10/26/15 09:32	10/26/15 14:29/LIT	EPA 6010	U
7440-70-2	Calcium	2000	33.7	33.7	mg/kg dry	1	10/26/15 09:32	10/26/15 14:29/LIT	EPA 6010	
7440-47-3	Chromium	11.8	2.70	2.70	mg/kg dry	1	10/26/15 09:32	10/26/15 14:29/LIT	EPA 6010	
7440-48-4	Cobalt	7.33	6.74	6.74	mg/kg dry	1	10/26/15 09:32	10/26/15 14:29/LIT	EPA 6010	
7440-50-8	Copper	19.8	4.04	4.04	mg/kg dry	1	10/26/15 09:32	10/26/15 14:29/LIT	EPA 6010	
7439-89-6	Iron	11500	33.7	33.7	mg/kg dry	1	10/26/15 09:32	10/26/15 14:29/LIT	EPA 6010	
7439-92-1	Lead	8.19	1.35	1.35	mg/kg dry	1	10/26/15 09:32	10/26/15 14:29/LIT	EPA 6010	
7439-95-4	Magnesium	3910	67.4	67.4	mg/kg dry	1	10/26/15 09:32	10/26/15 14:29/LIT	EPA 6010	
7439-96-5	Manganese	101	2.70	2.70	mg/kg dry	1	10/26/15 09:32	10/26/15 14:29/LIT	EPA 6010	

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Daniel Miguel, Technical Director

map 12/1/15



BRINKERHOFF ENVIRONMENTAL 1805 Atlantic Ave. Manasquan NJ, 08736	Project: 138th Street, Bronx, NY; 10BR188 Project Manager: Doug Harm	Reported: 11/03/2015 15:48
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Client ID: EP-4

Lab ID: 1501878-04 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Total Metals by EPA Method SW846 6010

7440-02-0	Nickel	15.6	5.39	5.39	mg/kg dry	1	10/26/15 09:32	10/26/15 14:29/LJT	EPA 6010	
7440-09-7	Potassium	95R 67.4	67.4	67.4	mg/kg dry	1	10/26/15 09:32	10/26/15 14:29/LJT	EPA 6010	
7782-49-2	Selenium	ND	5.39	5.39	mg/kg dry	1	10/26/15 09:32	10/26/15 14:29/LJT	EPA 6010	U
7440-22-4	Silver	ND	0.674	0.674	mg/kg dry	1	10/26/15 09:32	10/26/15 14:29/LJT	EPA 6010	U
7440-23-5	Sodium	203	67.4	67.4	mg/kg dry	1	10/26/15 09:32	10/26/15 14:29/LJT	EPA 6010	
7440-28-0	Thallium	ND	2.02	4.04	mg/kg dry	1	10/26/15 09:32	10/26/15 14:29/LJT	EPA 6010	U
7440-62-2	Vanadium	12.8	6.74	6.74	mg/kg dry	1	10/26/15 09:32	10/26/15 14:29/LJT	EPA 6010	
7440-66-6	Zinc	53.4	8.09	8.09	mg/kg dry	1	10/26/15 09:32	10/26/15 14:29/LJT	EPA 6010	

Total Mercury by SW846 7471

Sample Prepared by Method: EPA 7471A

7439-97-6	Mercury	ND	0.101	0.101	mg/kg dry	1	10/26/15 08:59	10/26/15 14:11/PRT	EPA 7471	
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Wet Chemistry

Sample Prepared by Method: EPA 9010C

NA	Cyanide (total)	ND	1.35	1.35	mg/kg dry	1	10/28/15 08:43	10/28/15 13:49/NNM	EPA 9014	
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Sample Prepared by Method: Percent Solids

NA	Percent Solids	74.2	0.100	0.100	%	1	10/22/15 09:30	10/23/15 09:45/CLD	SM 2540 G	
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Daniel Miguel, Technical Director

MSP 12/11/15



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/03/2015 15:48

Client ID: EP-5

Lab ID: 1501878-05 (Soil)

CAS#	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

Sample Prepared by Method: EPA 5035A

107-02-8	Acrolein	ND	115	192	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
107-13-1	Acrylonitrile	ND	38.5	192	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
67-64-1	Acetone	3460	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	B
75-71-8	Dichlorodifluoromethane	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
74-87-3	Chloromethane	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
75-01-4	Vinyl chloride	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
74-83-9	Bromomethane	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
75-00-3	Chloroethane	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
75-69-4	Trichlorofluoromethane	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
75-35-4	1,1-Dichloroethene	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
75-15-0	Carbon disulfide	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
75-09-2	Methylene Chloride	127 JB	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	B
156-60-5	trans-1,2-Dichloroethene	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
75-34-3	1,1-Dichloroethane	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
108-05-4	Vinyl acetate	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
590-20-7	2,2-Dichloropropane	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
78-93-3	2-Butanone	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
156-59-4	cis-1,2-Dichloroethene	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
67-66-3	Chloroform	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
74-97-5	Bromochloromethane	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
71-55-6	1,1,1-Trichloroethane	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
563-58-6	1,1-Dichloropropene	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
56-23-5	Carbon Tetrachloride	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
107-06-2	1,2-Dichloroethane	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
71-43-2	Benzene	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
79-01-6	Trichloroethene	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
78-87-5	1,2-Dichloropropane	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

MRP 12/10/15



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/03/2015 15:48

Client ID: EP-5

Lab ID: 1501878-05 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

75-27-4	Bromodichloromethane	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
74-95-3	Dibromomethane	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
110-75-8	2-Chloroethyl vinyl ether	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
10061-01-5	cis-1,3-Dichloropropene	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
108-88-3	Toluene	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
10061-02-6	trans-1,3-Dichloropropene	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
79-00-5	1,1,2-Trichloroethane	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
108-10-1	4-Methyl-2-pentanone	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
106-93-4	1,2-Dibromoethane	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
591-78-6	2-Hexanone	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
142-28-9	1,3-Dichloropropane	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
127-18-4	Tetrachloroethene	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
124-48-1	Dibromochloromethane	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
100-41-4	Ethylbenzene	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
108-90-7	Chlorobenzene	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
108-38-3/106-4m,p-Xylenes		ND	38.5	76.9	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
95-47-6	o-Xylene	ND	38.5	76.9	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
100-42-5	Styrene	ND	19.2	76.9	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
75-25-2	Bromoform	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
98-82-8	Isopropylbenzene	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
96-18-4	1,2,3-Trichloropropane	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
103-65-1	n-Propyl Benzene	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
108-86-1	Bromobenzene	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
108-67-8	1,3,5-Trimethylbenzene	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
95-49-8	2-Chlorotoluene	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
106-43-4	4-Chlorotoluene	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
98-06-6	tert-Butylbenzene	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U

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Daniel Miguel, Technical Director

MSP 12/1/15



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/03/2015 15:48

Client ID: EP-5

Lab ID: 1501878-05 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

95-63-6	1,2,4-Trimethylbenzene	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
135-98-8	sec-Butylbenzene	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
99-87-6	p-Isopropyltoluene	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
541-73-1	1,3-Dichlorobenzene	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
106-46-7	1,4-Dichlorobenzene	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
104-51-8	n-Butyl Benzene	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
95-50-1	1,2-Dichlorobenzene	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
120-82-1	1,2,4-Trichlorobenzene	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
87-68-3	Hexachlorobutadiene	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
87-61-6	1,2,3-Trichlorobenzene	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U

Surrogate: 1,2-Dichloroethane-d4

119 % 70-130 10/26/15 17:22 10/26/15 17:22/SG EPA 8260

Surrogate: Toluene-d8

90 % 70-130 10/26/15 17:22 10/26/15 17:22/SG EPA 8260

Surrogate: Bromofluorobenzene

74 % 70-130 10/26/15 17:22 10/26/15 17:22/SG EPA 8260

Semivolatile Organic Compounds EPA Method SW846 8270

Sample Prepared by Method: EPA 3550B GCMS

62-75-9	N-Nitrosodimethylamine	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
108-95-2	Phenol	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
111-44-4	bis(2-chloroethyl)ether	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
95-57-8	2-Chlorophenol	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
541-73-1	1,3-Dichlorobenzene	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
106-46-7	1,4-Dichlorobenzene	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
100-51-6	Benzyl alcohol	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
95-50-1	1,2-Dichlorobenzene	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
95-48-7	2-Methylphenol	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
106-44-5	3 & 4-Methylphenol	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
621-64-7	N-Nitroso-di-n-propylamine	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

MSP 12/11/15



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/03/2015 15:48

Client ID: EP-5

Lab ID: 1501878-05 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

67-72-1	Hexachloroethane	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
98-95-3	Nitrobenzene	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
78-59-1	Isophorone	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
88-75-5	2-Nitrophenol	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
105-67-9	2,4-Dimethylphenol	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
65-85-0	Benzoic acid	ND	364	1460	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
111-91-1	bis(2-chloroethoxy)methane	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
120-83-2	2,4-Dichlorophenol	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
120-82-1	1,2,4-Trichlorobenzene	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
91-20-3	Naphthalene	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
106-47-8	4-Chloroaniline	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
87-68-3	Hexachlorobutadiene	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
59-50-7	4-Chloro-3-methylphenol	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
91-57-6	2-Methylnaphthylene	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
77-47-4	Hexachlorocyclopentadiene	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
88-06-2	2,4,6-Trichlorophenol	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
95-95-4	2,4,5-Trichlorophenol	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
91-58-7	2-Chloronaphthalene	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
88-74-4	2-Nitroaniline	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
131-11-3	Dimethylphthalate	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
208-96-8	Acenaphthylene	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
99-09-2	3-Nitroaniline	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
83-32-9	Acenaphthene	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
51-28-5	2,4-Dinitrophenol	ND	146	1460	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
100-02-7	4-Nitrophenol	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
132-64-9	Dibenzofuran	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
606-20-2	2,6-Dinitrotoluene	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
121-14-2	2,4-Dinitrotoluene	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
84-66-2	Diethyl phthalate	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

MJP 12/1/15



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/03/2015 15:48

Client ID: EP-5

Lab ID: 1501878-05 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

7005-72-3	4-Chlorophenyl-phenylether	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
86-73-7	Fluorene	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
100-01-6	4-Nitroaniline	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
86-30-6	N-Nitrosodiphenylamine	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
101-55-3	4-Bromophenyl-phenylether	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
118-74-1	Hexachlorobenzene	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
87-86-5	Pentachlorophenol	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
85-01-8	Phenanthrene	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
120-12-7	Anthracene	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
84-74-2	Di-n-butyl phthalate	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
206-44-0	Fluoranthene	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
129-00-0	Pyrene	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
85-68-7	Butylbenzylphthalate	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
91-94-1	3,3'-Dichlorobenzidine	ND	364	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
56-55-3	Benzo[a]anthracene	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
117-81-7	bis(2-ethylhexyl)phthalate	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
218-01-9	Chrysene	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
117-84-0	Di-n-octyl phthalate	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
205-99-2	Benzo[b]fluoranthene	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
207-08-9	Benzo[k]fluoranthene	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
50-32-8	Benzo[a]pyrene	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
53-70-3	Dibenzo(a,h)anthracene	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
191-24-2	Benzo[ghi]perylene	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U

Surrogate: 2-Fluorophenol

63 % 30-130 10/26/15 06:03 10/27/15 16:00/JMM EPA 8270

Surrogate: Phenol-d5

71 % 30-130 10/26/15 06:03 10/27/15 16:00/JMM EPA 8270

Surrogate: Nitrobenzene-d5

58 % 30-130 10/26/15 06:03 10/27/15 16:00/JMM EPA 8270

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/03/2015 15:48

Client ID: EP-5

Lab ID: 1501878-05 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

Surrogate: 2-Fluorobiphenyl		61 %	30-130				10/26/15 06:03	10/27/15 16:00/JAM	EPA 8270	
Surrogate: 2,4,6-Tribromophenol		81 %	30-130				10/26/15 06:03	10/27/15 16:00/JAM	EPA 8270	
Surrogate: Terphenyl-d14		102 %	30-130				10/26/15 06:03	10/27/15 16:00/JAM	EPA 8270	

EPA Method SW846 8061/8062

Sample Prepared by Method: EPA 3550B

319-84-6	alpha-BHC	ND	2.89	2.89	ug/kg dry	1	10/23/15 06:21	10/23/15 17:39/JAM	EPA 8061/8062	U
319-85-7	beta-BHC	ND	2.89	2.89	ug/kg dry	1	10/23/15 06:21	10/23/15 17:39/JAM	EPA 8061/8062	U
319-86-8	delta-BHC	ND	2.89	2.89	ug/kg dry	1	10/23/15 06:21	10/23/15 17:39/JAM	EPA 8061/8062	U
58-89-9	gamma-BHC [Lindane]	ND	2.89	2.89	ug/kg dry	1	10/23/15 06:21	10/23/15 17:39/JAM	EPA 8061/8062	U
76-44-8	Heptachlor	ND	2.89	2.89	ug/kg dry	1	10/23/15 06:21	10/23/15 17:39/JAM	EPA 8061/8062	U
309-00-2	Aldrin	ND	2.89	2.89	ug/kg dry	1	10/23/15 06:21	10/23/15 17:39/JAM	EPA 8061/8062	U
1024-57-3	Heptachlor Epoxide	ND	2.89	2.89	ug/kg dry	1	10/23/15 06:21	10/23/15 17:39/JAM	EPA 8061/8062	U
959-98-8	Endosulfan I	ND	2.89	2.89	ug/kg dry	1	10/23/15 06:21	10/23/15 17:39/JAM	EPA 8061/8062	U
60-57-1	Dieldrin	ND	5.83	5.83	ug/kg dry	1	10/23/15 06:21	10/23/15 17:39/JAM	EPA 8061/8062	U
72-55-9	4,4'-DDE	ND	5.83	5.83	ug/kg dry	1	10/23/15 06:21	10/23/15 17:39/JAM	EPA 8061/8062	U
72-20-8	Endrin	ND	5.83	5.83	ug/kg dry	1	10/23/15 06:21	10/23/15 17:39/JAM	EPA 8061/8062	U
33213-65-9	Endosulfan II	ND	5.83	5.83	ug/kg dry	1	10/23/15 06:21	10/23/15 17:39/JAM	EPA 8061/8062	U
72-54-8	4,4'-DDD	ND	5.83	5.83	ug/kg dry	1	10/23/15 06:21	10/23/15 17:39/JAM	EPA 8061/8062	U
1031-07-8	Endosulfan sulfate	ND	5.83	5.83	ug/kg dry	1	10/23/15 06:21	10/23/15 17:39/JAM	EPA 8061/8062	U
50-29-3	4,4'-DDT	ND	5.83	5.83	ug/kg dry	1	10/23/15 06:21	10/23/15 17:39/JAM	EPA 8061/8062	U
72-43-5	Methoxychlor	ND	29.2	29.2	ug/kg dry	1	10/23/15 06:21	10/23/15 17:39/JAM	EPA 8061/8062	U
53494-70-5	Endrin ketone	ND	5.83	5.83	ug/kg dry	1	10/23/15 06:21	10/23/15 17:39/JAM	EPA 8061/8062	U
7421-93-4	Endrin aldehyde	ND	5.83	5.83	ug/kg dry	1	10/23/15 06:21	10/23/15 17:39/JAM	EPA 8061/8062	U
5103-71-9	alpha-Chlordane	ND	2.89	2.89	ug/kg dry	1	10/23/15 06:21	10/23/15 17:39/JAM	EPA 8061/8062	U
5566-34-7	gamma-Chlordane	ND	2.89	2.89	ug/kg dry	1	10/23/15 06:21	10/23/15 17:39/JAM	EPA 8061/8062	U
8001-35-2	Toxaphene	ND	146	146	ug/kg dry	1	10/23/15 06:21	10/23/15 17:39/JAM	EPA 8061/8062	U
12674-11-2	Aroclor-1016	ND	72.8	146	ug/kg dry	1	10/23/15 06:21	10/23/15 17:39/JAM	EPA 8061/8062	U
11104-28-2	Aroclor-1221	ND	72.8	146	ug/kg dry	1	10/23/15 06:21	10/23/15 17:39/JAM	EPA 8061/8062	U

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Daniel Miguel, Technical Director



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harn

Reported:
11/03/2015 15:48

Client ID: EP-5

Lab ID: 1501878-05 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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EPA Method SW846 8081/8082

11141-16-5	Aroclor-1232	ND	72.8	146	ug/kg dry	1	10/23/15 06:21	10/23/15 17:39/JAM	EPA 8081/8082	U
53469-21-9	Aroclor-1242	ND	72.8	146	ug/kg dry	1	10/23/15 06:21	10/23/15 17:39/JAM	EPA 8081/8082	U
12672-29-6	Aroclor-1248	ND	72.8	146	ug/kg dry	1	10/23/15 06:21	10/23/15 17:39/JAM	EPA 8081/8082	U
11097-69-1	Aroclor-1254	ND	72.8	146	ug/kg dry	1	10/23/15 06:21	10/23/15 17:39/JAM	EPA 8081/8082	U
11096-82-5	Aroclor-1260	ND	72.8	146	ug/kg dry	1	10/23/15 06:21	10/23/15 17:39/JAM	EPA 8081/8082	U
37324-23-5	Aroclor-1262	ND	72.8	146	ug/kg dry	1	10/23/15 06:21	10/23/15 17:39/JAM	EPA 8081/8082	U
11100-14-4	Aroclor-1268	ND	72.8	146	ug/kg dry	1	10/23/15 06:21	10/23/15 17:39/JAM	EPA 8081/8082	U

Surrogate: Tetrachloro-m-xylene

72.6 % 30-150 10/23/15 06:21 10/23/15 17:39/JAM EPA 8081/8082

Surrogate: Tetrachloro-m-xylene

78.2 % 30-150 10/23/15 06:21 10/23/15 17:39/JAM EPA 8081/8082

Surrogate: Decachlorobiphenyl

83.1 % 30-150 10/23/15 06:21 10/23/15 17:39/JAM EPA 8081/8082

Surrogate: Decachlorobiphenyl

84.4 % 30-150 10/23/15 06:21 10/23/15 17:39/JAM EPA 8081/8082

Total Metals by EPA Method SW846 6010

Sample Prepared by Method: EPA 3050B

7429-90-5	Aluminum	4070	87.7	87.7	mg/kg dry	1	10/26/15 09:32	10/26/15 14:34/LIT	EPA 6010	
7440-36-0	Antimony	ND	17.5	17.5	mg/kg dry	1	10/26/15 09:32	10/26/15 14:34/LIT	EPA 6010	U
7440-38-2	Arsenic	ND	4.39	4.39	mg/kg dry	1	10/26/15 09:32	10/26/15 14:34/LIT	EPA 6010	U
7440-39-3	Barium	94.3	87.7	87.7	mg/kg dry	1	10/26/15 09:32	10/26/15 14:34/LIT	EPA 6010	
7440-41-7	Beryllium	ND	2.19	2.19	mg/kg dry	1	10/26/15 09:32	10/26/15 14:34/LIT	EPA 6010	U
7440-43-9	Cadmium	ND	2.19	2.19	mg/kg dry	1	10/26/15 09:32	10/26/15 14:34/LIT	EPA 6010	U
7440-70-2	Calcium	28800	110	110	mg/kg dry	1	10/26/15 09:32	10/26/15 14:34/LIT	EPA 6010	
7440-47-3	Chromium	11.9	8.77	8.77	mg/kg dry	1	10/26/15 09:32	10/26/15 14:34/LIT	EPA 6010	
7440-48-4	Cobalt	ND	21.9	21.9	mg/kg dry	1	10/26/15 09:32	10/26/15 14:34/LIT	EPA 6010	U
7440-50-8	Copper	31.5	13.2	13.2	mg/kg dry	1	10/26/15 09:32	10/26/15 14:34/LIT	EPA 6010	
7439-89-6	Iron	7500	110	110	mg/kg dry	1	10/26/15 09:32	10/26/15 14:34/LIT	EPA 6010	
7439-92-1	Lead	19.7	4.39	4.39	mg/kg dry	1	10/26/15 09:32	10/26/15 14:34/LIT	EPA 6010	
7439-95-4	Magnesium	10300	219	219	mg/kg dry	1	10/26/15 09:32	10/26/15 14:34/LIT	EPA 6010	
7439-96-5	Manganese	421	8.77	8.77	mg/kg dry	1	10/26/15 09:32	10/26/15 14:34/LIT	EPA 6010	

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Daniel Miguel, Technical Director



BRINKERHOFF ENVIRONMENTAL 1805 Atlantic Ave. Manasquan NJ, 08736	Project: 138th Street, Bronx, NY; 10BR188 Project Manager: Doug Harm	Reported: 11/03/2015 15:48
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Client ID: EP-5

Lab ID: 1501878-05 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Total Metals by EPA Method SW846 6010

7440-02-0	Nickel	ND	17.5	17.5	mg/kg dry	1	10/25/15 09:32	10/26/15 14:34/LIT	EPA 6010	U
7440-09-7	Potassium	96 R	219	219	mg/kg dry	1	10/26/15 09:32	10/26/15 14:34/LIT	EPA 6010	
7782-49-2	Selenium	ND	17.5	17.5	mg/kg dry	1	10/26/15 09:32	10/26/15 14:34/LIT	EPA 6010	U
7440-22-4	Silver	ND	2.19	2.19	mg/kg dry	1	10/26/15 09:32	10/26/15 14:34/LIT	EPA 6010	U
7440-23-5	Sodium	720	219	219	mg/kg dry	1	10/25/15 09:32	10/26/15 14:34/LIT	EPA 6010	
7440-28-0	Thallium	ND	6.58	13.2	mg/kg dry	1	10/26/15 09:32	10/26/15 14:34/LIT	EPA 6010	U
7440-62-2	Vanadium	ND	21.9	21.9	mg/kg dry	1	10/26/15 09:32	10/26/15 14:34/LIT	EPA 6010	U
7440-66-6	Zinc	ND	26.3	26.3	mg/kg dry	1	10/26/15 09:32	10/26/15 14:34/LIT	EPA 6010	U

Total Mercury by SW846 7471

Sample Prepared by Method: EPA 7471A

7439-97-6	Mercury	ND	0.329	0.329	mg/kg dry	1	10/26/15 08:59	10/26/15 14:13/PRT	EPA 7471	
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Wet Chemistry

Sample Prepared by Method: EPA 9010C

NA	Cyanide (total)	ND	4.39	4.39	mg/kg dry	1	10/28/15 08:43	10/28/15 13:49/NNM	EPA 9014	
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Sample Prepared by Method: Percent Solids

NA	Percent Solids	22.8	0.100	0.100	%	1	10/22/15 09:30	10/23/15 09:45/CLD	SM 2540 G	
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Daniel Miguel, Technical Director

MP 12/1/15

Appendix B

***Laboratory
QC
Documentation***



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Client: **BRINKERHOFF ENVIRONMENTAL**
 Project: **138th Street, Bronx, NY; 10BR188**
 Work Order: **1501878**

Matrix:	Solid	Analysis Method:	EPA 8081/8082
Prep Batch:	B5J2301	Prep Method:	EPA 3650B
Percent Solids:	52.40	Laboratory ID:	B5J2301-MS1
Column:	1	Client Sample ID:	1501840-01

ANALYTE	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC.	QC LIMITS REC.
alpha-BHC	19.1	ND	28.8	151	* 30 - 150
beta-BHC	19.1	ND	24.8	130	30 - 150
delta-BHC	19.1	ND	31.4	164	* 30 - 150
gamma-BHC [Lindane]	19.1	ND	26.7	140	30 - 150
Heptachlor	19.1	ND	12.2	63.7	30 - 150
Aldrin	19.1	ND	29.5	155	* 30 - 150
Heptachlor Epoxide	19.1	ND	33.7	177	* 30 - 150
Endosulfan I	19.1	ND	21.6	113	30 - 150
Dieldrin	19.1	ND	44.9	235	* 30 - 150
4,4'-DDE	19.1	ND	32.2	169	* 30 - 150
Endrin	19.1	ND	17.0	89.3	30 - 150
Endosulfan II	19.1	ND	33.4	175	* 30 - 150
4,4'-DDD	19.1	ND	37.2	195	* 30 - 150
Endosulfan sulfate	19.1	ND	16.0	84.0	30 - 150
4,4'-DDT	19.1	ND	13.9	72.7	30 - 150
Methoxychlor	19.1	ND	3.44	18.0	* 30 - 150
Endrin ketone	19.1	ND	25.8	135	30 - 150
Endrin aldehyde	19.1	ND	24.6	129	30 - 150
alpha-Chlordane	19.1	ND	37.7	198	* 30 - 150
gamma-Chlordane	19.1	ND	39.2	206	* 30 - 150



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike Dup

Client: BRINKERHOFF ENVIRONMENTAL
 Project: 138th Street, Bronx, NY; 10BR188
 Work Order: 1501878

Matrix:	Solid	Analysis Method:	EPA 8081/8082
Prep Batch:	B5J2301	Prep Method:	EPA 35508
Percent Solids:	52.40	Laboratory ID:	B5J2301-MSD1
Column:	1	Client Sample ID:	1501840-01

ANALYTE	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
alpha-BHC	19.1	27.0	141	6.61	30	30 - 150
beta-BHC	19.1	22.9	120	8.00	30	30 - 150
delta-BHC	19.1	28.9	151 *	8.24	30	30 - 150
gamma-BHC [Lindane]	19.1	25.4	133	5.13	30	30 - 150
Heptachlor	19.1	11.3	59.3	7.05	30	30 - 150
Aldrin	19.1	28.1	147	5.08	30	30 - 150
Heptachlor Epoxide	19.1	31.8	167 *	5.83	30	30 - 150
Endosulfan I	19.1	20.7	108	4.22	30	30 - 150
Dieldrin	19.1	47.4	248 *	5.38	30	30 - 150
4,4'-DDE	19.1	32.1	168 *	0.198	30	30 - 150
Endrin	19.1	15.8	83.0	7.35	30	30 - 150
Endosulfan II	19.1	30.9	162 *	7.92	30	30 - 150
4,4'-DDD	19.1	34.4	180 *	7.83	30	30 - 150
Endosulfan sulfate	19.1	16.5	86.7	3.13	30	30 - 150
4,4'-DDT	19.1	13.5	70.7	2.79	30	30 - 150
Methoxychlor	19.1	3.37	17.7 *	1.87	30	30 - 150
Endrin ketone	19.1	24.5	128	5.31	30	30 - 150
Endrin aldehyde	19.1	23.1	121	6.40	30	30 - 150
alpha-Chlordane	19.1	38.3	201 *	1.51	30	30 - 150
gamma-Chlordane	19.1	40.1	210 *	2.24	30	30 - 150



LCS / LCS DUPLICATE RECOVERY

EPA 8081/8082

Client: **BRINKERHOFF ENVIRONMENTAL**
 Project: **138th Street, Bronx, NY; 10BR188**
 Work Order: **1501878**

Matrix:	Solid	Prep Method:	EPA 3550B
Prep Batch:	B5J2301	Lab Sample ID:	B5J2301-BS1
Column:	1		

ANALYTE	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC.	QC LIMITS REC.
alpha-BHC	10.0	11.7	117	40 - 140
beta-BHC	10.0	11.0	110	40 - 140
delta-BHC	10.0	12.8	128	40 - 140
gamma-BHC [Lindane]	10.0	12.2	122	40 - 140
Heptachlor	10.0	11.9	119	40 - 140
Aldrin	10.0	12.6	126	40 - 140
Heptachlor Epoxide	10.0	13.2	132	40 - 140
Endosulfan I	10.0	11.3	113	40 - 140
Dieldrin	10.0	12.2	122	40 - 140
4,4'-DDE	10.0	12.4	124	40 - 140
Endrin	10.0	11.9	119	40 - 140
Endosulfan II	10.0	12.8	128	40 - 140
4,4'-DDD	10.0	11.9	119	40 - 140
Endosulfan sulfate	10.0	11.6	116	40 - 140
4,4'-DDT	10.0	11.0	110	40 - 140
Methoxychlor	10.0	12.8	128	40 - 140
Endrin ketone	10.0	14.9	149	40 - 140
Endrin aldehyde	10.0	13.6	136	40 - 140
alpha-Chlordane	10.0	13.1	131	40 - 140
gamma-Chlordane	10.0	12.8	128	40 - 140



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Client: BRINKERHOFF ENVIRONMENTAL
Project: 138th Street, Bronx, NY; 10BR188
Work Order: 1501878

Matrix:	Solid	Analysis Method:	EPA 8270
Prep Batch:	B5J2601	Prep Method:	EPA 3550B GCMS
Percent Solids:	87.00	Laboratory ID:	B5J2601-MS1
		Client Sample ID:	1501903-02

ANALYTE	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC.	QC LIMITS REC.
Pyridine	1920	ND	1400	73	20 - 160
N-Nitrosodimethylamine	1920	ND	1470	77	20 - 160
Aniline	1920	ND	1450	75	20 - 160
Phenol	1920	ND	1840	96	20 - 160
bis(2-chloroethyl)ether	1920	ND	1770	92	70 - 130
2-Chlorophenol	1920	ND	1680	88	70 - 130
1,3-Dichlorobenzene	1920	ND	1700	89	70 - 130
1,4-Dichlorobenzene	1920	ND	1700	89	70 - 130
Benzyl alcohol	1920	ND	1580	83	20 - 160
1,2-Dichlorobenzene	1920	ND	1690	88	70 - 130
2-Methylphenol	1920	ND	1620	85	20 - 160
bis(2-chloroisopropyl)ether	1920	ND	1930	100	70 - 130
3 & 4-Methylphenol	1920	ND	1500	78	20 - 160
N-Nitroso-di-n-propylamine	1920	ND	1470	77	70 - 130
Hexachloroethane	1920	ND	1360	71	20 - 160
Nitrobenzene	1920	ND	1640	86	70 - 130
Isophorone	1920	ND	1610	84	70 - 130
2-Nitrophenol	1920	ND	1640	86	70 - 130
2,4-Dimethylphenol	1920	ND	1670	87	70 - 130
bis(2-chloroethoxy)methane	1920	ND	1610	84	70 - 130
2,4-Dichlorophenol	1920	ND	1670	87	70 - 130
1,2,4-Trichlorobenzene	1920	ND	1620	85	70 - 130
Naphthalene	1920	ND	1660	87	70 - 130
4-Chloroaniline	1920	ND	564	29	20 - 160
Hexachlorobutadiene	1920	ND	1620	85	70 - 130
4-Chloro-3-methylphenol	1920	ND	1630	85	70 - 130
2-Methylnaphthylene	1920	ND	1640	86	70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Client: BRINKERHOFF ENVIRONMENTAL
 Project: 138th Street, Bronx, NY; 10BR188
 Work Order: 1501878

Matrix:	Solid	Analysis Method:	EPA 8270
Prep Batch:	B5J2601	Prep Method:	EPA 3650B GCMS
Percent Solids:	87.00	Laboratory ID:	B5J2601-MS1
		Client Sample ID:	1501903-02

ANALYTE	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC.	QC LIMITS REC.
Hexachlorocyclopentadiene	1920	ND	278	14 *	20 - 160
2,4,6-Trichlorophenol	1920	ND	1720	90	70 - 130
2,4,5-Trichlorophenol	1920	ND	1710	89	70 - 130
2-Chloronaphthalene	1920	ND	1580	82	70 - 130
2-Nitroaniline	1920	ND	1780	93	70 - 130
Dimethylphthalate	1920	ND	1700	89	70 - 130
Acenaphthylene	1920	70.5	1900	95	70 - 130
3-Nitroaniline	1920	ND	1350	70	70 - 130
Acenaphthene	1920	102	1840	91	70 - 130
2,4-Dinitrophenol	1920	ND	500	26	20 - 160
4-Nitrophenol	1920	ND	1720	90	20 - 160
Dibenzofuran	1920	43.7	1730	88	70 - 130
2,6-Dinitrotoluene	1920	ND	1680	88	70 - 130
2,4-Dinitrotoluene	1920	ND	1760	92	70 - 130
2,3,4,6-Tetrachlorophenol	1920	ND	1730	90	70 - 130
Diethyl phthalate	1920	ND	1670	87	70 - 130
4-Chlorophenyl-phenylether	1920	ND	1600	84	70 - 130
Fluorene	1920	112	1760	86	70 - 130
4-Nitroaniline	1920	ND	1700	89	70 - 130
4,6-Dinitro-2-methylphenol	1920	ND	546	28 *	70 - 130
Carbazole	1920	113	1930	95	70 - 130
N-Nitrosodiphenylamine	1920	ND	1630	85	20 - 160
Azobenzene	1920	ND	1970	103	70 - 130
4-Bromophenyl-phenylether	1920	ND	1640	86	70 - 130
Hexachlorobenzene	1920	ND	1600	84	70 - 130
Pentachlorophenol	1920	ND	1410	74	20 - 160
Phenanthrene	1920	1090	3280	114	70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Client: BRINKERHOFF ENVIRONMENTAL
Project: 138th Street, Bronx, NY; 10BR188
Work Order: 1501878

Matrix:	Solid	Analysis Method:	EPA 8270
Prep Batch:	B5J2601	Prep Method:	EPA 3550B GCMS
Percent Solids:	87.00	Laboratory ID:	B5J2601-MS1
		Client Sample ID:	1501903-02

ANALYTE	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC.	QC LIMITS REC.
Anthracene	1920	286	2130	96	70 - 130
Di-n-butyl phthalate	1920	38.7	1770	90	70 - 130
Fluoranthene	1920	1650	4290	138	* 70 - 130
Pyrene	1920	1760	5250	182	* 70 - 130
Butylbenzylphthalate	1920	39.5	2410	124	70 - 130
Benzo[a]anthracene	1920	859	3060	115	70 - 130
bis(2-ethylhexyl)phthalate	1920	105	2580	129	70 - 130
Chrysene	1920	1030	3290	118	70 - 130
Di-n-octyl phthalate	1920	ND	5610	293	* 70 - 130
Benzo[b]fluoranthene	1920	1050	4560	183	* 70 - 130
Benzo[k]fluoranthene	1920	630	3430	146	* 70 - 130
Benzo[a]pyrene	1920	819	3240	126	70 - 130
Indeno(1,2,3-cd)pyrene	1920	311	1140	43	* 70 - 130
Dibenzo(a,h)anthracene	1920	135	1000	45	* 70 - 130
Benzo[ghi]perylene	1920	301	990	36	* 70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike Dup

Client: BRINKERHOFF ENVIRONMENTAL
 Project: 138th Street, Bronx, NY; 10BR188
 Work Order: 1501878

Matrix:	Solid	Analysis Method:	EPA 8270
Prep Batch:	B5J2601	Prep Method:	EPA 3550B GCMS
Percent Solids:	87.00	Laboratory ID:	B5J2601-MSD1
		Client Sample ID:	1501903-02

ANALYTE	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
Pyridine	1920	1200	63	15	30	20 - 160
N-Nitrosodimethylamine	1920	1220	64	18	30	20 - 160
Aniline	1920	1080	56	29	30	20 - 160
Phenol	1920	1550	81	17	30	20 - 160
bis(2-chloroethyl)ether	1920	1520	79	15	30	70 - 130
2-Chlorophenol	1920	1420	74	16	30	70 - 130
1,3-Dichlorobenzene	1920	1420	74	18	30	70 - 130
1,4-Dichlorobenzene	1920	1410	74	19	30	70 - 130
Benzyl alcohol	1920	1300	68	19	30	20 - 160
1,2-Dichlorobenzene	1920	1390	73	19	30	70 - 130
2-Methylphenol	1920	1350	70	19	30	20 - 160
bis(2-chloroisopropyl)ether	1920	1620	84	17	30	70 - 130
3 & 4-Methylphenol	1920	1260	66	17	30	20 - 160
N-Nitroso-di-n-propylamine	1920	1300	68	12	30	70 - 130
Hexachloroethane	1920	1130	59	19	30	20 - 160
Nitrobenzene	1920	1360	71	18	30	70 - 130
Isophorone	1920	1340	70	18	30	70 - 130
2-Nitrophenol	1920	1310	69	22	30	70 - 130
2,4-Dimethylphenol	1920	1350	71	21	30	70 - 130
bis(2-chloroethoxy)methane	1920	1360	71	17	30	70 - 130
2,4-Dichlorophenol	1920	1380	72	19	30	70 - 130
1,2,4-Trichlorobenzene	1920	1340	70	19	30	70 - 130
Naphthalene	1920	1360	71	20	30	70 - 130
4-Chloroaniline	1920	341	18	49	30	20 - 160
Hexachlorobutadiene	1920	1310	68	21	30	70 - 130
4-Chloro-3-methylphenol	1920	1380	72	17	30	70 - 130
2-Methylnaphthylene	1920	1360	71	19	30	70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike Dup

Client: BRINKERHOFF ENVIRONMENTAL
Project: 138th Street, Bronx, NY; 10BR188
Work Order: 1501878

Matrix:	Solid	Analysis Method:	EPA 8270
Prep Batch:	B5J2601	Prep Method:	EPA 3550B GCMS
Percent Solids:	87.00	Laboratory ID:	B5J2601-MSD1
		Client Sample ID:	1501903-02

ANALYTE	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
Hexachlorocyclopentadiene	1920	227	12 *	20	30	20 - 160
2,4,6-Trichlorophenol	1920	1430	75	19	30	70 - 130
2,4,5-Trichlorophenol	1920	1410	74	19	30	70 - 130
2-Chloronaphthalene	1920	1300	68 *	20	30	70 - 130
2-Nitroaniline	1920	1470	77	19	30	70 - 130
Dimethylphthalate	1920	1430	75	17	30	70 - 130
Acenaphthylene	1920	1510	75	23	30	70 - 130
3-Nitroaniline	1920	1070	56 *	23	30	70 - 130
Acenaphthene	1920	1480	72	22	30	70 - 130
2,4-Dinitrophenol	1920	328	17 *	42 *	30	20 - 160
4-Nitrophenol	1920	1370	72	22	30	20 - 160
Dibenzofuran	1920	1400	71	21	30	70 - 130
2,6-Dinitrotoluene	1920	1380	72	20	30	70 - 130
2,4-Dinitrotoluene	1920	1420	74	21	30	70 - 130
2,3,4,6-Tetrachlorophenol	1920	1390	73	22	30	70 - 130
Diethyl phthalate	1920	1350	70	21	30	70 - 130
4-Chlorophenyl-phenylether	1920	1300	68 *	21	30	70 - 130
Fluorene	1920	1440	69 *	20	30	70 - 130
4-Nitroaniline	1920	1420	74	18	30	70 - 130
4,6-Dinitro-2-methylphenol	1920	200	10 *	93 *	30	70 - 130
Carbazole	1920	1540	74	23	30	70 - 130
N-Nitrosodiphenylamine	1920	1300	68	23	30	20 - 160
Azobenzene	1920	1580	82	22	30	70 - 130
4-Bromophenyl-phenylether	1920	1320	69 *	22	30	70 - 130
Hexachlorobenzene	1920	1290	67 *	22	30	70 - 130
Pentachlorophenol	1920	1120	58	23	30	20 - 160
Phenanthrene	1920	2540	76	26	30	70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike Dup

Client: BRINKERHOFF ENVIRONMENTAL
 Project: 138th Street, Bronx, NY; 10BR188
 Work Order: 1501878

Matrix:	Solid	Analysis Method:	EPA 8270
Prep Batch:	B5J2601	Prep Method:	EPA 3550B GCMS
Percent Solids:	87.00	Laboratory ID:	B5J2601-MSD1
		Client Sample ID:	1501903-02

ANALYTE	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
Anthracene	1920	1710	74	22	30	70 - 130
Di-n-butyl phthalate	1920	1450	74	20	30	70 - 130
Fluoranthene	1920	3180	80	30	30	70 - 130
Pyrene	1920	4340	135	19	30	70 - 130
Butylbenzylphthalate	1920	2140	110	12	30	70 - 130
Benzo[a]anthracene	1920	2340	77	27	30	70 - 130
bis(2-ethylhexyl)phthalate	1920	2280	114	12	30	70 - 130
Chrysene	1920	2500	77	27	30	70 - 130
Di-n-octyl phthalate	1920	5660	295	0.9	30	70 - 130
Benzo[b]fluoranthene	1920	3480	127	27	30	70 - 130
Benzo[k]fluoranthene	1920	2800	113	20	30	70 - 130
Benzo[a]pyrene	1920	2550	90	24	30	70 - 130
Indeno(1,2,3-cd)pyrene	1920	862	29	28	30	70 - 130
Dibenzo(a,h)anthracene	1920	829	36	19	30	70 - 130
Benzo[ghi]perylene	1920	753	24	27	30	70 - 130

* Values outside of QC limits



LCS / LCS DUPLICATE RECOVERY

EPA 8270

Client: **BRINKERHOFF ENVIRONMENTAL**
 Project: **138th Street, Bronx, NY; 10BR188**
 Work Order: **1501878**

Matrix:	Solid	Prep Method:	EPA 3550B GCMS
Prep Batch:	B5J2601	Lab Sample ID:	B5J2601-BS1

ANALYTE	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC.	QC LIMITS REC.
Pyridine	1670	1350	81	20 - 160
N-Nitrosodimethylamine	1670	1450	87	20 - 160
Aniline	1670	1360	82	20 - 160
Phenol	1670	1680	101	20 - 160
bis(2-chloroethyl)ether	1670	1610	97	70 - 130
2-Chlorophenol	1670	1540	93	70 - 130
1,3-Dichlorobenzene	1670	1480	89	70 - 130
1,4-Dichlorobenzene	1670	1480	89	70 - 130
Benzyl alcohol	1670	1470	88	20 - 160
1,2-Dichlorobenzene	1670	1470	88	70 - 130
2-Methylphenol	1670	1490	89	20 - 160
bis(2-chloroisopropyl)ether	1670	1800	108	70 - 130
3 & 4-Methylphenol	1670	1390	84	20 - 160
N-Nitroso-di-n-propylamine	1670	1450	87	70 - 130
Hexachloroethane	1670	1490	89	20 - 160
Nitrobenzene	1670	1500	90	70 - 130
Isophorone	1670	1530	92	70 - 130
2-Nitrophenol	1670	1530	92	70 - 130
2,4-Dimethylphenol	1670	1550	93	70 - 130
bis(2-chloroethoxy)methane	1670	1530	92	70 - 130
2,4-Dichlorophenol	1670	1480	89	70 - 130
1,2,4-Trichlorobenzene	1670	1420	85	70 - 130
Naphthalene	1670	1450	87	70 - 130
4-Chloroaniline	1670	648	39	70 - 130
Hexachlorobutadiene	1670	1400	84	70 - 130
4-Chloro-3-methylphenol	1670	1510	91	70 - 130
2-Methylnaphthylene	1670	1490	89	70 - 130
Hexachlorocyclopentadiene	1670	992	60	20 - 160



INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
 Work Order: 1501878
 Project: 138th Street, Bronx, NY; 10BR188
 Sequence: S5J2701

Instrument: GC/MS F
 Calibration: 15J2801

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
EP-1 (1501878-01)			<i>Lab File ID: F12091.D</i>		<i>Analyzed: 10/27/15 16:46</i>				
1,4-Dichlorobenzene-d4	92846	10.13	132956	10.14	70	50 - 200	-0.0100	+/-0.50	
Naphthalene-d8	413154	13.33	578816	13.35	71	50 - 200	-0.0200	+/-0.50	
Acenaphthene-d10	190288	17.85	288814	17.87	66	50 - 200	-0.0200	+/-0.50	
Phenanthrene-d10	350294	21.61	576836	21.64	61	50 - 200	-0.0300	+/-0.50	
Chrysene-d12	182195	28.43	430945	28.47	42	50 - 200	-0.0400	+/-0.50	*
Perylene-d12	130557	31.83	334455	31.87	39	50 - 200	-0.0400	+/-0.50	*

* Values outside of QC limits



INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8270

Client: **BRINKERHOFF ENVIRONMENTAL**
 Work Order: **1501878**
 Project: **138th Street, Bronx, NY; 10BR188**

Calibration: 15J2801	Instrument: GC/MS F
	Calibration Date: 10/14/2015 11:58:45AM

COMPOUND	Mean RF	RF RSD	LIMIT	Q
Naphthalene	1.046911	9.03924		
4-Chloroaniline	0.4698055	3.957397		
Hexachlorobutadiene	0.1760276	3.718634	CCC (20)	
Caprolactam	0.1626493	9.438644		
4-Chloro-3-methylphenol	0.3365877	3.635553	CCC (20)	
2-Methylnaphthylene	0.697018	10.32335		
1,2,4,5-Tetrachlorobenzene	0.7846604	3.175806		
Hexachlorocyclopentadiene	0.2698404	26.71039	SPCC (0.05)	
2,4,6-Trichlorophenol	0.4396401	4.809339	CCC (20)	
2,4,5-Trichlorophenol	0.4343777	8.465463		
2-Chloronaphthalene	1.273224	9.135137		
1,1-Biphenyl	1.901611	12.61078		
2-Nitroaniline	0.4465861	3.27539		
Dimethylphthalate	1.571915	10.43119		
Acenaphthylene	2.112104	11.76371		
3-Nitroaniline	0.4648623	4.743253		
Acenaphthene	1.258578	11.18945	CCC (20)	
2,4-Dinitrophenol	0.1670239	68.69134	SPCC (0.05)	
4-Nitrophenol	0.1289473	34.71536	SPCC (0.05)	
Dibenzofuran	1.850723	7.017351		
2,6-Dinitrotoluene	0.4220418	4.567939		
2,4-Dinitrotoluene	0.5799641	3.417658		
2,3,4,6-Tetrachlorophenol	0.3782584	6.204434		
Diethyl phthalate	1.650577	14.88571		
4-Chlorophenyl-phenylether	0.6605373	9.298071		



CONTINUING CALIBRATION VERIFICATION

EPA 8270

Client: **BRINKERHOFF ENVIRONMENTAL**
 Work Order: **1501878**
 Project: **138th Street, Bronx, NY; 10BR188**

Instrument ID: **GC/MS F**

Calibration: **15J2801**

Lab File ID: **F12094.D**

Calibration Date: **10/14/15 11:58**

Sequence: **S5J2814**

Injection Date: **10/28/15**

Lab Sample ID: **S5J2814-CCV1**

Injection Time: **10:56**

COMPOUND	TYPE	CONC. (mg/L)		RESPONSE FACTOR			% DIFF	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dichlorophenol	A	50.0	50.8	0.3034206	0.3084		1.6	20
1,2,4-Trichlorobenzene	A	50.0	48.8	0.3152609	0.3076188		-2.4	
Naphthalene	A	50.0	47.7	1.046911	0.9993418		-4.5	
4-Chloroaniline	A	50.0	51.1	0.4698055	0.4800003		2.2	
Hexachlorobutadiene	A	50.0	46.8	0.1760276	0.1646787		-6.4	20
Caprolactam	A	50.0	49.9	0.1626493	0.16233		-0.2	
4-Chloro-3-methylphenol	A	50.0	49.0	0.3365877	0.3295129		-2.1	20
2-Methylnaphthylene	A	50.0	47.3	0.697018	0.6597646		-5.3	
1,2,4,5-Tetrachlorobenzene	A	50.0	38.4	0.7846604	0.603195		-23.1	
Hexachlorocyclopentadiene	L	50.0	44.8	0.2698404	0.2957362	0.05	9.6	
2,4,6-Trichlorophenol	A	50.0	49.7	0.4396401	0.4366882		-0.7	20
2,4,5-Trichlorophenol	A	50.0	52.7	0.4343777	0.4580015		5.4	
2-Chloronaphthalene	A	50.0	46.5	1.273224	1.184093		-7.0	
1,1-Biphenyl	A	50.0	38.4	1.901611	1.462474		-23.1	
2-Nitroaniline	A	50.0	46.9	0.4465861	0.418539		-6.3	
Dimethylphthalate	A	50.0	48.7	1.571915	1.532248		-2.5	
Acenaphthylene	A	50.0	46.5	2.112104	1.965961		-6.9	
3-Nitroaniline	A	50.0	53.9	0.4648623	0.5012714		7.8	
Acenaphthene	A	50.0	47.2	1.258578	1.187022		-5.7	20
2,4-Dinitrophenol	L	50.0	43.6	0.1670239	0.2355458	0.05	41.0	
4-Nitrophenol	L	50.0	40.1	0.1289473	0.1318005	0.05	2.2	
Dibenzofuran	A	50.0	50.4	1.850723	1.863624		0.7	
2,6-Dinitrotoluene	A	50.0	50.7	0.4220418	0.427905		1.4	



ANALYSIS DATA SHEET

Blank

Client: BRINKERHOFF ENVIRONMENTAL
 Work Order: 1501878
 Project: 138th Street, Bronx, NY; 10BR188

Matrix:	Solid	Laboratory ID:	B5J2622-BLK1	File ID:	D12785.D
Batch:	B5J2622	Prepared:	10/26/15 10:59	Analyzed:	10/26/15 10:59
Column:	1	Preparation:	EPA 5035A	Dilution:	
		Sequence:	S5J2611	Instrument:	GC/MS D

CAS NO.	COMPOUND	CONC. (ug/kg wet)	MDL	RL	Q
107-02-8	Acrolein	ND	6.00	10.0	U
107-13-1	Acrylonitrile	ND	2.00	10.0	U
67-64-1	Acetone	2.37	1.00	2.00	
75-71-8	Dichlorodifluoromethane	ND	1.00	2.00	U
74-87-3	Chloromethane	ND	1.00	2.00	U
75-01-4	Vinyl chloride	ND	1.00	2.00	U
74-83-9	Bromomethane	ND	1.00	2.00	U
75-00-3	Chloroethane	ND	1.00	2.00	U
75-69-4	Trichlorofluoromethane	ND	1.00	2.00	U
75-35-4	1,1-Dichloroethene	ND	1.00	2.00	U
75-15-0	Carbon disulfide	ND	1.00	2.00	U
75-09-2	Methylene Chloride	4.39	1.00	2.00	
156-60-5	trans-1,2-Dichloroethene	ND	1.00	2.00	U
75-34-3	1,1-Dichloroethane	ND	1.00	2.00	U
108-05-4	Vinyl acetate	ND	1.00	2.00	U
590-20-7	2,2-Dichloropropane	ND	1.00	2.00	U
78-93-3	2-Butanone	ND	1.00	2.00	U
156-59-4	cis-1,2-Dichloroethene	ND	1.00	2.00	U
67-86-3	Chloroform	ND	1.00	2.00	U
74-97-5	Bromochloromethane	ND	1.00	2.00	U
71-55-6	1,1,1-Trichloroethane	ND	1.00	2.00	U
563-58-6	1,1-Dichloropropene	ND	1.00	2.00	U
56-23-5	Carbon Tetrachloride	ND	1.00	2.00	U
107-06-2	1,2-Dichloroethane	ND	1.00	2.00	U



ANALYSIS DATA SHEET

Blank

Client: **BRINKERHOFF ENVIRONMENTAL**
 Work Order: **1501878**
 Project: **138th Street, Bronx, NY; 10BR188**

Matrix:	Solid	Laboratory ID:	B5J2718-BLK1	File ID:	D12811.D
Batch:	B5J2718	Prepared:	10/27/15 13:28	Analyzed:	10/27/15 13:28
Column:	1	Preparation:	EPA 5035A	Dilution:	
		Sequence:	S5J2714	Instrument:	GC/MS D

CAS NO.	COMPOUND	CONC. (ug/kg wet)	MDL	RL	Q
107-02-8	Acrolein	ND	6.00	10.0	U
107-13-1	Acrylonitrile	ND	2.00	10.0	U
67-64-1	Acetone	2.33	1.00	2.00	
75-71-8	Dichlorodifluoromethane	ND	1.00	2.00	U
74-87-3	Chloromethane	ND	1.00	2.00	U
75-01-4	Vinyl chloride	ND	1.00	2.00	U
74-83-9	Bromomethane	ND	1.00	2.00	U
75-00-3	Chloroethane	ND	1.00	2.00	U
75-69-4	Trichlorofluoromethane	ND	1.00	2.00	U
75-35-4	1,1-Dichloroethene	ND	1.00	2.00	U
75-15-0	Carbon disulfide	ND	1.00	2.00	U
75-09-2	Methylene Chloride	ND	1.00	2.00	U
156-60-5	trans-1,2-Dichloroethene	ND	1.00	2.00	U
75-34-3	1,1-Dichloroethane	ND	1.00	2.00	U
108-05-4	Vinyl acetate	ND	1.00	2.00	U
590-20-7	2,2-Dichloropropane	ND	1.00	2.00	U
78-93-3	2-Butanone	ND	1.00	2.00	U
156-58-4	cis-1,2-Dichloroethene	ND	1.00	2.00	U
67-66-3	Chloroform	ND	1.00	2.00	U
74-97-5	Bromochloromethane	ND	1.00	2.00	U
71-55-6	1,1,1-Trichloroethane	ND	1.00	2.00	U
563-58-6	1,1-Dichloropropene	ND	1.00	2.00	U
56-23-5	Carbon Tetrachloride	ND	1.00	2.00	U
107-06-2	1,2-Dichloroethane	ND	1.00	2.00	U



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Client: **BRINKERHOFF ENVIRONMENTAL**
 Project: **138th Street, Bronx, NY; 10BR188**
 Work Order: **1501878**

Matrix:	Solid	Analysis Method:	EPA 8260
Prep Batch:	B5J2622	Prep Method:	EPA 5035A
Percent Solids:	93.00	Laboratory ID:	B5J2622-MS1
		Client Sample ID:	1501906-01

ANALYTE	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC.	QC LIMITS REC.
Acrolein	269	ND	286	107	40 - 160
Acrylonitrile	269	ND	301	112	70 - 130
Acetone	53.8	2.84	62.0	110	40 - 160
Dichlorodifluoromethane	53.8	ND	52.7	98	40 - 160
Chloromethane	53.8	ND	62.2	116	40 - 160
Vinyl chloride	53.8	ND	61.5	114	70 - 130
Bromomethane	53.8	ND	61.0	113	40 - 160
Chloroethane	53.8	ND	54.7	102	40 - 160
Trichlorofluoromethane	53.8	ND	57.5	107	40 - 160
Freon 113	53.8	ND	51.3	95	70 - 130
1,1-Dichloroethene	53.8	ND	60.7	113	70 - 130
Carbon disulfide	53.8	ND	60.2	112	70 - 130
Methyl Acetate	53.8	ND	66.8	124	70 - 130
Methylene Chloride	53.8	1.90	75.0	136	70 - 130
trans-1,2-Dichloroethene	53.8	ND	61.8	115	70 - 130
1,1-Dichloroethane	53.8	ND	63.1	117	70 - 130
2,2-Dichloropropane	53.8	ND	61.0	113	70 - 130
2-Butanone	53.8	ND	55.5	103	40 - 160
cis-1,2-Dichloroethene	53.8	ND	64.1	119	70 - 130
Chloroform	53.8	ND	60.2	112	70 - 130
Bromochloromethane	53.8	ND	60.9	113	70 - 130
Cyclohexane	53.8	ND	51.7	96	70 - 130
1,1,1-Trichloroethane	53.8	ND	59.9	111	70 - 130
t-Butyl alcohol	53.8	ND	62.5	116	40 - 160
1,1-Dichloropropene	53.8	ND	55.2	103	70 - 130
Carbon Tetrachloride	53.8	ND	53.2	99	70 - 130
1,2-Dichloroethane	53.8	ND	61.1	114	70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Client: BRINKERHOFF ENVIRONMENTAL
Project: 138th Street, Bronx, NY; 10BR188
Work Order: 1501878

Matrix:	Solid	Analysis Method:	EPA 8260
Prep Batch:	B5J2622	Prep Method:	EPA 5035A
Percent Solids:	93.00	Laboratory ID:	B5J2622-MS1
		Client Sample ID:	1501906-01

ANALYTE	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC.	QC LIMITS REC.
Benzene	53.8	ND	59.3	110	70 - 130
Trichloroethene	53.8	ND	60.8	113	70 - 130
Methylcyclohexane	53.8	ND	44.7	83	70 - 130
1,2-Dichloropropane	53.8	ND	61.7	115	70 - 130
Bromodichloromethane	53.8	ND	60.2	112	70 - 130
Dibromomethane	53.8	ND	60.2	112	70 - 130
2-Chloroethyl vinyl ether	53.8	ND	61.4	114	40 - 160
cis-1,3-Dichloropropene	53.8	ND	61.7	115	70 - 130
Toluene	53.8	ND	56.9	106	70 - 130
trans-1,3-Dichloropropene	53.8	ND	62.1	116	70 - 130
1,1,2-Trichloroethane	53.8	ND	64.0	119	70 - 130
4-Methyl-2-pentanone	53.8	ND	59.9	111	40 - 160
1,2-Dibromoethane	53.8	ND	62.7	117	70 - 130
2-Hexanone	53.8	ND	53.1	99	40 - 160
1,3-Dichloropropane	53.8	ND	63.2	118	70 - 130
Tetrachloroethene	53.8	ND	51.9	97	70 - 130
Dibromochloromethane	53.8	ND	59.9	111	70 - 130
Ethylbenzene	53.8	ND	55.7	104	70 - 130
Chlorobenzene	53.8	ND	56.4	105	70 - 130
1,1,1,2-Tetrachloroethane	53.8	ND	58.0	108	70 - 130
m,p-Xylenes	108	ND	111	103	70 - 130
o-Xylene	108	ND	107	99	70 - 130
Styrene	108	ND	105	98	70 - 130
Bromoform	53.8	ND	58.8	109	70 - 130
Isopropylbenzene	53.8	ND	56.1	104	70 - 130
1,1,2,2-Tetrachloroethane	53.8	ND	63.3	118	70 - 130
1,2,3-Trichloropropane	53.8	ND	67.2	125	70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Client: **BRINKERHOFF ENVIRONMENTAL**
 Project: **138th Street, Bronx, NY; 10BR188**
 Work Order: **1501878**

Matrix:	Solid	Analysis Method:	EPA 8260
Prep Batch:	B5J2622	Prep Method:	EPA 5035A
Percent Solids:	93.00	Laboratory ID:	B5J2622-MS1
		Client Sample ID:	1501906-01

ANALYTE	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC.	QC LIMITS REC.
n-Propyl Benzene	53.8	ND	57.3	107	70 - 130
Bromobenzene	53.8	ND	59.9	111	70 - 130
1,3,5-Trimethylbenzene	53.8	ND	55.8	104	70 - 130
2-Chlorotoluene	53.8	ND	58.4	109	70 - 130
4-Chlorotoluene	53.8	ND	57.4	107	70 - 130
tert-Butylbenzene	53.8	ND	55.4	103	70 - 130
1,2,4-Trimethylbenzene	53.8	ND	55.7	104	70 - 130
sec-Butylbenzene	53.8	ND	52.8	98	70 - 130
p-Isopropyltoluene	53.8	ND	54.1	101	70 - 130
1,3-Dichlorobenzene	53.8	ND	54.8	102	70 - 130
1,4-Dichlorobenzene	53.8	ND	54.8	102	70 - 130
n-Butyl Benzene	53.8	ND	53.5	99	70 - 130
1,2-Dichlorobenzene	53.8	ND	56.3	105	70 - 130
1,2-Dibromo-3-chloropropane	53.8	ND	61.8	115	40 - 160
1,2,4-Trichlorobenzene	53.8	ND	48.8	91	70 - 130
Hexachlorobutadiene	53.8	ND	40.7	76	70 - 130
Naphthalene	53.8	ND	56.1	104	40 - 160
1,2,3-Trichlorobenzene	53.8	ND	48.8	91	70 - 130
Methyl tert-Butyl Ether	108	ND	119	110	70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike Dup

Client: BRINKERHOFF ENVIRONMENTAL
 Project: 138th Street, Bronx, NY; 10BR188
 Work Order: 1501878

Matrix:	Solid	Analysis Method:	EPA 8260
Prep Batch:	B5J2622	Prep Method:	EPA 5035A
Percent Solids:	93.00	Laboratory ID:	B5J2622-MSD1
		Client Sample ID:	1501906-01

ANALYTE	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
Acrolein	269	240	89	18	30	40 - 160
Acrylonitrile	269	312	116	3	30	70 - 130
Acetone	53.8	66.6	119	7	30	40 - 160
Dichlorodifluoromethane	53.8	53.3	99	1	30	40 - 160
Chloromethane	53.8	61.7	115	0.8	30	40 - 160
Vinyl chloride	53.8	61.4	114	0.2	30	70 - 130
Bromomethane	53.8	61.8	115	1	30	40 - 160
Chloroethane	53.8	52.5	98	4	30	40 - 160
Trichlorofluoromethane	53.8	57.3	107	0.3	30	40 - 160
Freon 113	53.8	50.4	94	2	30	70 - 130
1,1-Dichloroethene	53.8	62.0	115	2	30	70 - 130
Carbon disulfide	53.8	59.5	111	1	30	70 - 130
Methyl Acetate	53.8	75.0	139 *	12	30	70 - 130
Methylene Chloride	53.8	79.3	144 *	6	30	70 - 130
trans-1,2-Dichloroethene	53.8	62.9	117	2	30	70 - 130
1,1-Dichloroethane	53.8	64.1	119	2	30	70 - 130
2,2-Dichloropropane	53.8	61.5	114	0.8	30	70 - 130
2-Butanone	53.8	61.2	114	10	30	40 - 160
cis-1,2-Dichloroethene	53.8	64.7	120	1	30	70 - 130
Chloroform	53.8	61.3	114	2	30	70 - 130
Bromochloromethane	53.8	65.8	122	8	30	70 - 130
Cyclohexane	53.8	50.0	93	3	30	70 - 130
1,1,1-Trichloroethane	53.8	60.1	112	0.4	30	70 - 130
t-Butyl alcohol	538	702	131	12	30	40 - 160
1,1-Dichloropropene	53.8	54.2	101	2	30	70 - 130
Carbon Tetrachloride	53.8	52.8	98	0.7	30	70 - 130
1,2-Dichloroethane	53.8	62.5	116	2	30	70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike Dup

Client: BRINKERHOFF ENVIRONMENTAL
Project: 138th Street, Bronx, NY; 10BR188
Work Order: 1501878

Matrix:	Solid	Analysis Method:	EPA 8260
Prep Batch:	B5J2622	Prep Method:	EPA 5035A
Percent Solids:	93.00	Laboratory ID:	B5J2622-MSD1
		Client Sample ID:	1501906-01

ANALYTE	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
Benzene	53.8	60.2	112	2	30	70 - 130
Trichloroethene	53.8	67.2	125	10	30	70 - 130
Methylcyclohexane	53.8	41.9	78	6	30	70 - 130
1,2-Dichloropropane	53.8	63.7	118	3	30	70 - 130
Bromodichloromethane	53.8	60.3	112	0.2	30	70 - 130
Dibromomethane	53.8	63.0	117	5	30	70 - 130
2-Chloroethyl vinyl ether	53.8	64.7	120	5	30	40 - 160
cis-1,3-Dichloropropene	53.8	62.8	117	2	30	70 - 130
Toluene	53.8	56.7	105	0.3	30	70 - 130
trans-1,3-Dichloropropene	53.8	64.3	120	3	30	70 - 130
1,1,2-Trichloroethane	53.8	66.2	123	3	30	70 - 130
4-Methyl-2-pentanone	53.8	64.5	120	7	30	40 - 160
1,2-Dibromoethane	53.8	65.6	122	5	30	70 - 130
2-Hexanone	53.8	57.9	108	9	30	40 - 160
1,3-Dichloropropane	53.8	66.7	124	5	30	70 - 130
Tetrachloroethene	53.8	50.7	94	2	30	70 - 130
Dibromochloromethane	53.8	63.3	118	5	30	70 - 130
Ethylbenzene	53.8	54.9	102	1	30	70 - 130
Chlorobenzene	53.8	55.8	104	1	30	70 - 130
1,1,1,2-Tetrachloroethane	53.8	59.0	110	2	30	70 - 130
m,p-Xylenes	108	108	101	3	30	70 - 130
o-Xylene	108	105	98	1	30	70 - 130
Styrene	108	101	94	3	30	70 - 130
Bromoform	53.8	58.6	109	0.4	30	70 - 130
Isopropylbenzene	53.8	58.2	108	4	30	70 - 130
1,1,1,2-Tetrachloroethane	53.8	61.3	114	3	30	70 - 130
1,2,3-Trichloropropane	53.8	78.6	146*	16	30	70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike Dup

Client: BRINKERHOFF ENVIRONMENTAL
 Project: 138th Street, Bronx, NY; 10BR188
 Work Order: 1501878

Matrix:	Solid	Analysis Method:	EPA 8260
Prep Batch:	B5J2622	Prep Method:	EPA 5035A
Percent Solids:	93.00	Laboratory ID:	B5J2622-MSD1
		Client Sample ID:	1501906-01

ANALYTE	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
n-Propyl Benzene	53.8	57.8	108	1	30	70 - 130
Bromobenzene	53.8	63.3	118	5	30	70 - 130
1,3,5-Trimethylbenzene	53.8	56.9	106	2	30	70 - 130
2-Chlorotoluene	53.8	59.9	111	3	30	70 - 130
4-Chlorotoluene	53.8	58.3	108	2	30	70 - 130
tert-Butylbenzene	53.8	55.8	104	0.7	30	70 - 130
1,2,4-Trimethylbenzene	53.8	57.0	106	2	30	70 - 130
sec-Butylbenzene	53.8	51.5	96	2	30	70 - 130
p-Isopropyltoluene	53.8	53.8	100	0.5	30	70 - 130
1,3-Dichlorobenzene	53.8	54.9	102	0.2	30	70 - 130
1,4-Dichlorobenzene	53.8	54.6	102	0.4	30	70 - 130
n-Butyl Benzene	53.8	51.4	96	4	30	70 - 130
1,2-Dichlorobenzene	53.8	57.4	107	2	30	70 - 130
1,2-Dibromo-3-chloropropane	53.8	70.7	132	13	30	40 - 160
1,2,4-Trichlorobenzene	53.8	45.8	85	6	30	70 - 130
Hexachlorobutadiene	53.8	36.1	67 *	12	30	70 - 130
Naphthalene	53.8	55.6	103	1	30	40 - 160
1,2,3-Trichlorobenzene	53.8	44.4	83	9	30	70 - 130
Methyl tert-Butyl Ether	108	139	130	16	30	70 - 130

* Values outside of QC limits



LCS / LCS DUPLICATE RECOVERY

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Project: 138th Street, Bronx, NY; 10BR188
Work Order: 1501878

Matrix:	Solid	Prep Method:	EPA 5035A
Prep Batch:	B5J2622	Lab Sample ID:	B5J2622-BS1

ANALYTE	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC.	QC LIMITS REC.
Acrolein	250	274	110	40 - 160
Acrylonitrile	250	281	112	70 - 130
Acetone	50.0	47.2	94	40 - 160
Dichlorodifluoromethane	50.0	52.6	105	40 - 160
Chloromethane	50.0	57.8	116	40 - 160
Vinyl chloride	50.0	58.8	118	70 - 130
Bromomethane	50.0	54.7	109	40 - 160
Chloroethane	50.0	51.8	104	40 - 160
Trichlorofluoromethane	50.0	53.0	106	40 - 160
Freon 113	50.0	50.0	100	70 - 130
1,1-Dichloroethene	50.0	59.3	119	70 - 130
Carbon disulfide	50.0	62.2	124	70 - 130
Methyl Acetate	50.0	52.2	104	70 - 130
Methylene Chloride	50.0	66.5	133 *	70 - 130
trans-1,2-Dichloroethene	50.0	60.7	121	70 - 130
1,1-Dichloroethane	50.0	58.6	117	70 - 130
2,2-Dichloropropane	50.0	57.0	114	70 - 130
2-Butanone	50.0	47.9	96	40 - 160
cis-1,2-Dichloroethene	50.0	58.6	117	70 - 130
Chloroform	50.0	53.0	106	70 - 130
Bromochloromethane	50.0	54.6	109	70 - 130
Cyclohexane	50.0	52.0	104	70 - 130
1,1,1-Trichloroethane	50.0	57.4	115	70 - 130
t-Butyl alcohol	500	547	109	40 - 160
1,1-Dichloropropene	50.0	53.9	108	70 - 130
Carbon Tetrachloride	50.0	52.7	105	70 - 130
1,2-Dichloroethane	50.0	54.9	110	70 - 130
Benzene	50.0	56.3	113	70 - 130



LCS / LCS DUPLICATE RECOVERY

EPA 8260

Client: **BRINKERHOFF ENVIRONMENTAL**
 Project: **138th Street, Bronx, NY; 10BR188**
 Work Order: **1501878**

Matrix:	Solid	Prep Method:	EPA 5035A
Prep Batch:	B5J2718	Lab Sample ID:	B5J2718-BS1

ANALYTE	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC.	QC LIMITS REC.
Acrolein	250	291	116	40 - 160
Acrylonitrile	250	281	112	70 - 130
Acetone	50.0	37.0	74	40 - 160
Dichlorodifluoromethane	50.0	47.2	94	40 - 160
Chloromethane	50.0	55.3	111	40 - 160
Vinyl chloride	50.0	58.8	118	70 - 130
Bromomethane	50.0	57.5	115	40 - 160
Chloroethane	50.0	56.7	113	40 - 160
Trichlorofluoromethane	50.0	56.3	113	40 - 160
Freon 113	50.0	53.8	108	70 - 130
1,1-Dichloroethene	50.0	63.0	126	70 - 130
Carbon disulfide	50.0	62.3	125	70 - 130
Methyl Acetate	50.0	56.0	112	70 - 130
Methylene Chloride	50.0	69.1	138 *	70 - 130
trans-1,2-Dichloroethene	50.0	63.4	127	70 - 130
1,1-Dichloroethane	50.0	63.5	127	70 - 130
2,2-Dichloropropane	50.0	59.7	119	70 - 130
2-Butanone	50.0	53.3	107	40 - 160
cis-1,2-Dichloroethene	50.0	64.0	128	70 - 130
Chloroform	50.0	57.9	116	70 - 130
Bromochloromethane	50.0	57.8	116	70 - 130
Cyclohexane	50.0	54.7	109	70 - 130
1,1,1-Trichloroethane	50.0	59.4	119	70 - 130
t-Butyl alcohol	500	592	118	40 - 160
1,1-Dichloropropene	50.0	54.6	109	70 - 130
Carbon Tetrachloride	50.0	52.2	104	70 - 130
1,2-Dichloroethane	50.0	56.7	113	70 - 130
Benzene	50.0	57.0	114	70 - 130



INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
 Work Order: 1501878
 Project: 138th Street, Bronx, NY; 10BR188
 Sequence: S5J2611

Instrument: GC/MS D
 Calibration: 15J2804

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
EP-1 (1501878-01)			<i>Lab File ID: D12793.D</i>		<i>Analyzed: 10/26/15 15:22</i>				
Pentafluorobenzene	426386	6.44	899797	6.44	47	50 - 200	0.0000	+/-0.50	*
1,4-Difluorobenzene	741877	7.14	1569163	7.14	47	50 - 200	0.0000	+/-0.50	*
Chlorobenzene-d5	518051	11.19	1254965	11.18	41	50 - 200	0.0100	+/-0.50	*
1,4-Dichlorobenzene-d4	176622	14.19	553332	14.19	32	50 - 200	0.0000	+/-0.50	*
EP-2 (1501878-02)			<i>Lab File ID: D12794.D</i>		<i>Analyzed: 10/26/15 15:52</i>				
Pentafluorobenzene	589837	6.44	899797	6.44	66	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	1063776	7.15	1569163	7.14	68	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	768401	11.19	1254965	11.18	61	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	266680	14.19	553332	14.19	48	50 - 200	0.0000	+/-0.50	
EP-3 (1501878-03)			<i>Lab File ID: D12795.D</i>		<i>Analyzed: 10/26/15 16:22</i>				
Pentafluorobenzene	478101	6.44	899797	6.44	53	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	841280	7.15	1569163	7.14	54	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	581194	11.19	1254965	11.18	46	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	187459	14.19	553332	14.19	34	50 - 200	0.0000	+/-0.50	
EP-4 (1501878-04)			<i>Lab File ID: D12796.D</i>		<i>Analyzed: 10/26/15 16:51</i>				
Pentafluorobenzene	496090	6.44	899797	6.44	55	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	908278	7.13	1569163	7.14	58	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	642830	11.18	1254965	11.18	51	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	212743	14.19	553332	14.19	38	50 - 200	0.0000	+/-0.50	
EP-5 (1501878-05)			<i>Lab File ID: D12797.D</i>		<i>Analyzed: 10/26/15 17:22</i>				
Pentafluorobenzene	474329	6.44	899797	6.44	53	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	833616	7.14	1569163	7.14	53	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	552015	11.19	1254965	11.18	44	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	190610	14.19	553332	14.19	34	50 - 200	0.0000	+/-0.50	

All comp'd 5/14/15
 comp'd 6/1-8/2 5/14/15
 comp'd 6/1-8/2 5/14/15
 comp'd 6/1-8/2 5/14/15
 comp'd 4/9-8/2 5/14/15



INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
 Work Order: 1501878
 Project: 138th Street, Bronx, NY; 10BR188
 Sequence: S5J2714

Instrument: GC/MS D
 Calibration: 15J2804

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
EP-1 (1501878-01RE1)			<i>Lab File ID: D12820.D</i>		<i>Analyzed: 10/27/15 18:23</i>				
Pentafluorobenzene	475431	6.44	827579	6.43	57	50 - 200	0.0100	+/-0.50	
1,4-Difluorobenzene	851738	7.14	1476809	7.13	58	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	607708	11.18	1198510	11.18	51	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	207689	14.18	494191	14.18	42	50 - 200	0.0000	+/-0.50	*
EP-2 (1501878-02RE1)			<i>Lab File ID: D12821.D</i>		<i>Analyzed: 10/27/15 18:53</i>				
Pentafluorobenzene	512009	6.44	827579	6.43	62	50 - 200	0.0100	+/-0.50	
1,4-Difluorobenzene	971345	7.14	1476809	7.13	66	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	697777	11.18	1198510	11.18	58	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	235649	14.18	494191	14.18	48	50 - 200	0.0000	+/-0.50	*
EP-3 (1501878-03RE1)			<i>Lab File ID: D12822.D</i>		<i>Analyzed: 10/27/15 19:22</i>				
Pentafluorobenzene	397527	6.44	827579	6.43	48	50 - 200	0.0100	+/-0.50	*
1,4-Difluorobenzene	726514	7.14	1476809	7.13	49	50 - 200	0.0100	+/-0.50	*
Chlorobenzene-d5	502486	11.18	1198510	11.18	42	50 - 200	0.0000	+/-0.50	*
1,4-Dichlorobenzene-d4	154677	14.19	494191	14.18	31	50 - 200	0.0100	+/-0.50	*
EP-4 (1501878-04RE1)			<i>Lab File ID: D12823.D</i>		<i>Analyzed: 10/27/15 19:53</i>				
Pentafluorobenzene	469513	6.44	827579	6.43	57	50 - 200	0.0100	+/-0.50	
1,4-Difluorobenzene	841091	7.14	1476809	7.13	57	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	626668	11.18	1198510	11.18	52	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	221596	14.19	494191	14.18	45	50 - 200	0.0100	+/-0.50	*
EP-5 (1501878-05RE1)			<i>Lab File ID: D12824.D</i>		<i>Analyzed: 10/27/15 20:23</i>				
Pentafluorobenzene	457901	6.44	827579	6.43	55	50 - 200	0.0100	+/-0.50	
1,4-Difluorobenzene	789128	7.14	1476809	7.13	53	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	412793	11.18	1198510	11.18	34	50 - 200	0.0000	+/-0.50	*
1,4-Dichlorobenzene-d4	134275	14.19	494191	14.18	27	50 - 200	0.0100	+/-0.50	*



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Client: BRINKERHOFF ENVIRONMENTAL
 Work Order: 1501878
 Project: 138th Street, Bronx, NY; 10BR188

Matrix:	Solid	Analysis:	EPA 6010
Batch:	B5J2620	Preparation:	EPA 3050B
% Solids:	93.00	Laboratory ID:	B5J2620-MS1
		Client Sample ID:	1501906-03

ANALYTE	SPIKE ADDED (mg/kg dry)	SAMPLE CONCENTRATION (mg/kg dry)	MS CONCENTRATION (mg/kg dry)	MS % REC.	QC LIMITS REC.
Aluminum	269	7650	11500	*	1430 * A 75 - 125
Antimony	269	ND	243		90.3 75 - 125
Arsenic	269	6.96	263		95.1 75 - 125
Barium	269	79.9	331		93.5 75 - 125
Beryllium	269	ND	251		93.3 75 - 125
Cadmium	269	0.862	246		91.2 75 - 125
Calcium	269	8020	7160	*	-318 * A 75 - 125
Chromium	269	13.5	263		93.0 75 - 125
Cobalt	269	5.47	242		87.8 75 - 125
Copper	269	49.3	306		95.5 75 - 125
Iron	269	14900	17900	*	1110 * A 75 - 125
Lead	269	105	340		87.5 75 - 125
Magnesium	269	2270	2820	*	206 * A 75 - 125
Manganese	269	493	580	*	32.5 * 75 - 125 'J'
Nickel	269	10.6	247		87.8 75 - 125
Potassium	269	597	1460	*	321 * 75 - 125 'R'
Selenium	269	ND	235		87.4 75 - 125
Silver	26.9	ND	23.2		86.4 75 - 125
Sodium	269	138	428		108 75 - 125
Thallium	269	ND	219		81.6 75 - 125
Vanadium	269	18.6	275		95.3 75 - 125
Zinc	269	132	377		91.0 75 - 125

* spiked too low



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike Dup

Client: **BRINKERHOFF ENVIRONMENTAL**
 Work Order: **1501878**
 Project: **138th Street, Bronx, NY; 10BR188**

Matrix:	Solid	Analysis:	EPA 6010
Batch:	B5J2620	Preparation:	EPA 3050B
% Solids:	93.00	Laboratory ID:	B5J2620-MSD1
		Client Sample ID:	1501906-03

ANALYTE	SPIKE ADDED (mg/kg dry)	MSD CONCENTRATION (mg/kg dry)	MSD % REC. #	%	QC LIMITS	
					RPD	REC.
Aluminum	269	11200	1340	* A 2.27	20	75 - 125
Antimony	269	241	89.6	0.800	20	75 - 125
Arsenic	269	260	94.2	0.967	20	75 - 125
Barium	269	324	90.7	2.23	20	75 - 125
Beryllium	269	249	92.7	0.624	20	75 - 125
Cadmium	269	245	90.9	0.329	20	75 - 125
Calcium	269	6520	-558	* * 9.43	20	75 - 125
Chromium	269	259	91.5	1.54	20	75 - 125
Cobalt	269	240	87.4	0.469	20	75 - 125
Copper	269	303	94.4	1.02	20	75 - 125
Iron	269	16100	454	* * 10.3	20	75 - 125
Lead	269	331	84.3	2.60	20	75 - 125
Magnesium	269	2810	203	* * 0.248	20	75 - 125
Manganese	269	592	36.9	* 2.02	20	75 - 125
Nickel	269	246	87.7	0.196	20	75 - 125
Potassium	269	1400	299	* 4.25	20	75 - 125
Selenium	269	234	86.9	0.574	20	75 - 125
Silver	26.9	23.1	86.1	0.394	20	75 - 125
Sodium	269	441	113	2.99	20	75 - 125
Thallium	269	219	81.5	0.172	20	75 - 125
Vanadium	269	275	95.4	0.0391	20	75 - 125
Zinc	269	369	88.1	2.07	20	75 - 125

* spiked too low

* Values outside of QC limits

Appendix C

Validator Qualifications

MICHAEL K. PERRY
Chemist/Data Validator

B.S. Chemistry, Georgia State University, Atlanta, GA

A.A.S., Chemical Technology, Alfred State College, Alfred, NY

Mr. Perry has over 30 years of experience in the analytical laboratory business. During his early career, he spent several years as a laboratory analyst performing the analysis of soil, water, and air samples for inorganic and organic chemical parameters. During his last 20 years in the environmental laboratory business, he managed and directed two major analytical laboratories in Rochester, NY. His management responsibilities included oversight of the daily operations of the lab, staff training and supervision, the selection, purchase, and maintenance of analytical instruments, the introduction of new laboratory methods, analytical quality assurance and quality control, data acquisition and management, and other business-related activities.

Mr. Perry has an extensive working knowledge of the methods and procedures used for sampling and analyzing both inorganic and organic analytes in soil, water, and air. He is an accomplished laboratory chemist and is familiar with the analytical methods and procedures established under the USEPA Contract Laboratory Protocols (CLP), the NYSDEC Analytical Services Protocols (ASP), and the NYSDOH Environmental Laboratory Approval Program (ELAP).

KENNETH R. APPLIN
Geochemist/Data Validator

Ph.D., Geochemistry and Mineralogy, The Pennsylvania State University

M.S., Geochemistry and Mineralogy, The Pennsylvania State University

B.A., Geological Sciences, SUNY at Geneseo, NY

Dr. Applin has over 35 years of experience working with the geochemistry of natural waters. His prior experience includes working as an Assistant Professor of Geology at the University of Missouri-Columbia and as Chief Hydrogeologist and Geochemist with a leading engineering firm in Rochester, NY. In 1993, he established KR Applin and Associates, a small consulting business that focuses on the geochemistry of natural waters, especially as applied to problems involving the contamination of groundwater and surface water.

Dr. Applin is also an experienced analytical data validator and has provided data validation services since 1994 to a variety of clients performing brownfield cleanup projects, hazardous waste remediation, groundwater monitoring at solid waste facilities, and other projects requiring third-party data validation. Dr. Applin has several years of hands-on experience with the laboratory analysis of natural waters and has successfully completed the USEPA Region II certification courses for performing inorganic and organic analytical data validation.

DATA USABILITY SUMMARY REPORT (DUSR)

**Former G & C Services
255 East 138th Street
Block 2333, Lot 1
Bronx, Bronx County, NY
NYSDEC BCP # C203057**

SDG: 1501909
3 Soil Samples

Prepared for:

**Brinkerhoff Environmental Services, Inc.
1805 Atlantic Avenue
Manasquan, NJ 08736**

December 2015



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REVIEWER'S NARRATIVE
SDG 1501909

The data associated with this Sample Delivery Group (SDG) 1501909, analyzed by Accredited Analytical Resources, LLC, Carteret, NJ have been reviewed in accordance with assessment criteria provided by the New York State Department of Environmental Conservation following the review procedures provided in the USEPA Functional Guidelines for evaluating organic and inorganic data.

All analytical results reported by the laboratory are considered valid and acceptable except results that have been qualified as rejected, "R". Results qualified as estimated "J", or as non-detects, "U", are considered usable for the purpose of evaluating water and/or soil quality. However, these qualifiers indicate that the accuracy and/or precision of the analytical result is questionable. A summary of all data that have been qualified and the reasons for qualification are provided in the following data usability summary report (DUSR).

Two facts should be noted by all data users. First, the "R" qualifier means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the analyte is present or not. Values qualified with an "R" should not appear on the final data tables because they cannot be relied upon, even as the last resort. Second, no analyte concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error.

Reviewer's Signature: Michael K. Perry Date: 12/12/15
Michael K. Perry
Chemist

1.0 SUMMARY

SITE: 255 East 138th Street.
Bronx , NY

SAMPLING DATE: October 22-23, 2015

SAMPLE TYPE: 3 soil samples

LABORATORY: Accredited Analytical Resources, LLC.
Carteret, NJ

SDG No.: 1501909

2.0 INTRODUCTION

This data usability summary report (DUSR) was prepared in accordance with guidance provided by the New York State Department of Environmental Conservation (NYSDEC). The DUSR is based on a review and evaluation of the laboratory analytical data package. Specifically, the NYSDEC guidance recommends review and evaluation of the following elements of the data package:

- Completeness of the data package as defined under the requirements of the NYSDEC Analytical Services Protocols (ASP) Category B or the United States Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) deliverables,
- Compliance with established analyte holding times,
- Adherence to quality control (QC) limits and specifications for blanks, instrument tuning and calibration, surrogate recoveries, spike recoveries, laboratory duplicate analyses, and other QC criteria,
- Adherence to established analytical protocols,
- Conformance of data summary sheets with raw analytical data, and
- Use of correct data qualifiers.

Data deficiencies, analytical protocol deviations, and quality control problems identified using the review criteria above and their effect on the analytical results are discussed in this report.

3.0 SAMPLE AND ANALYSIS SUMMARY

The data package consists of analytical results for three soil samples collected on October 22-23, 2015. These samples were analyzed for volatile organic compounds, semi-volatile organic compounds, pesticides, polychlorinated biphenyls (PCBs), TAL metals, and total cyanide.

All laboratory analyses were performed by Accredited Analytical Resources, LLC., Carteret, NJ and analyzed as SDG 1501909. The analytical results were provided in NYSDEC ASP Category B format, which includes all raw analytical data and laboratory QC data.

4.0 GUIDANCE DOCUMENTS AND DATA REVIEW CRITERIA

The guidance documents used for reviewing laboratory quality control (QC) data and assigning data qualifiers (flags) to analytical results are listed in Table 4-1. The QC limits established in the documents applicable to this data review were used to assess the quality of the analytical results. In some cases, however, QC limits established internally by the laboratory were taken into account to determine data quality.

The QC criteria considered for assessing the usability of the reported analytical results provided for each analyte type (i.e. VOCs, SVOCs, metals, etc.) are listed in Table 4-2. These criteria may vary with the analytical method utilized by the laboratory. These criteria comply with the guidance recommended in Section 2.0 above.

5.0 DATA VALIDATION QUALIFIERS

The letter qualifiers (flags) used to define data usability are described briefly below. These letters are assigned by the data validator to analytical results having questionable accuracy and/or precision as determined by reviewing the laboratory QC data associated with the analytical results.

TABLE 4-1**DATA VALIDATION GUIDANCE DOCUMENTS**

Analyte Type	Validation Guidance
VOCs	USEPA, 2008, Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry; SW-846 Method 8260B; SOP # HW-24, Rev. 2. USEPA, 2008, Statement of Work for Organic Analysis of Low/Medium Concentration of Volatile Organic Compounds SOM01.2; SOP HW-33, Rev. 2.
SVOCs	USEPA, 2007, Statement of Work for Organic Analysis of Low/Medium Concentration of Semivolatile Organic Compounds SOM01.2; SOP HW-35, Rev. 1.
Pesticides/PCBs	USEPA, 2006, CLP Organics Data Review and Preliminary Review (CLP/SOW OLMO 4.3); SOP # HW-6, Rev. 14, Part C.
Metals	USEPA, 2006, Validation of Metals for the Contract Laboratory Program (CLP) based on SOW ILMO 5.3 (SOP Revision 13), SOP # HW-2, Rev. 13.
Gen Chemistry	NYSDEC, 2005, Analytical Services Protocols (ASP)
VOCs (Ambient air)	USEPA, 2006, Validating Air Samples, Volatile Organic Analysis of Ambient Air in Canister by Method TO-15; SOP # HW-31, Rev. 4.

TABLE 4-2

**QUALITY CONTROL CRITERIA USED FOR VALIDATING
LABORATORY ANALYTICAL DATA**

VOCs	SVOCs	Pesticides/PCBs	Metals	Gen Chemistry	Method TO-15
Completeness of Pkg Sample Condition Holding Time System Monitoring Compounds Lab Control Sample Matrix Spikes Blanks Instrument Tuning Internal Standards Initial Calibration Continuing Calibration Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Time Surrogate Recoveries Lab Control Sample Matrix Spikes Blanks Instrument Tuning Internal Standards Initial Calibration Continuing Calibration Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Time Surrogate Recoveries Matrix Spikes Blanks Instrument Calibration & Verification Analyte ID Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Time Initial/Continuing Calibration CRDL Standards Blanks Interference Check Sample Spike Recoveries Lab Duplicate Lab Control Sample ICP Serial Dilutions Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Times Calibration Lab Control Samples Blanks Spike Recoveries Lab Duplicates	Completeness of Pkg Sample Condition Holding Time Canister Certification Lab Control Sample Instrument Tuning Blanks Initial Calibration & System Performance Daily Calibration Field Duplicate

The laboratory may also use various letters and symbols to flag analytical results generated when QC limits were exceeded. The meanings of these flags may differ from those used by the independent data validator. Those used by the laboratory are provided with the analytical results.

NOTE: The assignment of data qualifiers by the data reviewer (validator) to laboratory analytical results should not necessarily be interpreted by the data user as a measure of laboratory ability or proficiency. Rather, the qualifiers are intended to provide a measure of data accuracy and precision to the data user, which, for example, may provide a level of confidence in determining whether or not standards or cleanup objectives have been met.

- U** The analyte was analyzed for but was not detected at or above the sample quantitation limit.
- J** The analyte was positively identified; the associated numerical value is the *approximate* concentration of the analyte in the sample. (The magnitude of any \pm value associated with the result is not determined by data validation).
- UJ** The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is *approximate* and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R** The sample result is rejected (i.e., is unusable) due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
- N** The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
- JN** The analyte is considered to be "presumptively present." The associated numerical value represents its *approximate* concentration.

The validated analytical results are attached to this report. Validation qualifiers (flags) are indicated using red ink. Data sheets having qualified data are signed and dated by the data reviewer.

6.0 RESULTS OF THE DATA REVIEW

The results of the data review are summarized in Tables 6-1 through 6-6. The tables list the samples where QC criteria were found to exceed acceptable limits and the actions taken to qualify the associated analytical results.

7.0 TOTAL USABLE DATA

For SDG 1501909, three samples were analyzed and results were reported for 564 analytes. Fifty-four results were rejected. Even though some results were flagged with a "J" as estimated, all other results (91 %) are considered usable. See the summary table for the analyses that have been rejected and the associated QC reasons.

Table 6-1 VOCs

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
All samples	Several compounds	none	MS/MSD > QC limit	Matrix interference suspected/LCS within QC limits
All samples	Methylene Chloride	J detects	LCS > QC limit	Detected results are estimated
All samples	Acetone Methylene Chloride	B	Method Blank contamination	Sample results up to 10X blank level have been flagged with a "B". Common lab contaminants.
EP-6(1501909-01)	All analytes	J detects/UJ non-detects	% BFB < QC limit	All results are estimated.
EP-6(1501909-01) EP-8(1501909-03)	All analytes	J detects/UJ non-detects	IS#1,2,3, and 4 <50 % QC limit	Results are estimated except listed below which have been rejected.
EP-8(1501909-03)	Isopropylbenzene 1,1,2,2-Tetrchloroethane 1,2,3-Trichloropropane n-Propylbenzene Bromobenzene 1,3,5-Trimethylbenzene 2-Chlorotoluene 4-Chlorotoluene tert-Butylbenzene 1,2,4-Trimethylbenzene sec-Butylbenzene p-Isopropylbenzene 1,2,4-Trichlorobenzene 1,2-Dibromo-3-chloropropane	J detects/R non-detects	IS# 4 <25 % QC limit	Twenty results are rejected.

SDG1501909

	1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene Naphthalene n-Butylbenzene Hexachlorobutadiene			
EP-6(1501909-01)	All analytes listed above plus: 2-Hexanone 1,3-Dichloropropane Tetrachloroethene Dibromochloromethane Ethylbenzene Chlorobenzene 1,1,1,2-Tetrachloroethane m,p-Xylene o-Xylene Styrene Bromoform	J detects/R non-detects	IS# 3 and 4 < 25 % QC limit	Thirty-one results are rejected.

Table 6-2 SVOCs

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
All samples	Several compounds	none	MS/MSD > QC limit	Matrix interference suspected/LCS within QC limits
All samples	Several compounds	none	MS/MSD < QC limit	Matrix interference suspected/LCS within QC limits
All samples	4-Chloroaniline	"UJ"	LCS < QC limit	All samples non-detect

Table 6-3 Pesticides

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

Table 6-4 PCBs

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

Table 6-5 TAL Metals

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
All samples	Potassium	R all data	% Recovery > 200 %	Three results are rejected.
All samples	Manganese	J detects/UJ non-detects	% Recovery < QC limit	All results are estimated.

SDG1501909

Table 6-6 Total Cyanide

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

ACRONYMS

CCAL	Continuing Calibration
CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification
CRDL	Contract Required Detection Limit
CRQL	Contract Required Quantitation Limit
%D	Percent Difference
ICAL	Initial Calibration
ICB	Initial Calibration Blank
IS	Internal Standard
LCS	Laboratory Control Sample
MS/MSD	Matrix Spike/Matrix Spike Duplicate
QA	Quality Assurance
QC	Quality Control
%R	Percent recovery
RPD	Relative Percent Difference
%RSD	Percent Relative Standard Deviation
TAL	Target Analyte List (metals)
TCL	Target Compound List (organics)

Appendix A

***Validated
Analytical
Results***



Accredited Analytical Resources, LLC.

05 November 2015

AAR Work Order: 1501909

Doug Harm

BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.

Manasquan, NJ 08736

Project: 138th Street, Bronx, NY; 10BR188

Enclosed are the results of analyses for samples received by the laboratory on 10/23/2015 14:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Daniel Miguel

Technical Director

New Jersey Certification Number: 12007
New York Certification Number: 11109
Pennsylvania Certification Number: 68-02799

This report shall not be reproduced, except in its entirety, without the written consent of Accredited Analytical Resources, LLC.
The test results included in this report relate only to the samples analyzed.



Case Narrative

Conformance / Non-Conformance Summary

Accredited Analytical Resources, LLC received 3 sample(s) from BRINKERHOFF ENVIRONMENTAL (Project: 138th Street, Bronx, NY; 10BR188) on 10/23/2015 2:30:00 PM.

All analyses were performed within the required holding time.

In the Volatile Organic analyses, the laboratory control sample (LCS) and/or laboratory control sample duplicate (LCSD) for Batch B5J2622 and B5J2718 recovered outside control limits for certain analytes. These analytes were outside DKQP limits, but within the house limits; therefore, the data has been reported.

In the Volatile Organic analyses, the MS/MSD for Batch B5J2622 and B5J2718 had compounds recovered outside acceptance criteria due to matrix interference, the LCS's were recovered within acceptance limits; therefore, no further action required.

In the Volatile Organic analyses, one surrogate (Bromofluorobenzene) for AAR Sample #1501909-01 was out of criteria. The sample was reanalyzed and the surrogate was again recovered out of the required criteria. The methylene chloride result reported for all samples is due to laboratory contamination.

In the BNA analyses, the laboratory control sample (LCS) and/or laboratory control sample duplicate (LCSD) for Batch B5J2601 recovered outside control limits for certain analytes. These analytes were outside DKQP limits, but within the house limits; therefore, the data has been reported.

In the BNA analyses, the MS/MSD for Batch B5J2601 had compounds recovered outside acceptance limits due to matrix interference, the LCS was recovered within acceptance limits; therefore, no further action required.

In the Metals analysis the recoveries of the MS/MSD were outside of acceptance criteria. The QC sample had concentrations too high to be able to determine a spike concentration. The LCS was within acceptance criteria for those metals out in the MS/MSD. The results are included in this data package.

Except for the parameters tested AAR makes no representation as to the fitness or quality of the sample (s) taken.

"The laboratory has reviewed the quality assurance and quality control measurements for the sample analyses.

Daniel Miguel
Technical Director



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/05/2015 14:18

Analytical Report for Samples

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EP-6	1501909-01	Soil	10/22/2015 13:57	10/23/2015 14:30
EP-7	1501909-02	Soil	10/22/2015 14:08	10/23/2015 14:30
EP-8	1501909-03	Soil	10/23/2015 08:15	10/23/2015 14:30

Notes and Definitions

- U Analyte included in the analysis, but not detected
- J Indicates estimated value for TICs and all results when detected below the RL
- E Concentration exceeds calibration range
- B Indicates compound found in associated blank
- ND Indicates compound analyzed for but not detected
- U Indicates compound analyzed for but not detected
- dry Sample results reported on a dry weight basis
- RL Reporting Limit
- MDL Method Detection Limit

Accredited Analytical Resources LLC

Daniel Miguel, Technical Director

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.



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harza

Reported:
11/05/2015 14:18

Methodology Summary

EPA Method SW846 8081/8082:

NJ 8081A/8082
NY 8081B/8082A

Semivolatile Organic Compounds EPA Method SW846 8270:

NJ 8270C
NY 8270D

Total Mercury by SW846 7471:

NJ EPA 7471A
NY EPA 7471B

Total Metals by EPA Method SW846 6010:

NJ 6010B
NY 6010C

Volatile Organic Compounds EPA Method SW846 8260:

NJ 8260B
NY 8260C

Wet Chemistry:

Total Cyanide by EPA 9010C & EPA 9014
Percent Solids by SM 2540 G

Accredited Analytical Resources LLC

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.

Daniel Miguel, Technical Director



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188

Project Manager: Doug Harm

Reported:

11/05/2015 14:18

Condition of Samples on Receipt

Temperature °C	4.00
Chain of Custody Filled Out Properly	Yes
Proper Containers and Volumes	Yes
Received Within Holding Time	Yes
Samples Received with Correct Preservation	Yes
Samples Received On Ice	Yes
Sample Received Via Field Services	Yes
Samples Hand Delivered	No

Accredited Analytical Resources LLC

Daniel Miguel, Technical Director

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.



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/05/2015 14:18

Client ID: EP-6

Lab ID: 1501909-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
-------	---------	--------	-----	----	-------	----------	---------------	------------------	--------	-------

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

Sample Prepared by Method: EPA 5035A

107-02-8	Acrolein	ND <i>WS</i>	16.7	27.9	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
107-13-1	Acrylonitrile	ND <i>J</i>	5.57	27.9	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
67-64-1	Acetone	108 <i>J</i>	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	B
75-71-8	Dichlorodifluoromethane	ND <i>WS</i>	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
74-87-3	Chloromethane	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
75-01-4	Vinyl chloride	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
74-83-9	Bromomethane	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
75-00-3	Chloroethane	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
75-69-4	Trichlorofluoromethane	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
75-35-4	1,1-Dichloroethene	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
75-15-0	Carbon disulfide	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
75-09-2	Methylene Chloride	26.0 <i>JB</i>	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	B
156-60-5	trans-1,2-Dichloroethene	ND <i>WS</i>	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
75-34-3	1,1-Dichloroethane	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
108-05-4	Vinyl acetate	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
590-20-7	2,2-Dichloropropane	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
78-93-3	2-Butanone	22.5 <i>J</i>	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
156-59-4	cis-1,2-Dichloroethene	ND <i>WS</i>	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
67-66-3	Chloroform	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
74-97-5	Bromochloromethane	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
71-55-6	1,1,1-Trichloroethane	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
563-58-6	1,1-Dichloropropene	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
56-23-5	Carbon Tetrachloride	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
107-06-2	1,2-Dichloroethane	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
71-43-2	Benzene	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
79-01-6	Trichloroethene	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
78-87-5	1,2-Dichloropropane	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

MAX 12/10/15



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/05/2015 14:18

Client ID: EP-6

Lab ID: 1501909-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
Accredited Analytical Resources LLC										
Volatile Organic Compounds EPA Method SW846 8260										
75-27-4	Bromodichloromethane	ND WS	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
74-95-3	Dibromomethane	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
110-75-8	2-Chloroethyl vinyl ether	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
10061-01-5	cis-1,3-Dichloropropene	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
108-88-3	Toluene	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
10061-02-6	trans-1,3-Dichloropropene	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
79-00-5	1,1,2-Trichloroethane	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
108-10-1	4-Methyl-2-pentanone	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
106-93-4	1,2-Dibromoethane	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
591-78-6	2-Hexanone	ND R	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
142-28-9	1,3-Dichloropropane	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
127-18-4	Tetrachloroethene	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
124-48-1	Dibromochloromethane	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
100-41-4	Ethylbenzene	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
108-90-7	Chlorobenzene	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
108-38-3/106-4	m,p-Xylenes	ND	5.57	11.1	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
95-47-6	o-Xylene	ND	5.57	11.1	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
100-42-5	Styrene	ND	2.79	11.1	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
75-25-2	Bromoform	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
98-82-8	Isopropylbenzene	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
96-18-4	1,2,3-Trichloropropane	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
103-65-1	n-Propyl Benzene	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
108-86-1	Bromobenzene	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
95-49-8	2-Chlorotoluene	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
106-43-4	4-Chlorotoluene	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
98-06-6	tert-Butylbenzene	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

MSRP 12/11/15



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/05/2015 14:18

Client ID: EP-6

Lab ID: 1501909-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

95-63-6	1,2,4-Trimethylbenzene	ND R	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
135-98-8	sec-Butylbenzene	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
99-87-6	p-Isopropyltoluene	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
541-73-1	1,3-Dichlorobenzene	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
106-46-7	1,4-Dichlorobenzene	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
104-51-8	n-Butyl Benzene	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
95-50-1	1,2-Dichlorobenzene	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
87-68-3	Hexachlorobutadiene	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U

Surrogate: 1,2-Dichloroethane-d4

118 % 70-130 10/26/15 17:52 10/26/15 17:52/SG EPA 8260

Surrogate: Toluene-d8

93 % 70-130 10/26/15 17:52 10/26/15 17:52/SG EPA 8260

Surrogate: Bromofluorobenzene

56 % 70-130 * 10/26/15 17:52 10/26/15 17:52/SG EPA 8260

Semivolatile Organic Compounds EPA Method SW846 8270

Sample Prepared by Method: EPA 3550B GCMS

62-75-9	N-Nitrosodimethylamine	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
108-95-2	Phenol	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
111-44-4	bis(2-chloroethyl)ether	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
95-57-8	2-Chlorophenol	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
541-73-1	1,3-Dichlorobenzene	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
106-46-7	1,4-Dichlorobenzene	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
100-51-6	Benzyl alcohol	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
95-50-1	1,2-Dichlorobenzene	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
95-48-7	2-Methylphenol	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
106-44-5	3 & 4-Methylphenol	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
621-64-7	N-Nitroso-di-n-propylamine	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

MMP 12/14/15



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/05/2015 14:18

Client ID: EP-6

Lab ID: 1501909-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

67-72-1	Hexachloroethane	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
98-95-3	Nitrobenzene	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
78-59-1	Isophorone	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
88-75-5	2-Nitrophenol	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
105-67-9	2,4-Dimethylphenol	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
65-85-0	Benzoic acid	ND	173	694	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
111-91-1	bis(2-chloroethoxy)methane	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
120-83-2	2,4-Dichlorophenol	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
120-82-1	1,2,4-Trichlorobenzene	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
91-20-3	Naphthalene	159	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	J
106-47-8	4-Chloroaniline	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
87-68-3	Hexachlorobutadiene	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
59-50-7	4-Chloro-3-methylphenol	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
91-57-6	2-Methylnaphthylene	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
77-47-4	Hexachlorocyclopentadiene	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
88-06-2	2,4,6-Trichlorophenol	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
95-95-4	2,4,5-Trichlorophenol	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
91-58-7	2-Chloronaphthalene	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
88-74-4	2-Nitroaniline	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
131-11-3	Dimethylphthalate	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
208-96-8	Acenaphthylene	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
99-09-2	3-Nitroaniline	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
83-32-9	Acenaphthene	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
51-28-5	2,4-Dinitrophenol	ND	69.4	694	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
100-02-7	4-Nitrophenol	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
132-64-9	Dibenzofuran	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
606-20-2	2,6-Dinitrotoluene	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
121-14-2	2,4-Dinitrotoluene	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

MSP 12/11/15



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/05/2015 14:18

Client ID: EP-6

Lab ID: 1501909-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

84-66-2	Diethyl phthalate	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
7005-72-3	4-Chlorophenyl-phenylether	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
86-73-7	Fluorene	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
100-01-6	4-Nitroaniline	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
86-30-6	N-Nitrosodiphenylamine	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
101-55-3	4-Bromophenyl-phenylether	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
118-74-1	Hexachlorobenzene	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
87-86-5	Pentachlorophenol	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
85-01-8	Phenanthrene	89.6	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	J
120-12-7	Anthracene	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
84-74-2	Di-n-butyl phthalate	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
206-44-0	Fluoranthene	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
129-00-0	Pyrene	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
85-68-7	Butylbenzylphthalate	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
91-94-1	3,3'-Dichlorobenzidine	ND	173	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
56-55-3	Benzo[a]anthracene	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
117-81-7	bis(2-ethylhexyl)phthalate	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
218-01-9	Chrysene	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
117-84-0	Di-n-octyl phthalate	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
205-99-2	Benzo[b]fluoranthene	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
207-08-9	Benzo[k]fluoranthene	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
50-32-8	Benzo[a]pyrene	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
53-70-3	Dibenzo(a,h)anthracene	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
191-24-2	Benzo[ghi]perylene	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U

Surrogate: 2-Fluorophenol

61 % 30-130 10/26/15 06:03 10/27/15 19:08/JMM EPA 8270

Surrogate: Phenol-d5

77 % 30-130 10/26/15 06:03 10/27/15 19:08/JMM EPA 8270

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/05/2015 14:18

Client ID: EP-6

Lab ID: 1501909-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

Surrogate: Nitrobenzene-d5		70 %		30-130			10/26/15 06:03	10/27/15 19:08/JMD	EPA 8270	
Surrogate: 2-Fluorobiphenyl		67 %		30-130			10/26/15 06:03	10/27/15 19:08/JMD	EPA 8270	
Surrogate: 2,4,6-Tribromophenol		75 %		30-130			10/26/15 06:03	10/27/15 19:08/JMD	EPA 8270	
Surrogate: Terphenyl-d14		85 %		30-130			10/26/15 06:03	10/27/15 19:08/JMD	EPA 8270	

EPA Method SW846 8081/8082

Sample Prepared by Method: EPA 3550B

319-84-6	alpha-BHC	ND	1.38	1.38	ug/kg dry	1	10/27/15 09:15	10/27/15 16:24/JAM	EPA 8081/8082	U
319-85-7	beta-BHC	ND	1.38	1.38	ug/kg dry	1	10/27/15 09:15	10/27/15 16:24/JAM	EPA 8081/8082	U
319-86-8	delta-BHC	ND	1.38	1.38	ug/kg dry	1	10/27/15 09:15	10/27/15 16:24/JAM	EPA 8081/8082	U
58-89-9	gamma-BHC [Lindane]	ND	1.38	1.38	ug/kg dry	1	10/27/15 09:15	10/27/15 16:24/JAM	EPA 8081/8082	U
76-44-8	Heptachlor	ND	1.38	1.38	ug/kg dry	1	10/27/15 09:15	10/27/15 16:24/JAM	EPA 8081/8082	U
309-00-2	Aldrin	ND	1.38	1.38	ug/kg dry	1	10/27/15 09:15	10/27/15 16:24/JAM	EPA 8081/8082	U
1024-57-3	Heptachlor Epoxide	ND	1.38	1.38	ug/kg dry	1	10/27/15 09:15	10/27/15 16:24/JAM	EPA 8081/8082	U
959-98-8	Endosulfan I	ND	1.38	1.38	ug/kg dry	1	10/27/15 09:15	10/27/15 16:24/JAM	EPA 8081/8082	U
60-57-1	Dieldrin	ND	2.77	2.77	ug/kg dry	1	10/27/15 09:15	10/27/15 16:24/JAM	EPA 8081/8082	U
72-55-9	4,4'-DDE	ND	2.77	2.77	ug/kg dry	1	10/27/15 09:15	10/27/15 16:24/JAM	EPA 8081/8082	U
72-20-8	Endrin	ND	2.77	2.77	ug/kg dry	1	10/27/15 09:15	10/27/15 16:24/JAM	EPA 8081/8082	U
33213-65-9	Endosulfan II	ND	2.77	2.77	ug/kg dry	1	10/27/15 09:15	10/27/15 16:24/JAM	EPA 8081/8082	U
72-54-8	4,4'-DDD	ND	2.77	2.77	ug/kg dry	1	10/27/15 09:15	10/27/15 16:24/JAM	EPA 8081/8082	U
1031-07-8	Endosulfan sulfate	ND	2.77	2.77	ug/kg dry	1	10/27/15 09:15	10/27/15 16:24/JAM	EPA 8081/8082	U
50-29-3	4,4'-DDT	ND	2.77	2.77	ug/kg dry	1	10/27/15 09:15	10/27/15 16:24/JAM	EPA 8081/8082	U
72-43-5	Methoxychlor	ND	13.9	13.9	ug/kg dry	1	10/27/15 09:15	10/27/15 16:24/JAM	EPA 8081/8082	U
53494-70-5	Endrin ketone	ND	2.77	2.77	ug/kg dry	1	10/27/15 09:15	10/27/15 16:24/JAM	EPA 8081/8082	U
7421-93-4	Endrin aldehyde	ND	2.77	2.77	ug/kg dry	1	10/27/15 09:15	10/27/15 16:24/JAM	EPA 8081/8082	U
5103-71-9	alpha-Chlordane	ND	1.38	1.38	ug/kg dry	1	10/27/15 09:15	10/27/15 16:24/JAM	EPA 8081/8082	U
5566-34-7	gamma-Chlordane	ND	1.38	1.38	ug/kg dry	1	10/27/15 09:15	10/27/15 16:24/JAM	EPA 8081/8082	U
8001-35-2	Toxaphene	ND	69.4	69.4	ug/kg dry	1	10/27/15 09:15	10/27/15 16:24/JAM	EPA 8081/8082	U
12674-11-2	Aroclor-1016	ND	34.6	69.4	ug/kg dry	1	10/27/15 09:15	10/27/15 16:24/JAM	EPA 8081/8082	U

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Daniel Miguel, Technical Director



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/05/2015 14:18

Client ID: EP-6

Lab ID: 1501909-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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EPA Method SW846 8081/8082

11104-28-2	Aroclor-1221	ND	34.6	69.4	ug/kg dry	1	10/27/15 09:15	10/27/15 16:24/JAM	EPA 8081/8082	U
11141-16-5	Aroclor-1232	ND	34.6	69.4	ug/kg dry	1	10/27/15 09:15	10/27/15 16:24/JAM	EPA 8081/8082	U
53469-21-9	Aroclor-1242	ND	34.6	69.4	ug/kg dry	1	10/27/15 09:15	10/27/15 16:24/JAM	EPA 8081/8082	U
12672-29-6	Aroclor-1248	ND	34.6	69.4	ug/kg dry	1	10/27/15 09:15	10/27/15 16:24/JAM	EPA 8081/8082	U
11097-69-1	Aroclor-1254	ND	34.6	69.4	ug/kg dry	1	10/27/15 09:15	10/27/15 16:24/JAM	EPA 8081/8082	U
11096-82-5	Aroclor-1260	ND	34.6	69.4	ug/kg dry	1	10/27/15 09:15	10/27/15 16:24/JAM	EPA 8081/8082	U
37324-23-5	Aroclor-1262	ND	34.6	69.4	ug/kg dry	1	10/27/15 09:15	10/27/15 16:24/JAM	EPA 8081/8082	U
11100-14-4	Aroclor-1268	ND	34.6	69.4	ug/kg dry	1	10/27/15 09:15	10/27/15 16:24/JAM	EPA 8081/8082	U
<i>Surrogate: Tetrachloro-m-xylene</i>				68.5 %	30-150		10/27/15 09:15	10/27/15 16:24/JAM	EPA 8081/8082	
<i>Surrogate: Tetrachloro-m-xylene</i>				70.5 %	30-150		10/27/15 09:15	10/27/15 16:24/JAM	EPA 8081/8082	
<i>Surrogate: Decachlorobiphenyl</i>				74.2 %	30-150		10/27/15 09:15	10/27/15 16:24/JAM	EPA 8081/8082	
<i>Surrogate: Decachlorobiphenyl</i>				78.6 %	30-150		10/27/15 09:15	10/27/15 16:24/JAM	EPA 8081/8082	

Total Metals by EPA Method SW846 6010

Sample Prepared by Method: EPA 3050B

7429-90-5	Aluminum	8930	41.7	41.7	mg/kg dry	1	10/26/15 09:32	10/26/15 15:05/LIT	EPA 6010	
7440-36-0	Antimony	ND	8.33	8.33	mg/kg dry	1	10/26/15 09:32	10/26/15 15:05/LIT	EPA 6010	U
7440-38-2	Arsenic	2.34	2.08	2.08	ug/kg dry	1	10/26/15 09:32	10/26/15 15:05/LIT	EPA 6010	
7440-39-3	Barium	96.6	41.7	41.7	mg/kg dry	1	10/26/15 09:32	10/26/15 15:05/LIT	EPA 6010	
7440-41-7	Beryllium	ND	1.04	1.04	mg/kg dry	1	10/26/15 09:32	10/26/15 15:05/LIT	EPA 6010	U
7440-43-9	Cadmium	ND	1.04	1.04	mg/kg dry	1	10/26/15 09:32	10/26/15 15:05/LIT	EPA 6010	U
7440-70-2	Calcium	8470	52.1	52.1	mg/kg dry	1	10/26/15 09:32	10/26/15 15:05/LIT	EPA 6010	
7440-47-3	Chromium	17.0	4.17	4.17	mg/kg dry	1	10/26/15 09:32	10/26/15 15:05/LIT	EPA 6010	
7440-48-4	Cobalt	ND	10.4	10.4	mg/kg dry	1	10/26/15 09:32	10/26/15 15:05/LIT	EPA 6010	U
7440-50-8	Copper	48.8	6.25	6.25	ug/kg dry	1	10/26/15 09:32	10/26/15 15:05/LIT	EPA 6010	
7439-89-6	Iron	11200	52.1	52.1	mg/kg dry	1	10/26/15 09:32	10/26/15 15:05/LIT	EPA 6010	
7439-92-1	Lead	12.5	2.08	2.08	mg/kg dry	1	10/26/15 09:32	10/26/15 15:05/LIT	EPA 6010	
7439-95-4	Magnesium	6300	104	104	mg/kg dry	1	10/26/15 09:32	10/26/15 15:05/LIT	EPA 6010	

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Daniel Miguel, Technical Director



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/05/2015 14:18

Client ID: EP-6

Lab ID: 1501909-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Total Metals by EPA Method SW846 6010

7439-96-5	Manganese	169 J	4.17	4.17	mg/kg dry	1	10/26/15 09:32	10/26/15 15:05/LIT	EPA 6010	
7440-02-0	Nickel	15.9	8.33	8.33	mg/kg dry	1	10/26/15 09:32	10/26/15 15:05/LIT	EPA 6010	
7440-09-7	Potassium	149 R	104	104	mg/kg dry	1	10/26/15 09:32	10/26/15 15:05/LIT	EPA 6010	
7782-49-2	Selenium	ND	8.33	8.33	mg/kg dry	1	10/26/15 09:32	10/26/15 15:05/LIT	EPA 6010	U
7440-22-4	Silver	ND	1.04	1.04	mg/kg dry	1	10/26/15 09:32	10/26/15 15:05/LIT	EPA 6010	U
7440-23-5	Sodium	1030	104	104	mg/kg dry	1	10/26/15 09:32	10/26/15 15:05/LIT	EPA 6010	
7440-28-0	Thallium	ND	3.12	6.25	mg/kg dry	1	10/26/15 09:32	10/26/15 15:05/LIT	EPA 6010	U
7440-62-2	Vanadium	21.5	10.4	10.4	mg/kg dry	1	10/26/15 09:32	10/26/15 15:05/LIT	EPA 6010	
7440-66-6	Zinc	59.6	12.5	12.5	mg/kg dry	1	10/26/15 09:32	10/26/15 15:05/LIT	EPA 6010	

Total Mercury by SW846 7471

Sample Prepared by Method: EPA 7471 A

7439-97-6	Mercury	ND	0.156	0.156	mg/kg dry	1	10/26/15 08:59	10/26/15 14:25/PRF	EPA 7471	
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Wet Chemistry

Sample Prepared by Method: EPA 9010 C

NA	Cyanide (total)	ND	2.08	2.08	mg/kg dry	1	10/28/15 08:43	10/28/15 13:49/NNM	EPA 9014	
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Sample Prepared by Method: Percent Solids

NA	Percent Solids	48.8	0.100	0.100	%	1	10/26/15 09:10	10/26/15 15:17/HTW	SM 2540 G	
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Daniel Miguel, Technical Director

MPD 12/11/15



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/05/2015 14:18

Client ID: EP-6

Lab ID: 1501969-01RE1 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Volatile Organic Compounds EPA Method SW846 8260

Sample Prepared by Method: EPA 5035A

107-02-8	Acrolein	ND \checkmark	17.7	29.4	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
107-13-1	Acrylonitrile	ND \checkmark	5.89	29.4	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
67-64-1	Acetone	109 \checkmark	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	B
75-71-8	Dichlorodifluoromethane	ND \checkmark	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
74-87-3	Chloromethane	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
75-01-4	Vinyl chloride	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
74-83-9	Bromomethane	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
75-00-3	Chloroethane	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
75-69-4	Trichlorofluoromethane	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
75-35-4	1,1-Dichloroethene	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
75-15-0	Carbon disulfide	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
75-09-2	Methylene Chloride	22.4 \checkmark	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	
156-60-5	trans-1,2-Dichloroethene	ND \checkmark	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
75-34-3	1,1-Dichloroethane	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
108-05-4	Vinyl acetate	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
590-20-7	2,2-Dichloropropane	ND \checkmark	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
78-93-3	2-Butanone	21.6 \checkmark	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	
156-59-4	cis-1,2-Dichloroethene	ND \checkmark	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
67-66-3	Chloroform	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
74-97-5	Bromochloromethane	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
71-55-6	1,1,1-Trichloroethane	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
563-58-6	1,1-Dichloropropene	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
56-23-5	Carbon Tetrachloride	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
107-06-2	1,2-Dichloroethane	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
71-43-2	Benzene	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
79-01-6	Trichloroethene	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
78-87-5	1,2-Dichloropropane	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U

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map 12/10/15



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/05/2015 14:18

Client ID: EP-6

Lab ID: 1501909-01RE1 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Volatile Organic Compounds EPA Method SW846 8260

75-27-4	Bromodichloromethane	ND ^U	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
74-95-3	Dibromomethane	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
110-75-8	2-Chloroethyl vinyl ether	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
10061-01-5	cis-1,3-Dichloropropene	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
108-88-3	Toluene	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
10061-02-6	trans-1,3-Dichloropropene	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
79-00-5	1,1,2-Trichloroethane	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
108-10-1	4-Methyl-2-pentanone	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
106-93-4	1,2-Dibromoethane	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
591-78-6	2-Hexanone	ND ^R	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
142-28-9	1,3-Dichloropropane	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
127-18-4	Tetrachloroethene	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
124-48-1	Dibromochloromethane	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
100-41-4	Ethylbenzene	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
108-90-7	Chlorobenzene	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
108-38-3/106-4	m,p-Xylenes	ND	5.89	11.8	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
95-47-6	o-Xylene	ND	5.89	11.8	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
100-42-5	Styrene	ND	2.94	11.8	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
75-25-2	Bromoform	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
98-82-8	Isopropylbenzene	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
96-18-4	1,2,3-Trichloropropane	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
103-65-1	n-Propyl Benzene	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
108-86-1	Bromobenzene	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
108-67-8	1,3,5-Trimeitylbenzene	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
95-49-8	2-Chlorotoluene	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
106-43-4	4-Chlorotoluene	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
98-06-6	tert-Butylbenzene	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U

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1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/05/2015 14:18

Client ID: EP-6

Lab ID: 1501909-01RE1 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

95-63-6	1,2,4-Trimethylbenzene	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
135-98-8	sec-Butylbenzene	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
99-87-6	p-Isopropyltoluene	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
541-73-1	1,3-Dichlorobenzene	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
106-46-7	1,4-Dichlorobenzene	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
104-51-8	n-Butyl Benzene	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
95-50-1	1,2-Dichlorobenzene	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
87-68-3	Hexachlorobutadiene	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U

Surrogate: 1,2-Dichloroethane-d4

110 % 70-130 10/27/15 20:53 10/27/15 20:53/SG EPA 8260

Surrogate: Toluene-d8

96 % 70-130 10/27/15 20:53 10/27/15 20:53/SG EPA 8260

Surrogate: Bromofluorobenzene

51 % 70-130 * 10/27/15 20:53 10/27/15 20:53/SG EPA 8260

Accredited Analytical Resources LLC

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.

12/11/15

Daniel Miguel, Technical Director



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/05/2015 14:18

Client ID: EP-7

Lab ID: 1501909-02 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

Sample Prepared by Method: EPA 5035A

107-02-8	Acrolein	ND	7.79	13.0	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
107-13-1	Acrylonitrile	ND	2.60	13.0	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
67-64-1	Acetone	97.8	1.30	2.60	ng/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	B
75-71-8	Dichlorodifluoromethane	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
74-87-3	Chloromethane	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
75-01-4	Vinyl chloride	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
74-83-9	Bromomethane	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
75-00-3	Chloroethane	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
75-69-4	Trichlorofluoromethane	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
75-35-4	1,1-Dichloroethene	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
75-15-0	Carbon disulfide	1.99	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	J
75-09-2	Methylene Chloride	6.88 JB	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	B
156-60-5	trans-1,2-Dichloroethene	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
75-34-3	1,1-Dichloroethane	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
108-05-4	Vinyl acetate	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
590-20-7	2,2-Dichloropropane	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
78-93-3	2-Butanone	16.1	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	
156-59-4	cis-1,2-Dichloroethene	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
67-66-3	Chloroform	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
74-97-5	Bromo-chloromethane	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
71-55-6	1,1,1-Trichloroethane	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
563-58-6	1,1-Dichloropropene	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
56-23-5	Carbon Tetrachloride	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
107-06-2	1,2-Dichloroethane	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
71-43-2	Benzene	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
79-01-6	Trichloroethene	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
78-87-5	1,2-Dichloropropane	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

mep 12/10/15



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/05/2015 14:18

Client ID: EP-7

Lab ID: 1501909-02 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
Accredited Analytical Resources LLC										
Volatile Organic Compounds EPA Method SW846 8260										
75-27-4	Bromodichloromethane	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
74-95-3	Dibromomethane	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
110-75-8	2-Chloroethyl vinyl ether	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
108-88-3	Toluene	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
79-00-5	1,1,2-Trichloroethane	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
108-10-1	4-Methyl-2-pentanone	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
106-93-4	1,2-Dibromoethane	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
591-78-6	2-Hexanone	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
142-28-9	1,3-Dichloropropane	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
127-18-4	Tetrachloroethene	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
124-48-1	Dibromochloromethane	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
100-41-4	Ethylbenzene	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
108-90-7	Chlorobenzene	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
108-38-3/106-4	m,p-Xylenes	ND	2.60	5.19	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
95-47-6	o-Xylene	ND	2.60	5.19	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
100-42-5	Styrene	ND	1.30	5.19	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
75-25-2	Bromoform	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
98-82-8	Isopropylbenzene	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
96-18-4	1,2,3-Trichloropropane	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
103-65-1	n-Propyl Benzene	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
108-86-1	Bromobenzene	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
108-67-8	1,3,5-Trimethylbenzene	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
95-49-8	2-Chlorotoluene	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
106-43-4	4-Chlorotoluene	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
98-06-6	tert-Butylbenzene	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/05/2015 14:18

Client ID: EP-7

Lab ID: 1501909-02 (Soil)

CAS#	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

95-63-6	1,2,4-Trimethylbenzene	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
135-98-8	sec-Butylbenzene	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
99-87-6	p-Isopropyltoluene	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
541-73-1	1,3-Dichlorobenzene	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
106-46-7	1,4-Dichlorobenzene	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
104-51-8	n-Butyl Benzene	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
95-50-1	1,2-Dichlorobenzene	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
87-68-3	Hexachlorobutadiene	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
87-61-6	1,2,3-Trichlorobenzene	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U

Surrogate: 1,2-Dichloroethane-d4

111 % 70-130 10/26/15 18:22 10/26/15 18:22/SG EPA 8260

Surrogate: Toluene-d8

102 % 70-130 10/26/15 18:22 10/26/15 18:22/SG EPA 8260

Surrogate: Bromofluorobenzene

87 % 70-130 10/26/15 18:22 10/26/15 18:22/SG EPA 8260

Semivolatile Organic Compounds EPA Method SW846 8270

Sample Prepared by Method: EPA 3550B GCMS

62-75-9	N-Nitrosodimethylamine	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
108-95-2	Phenol	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
111-44-4	bis(2-chloroethyl)ether	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
95-57-8	2-Chlorophenol	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
541-73-1	1,3-Dichlorobenzene	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
106-46-7	1,4-Dichlorobenzene	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
100-51-6	Benzyl alcohol	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
95-50-1	1,2-Dichlorobenzene	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
95-48-7	2-Methylphenol	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
106-44-5	3 & 4-Methylphenol	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
621-64-7	N-Nitroso-di-n-propylamine	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/05/2015 14:18

Client ID: EP-7

Lab ID: 1501909-02 (Soil)

CAS#	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

67-72-1	Hexachloroethane	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
98-95-3	Nitrobenzene	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
78-59-1	Isophorone	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
88-75-5	2-Nitrophenol	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
105-67-9	2,4-Dimethylphenol	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
65-85-0	Benzoic acid	ND	119	476	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
111-91-1	bis(2-chloroethoxy)methane	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
120-83-2	2,4-Dichlorophenol	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
120-82-1	1,2,4-Trichlorobenzene	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
91-20-3	Naphthalene	72.9	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	J
106-47-8	4-Chloroaniline	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
87-68-3	Hexachlorobutadiene	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
59-50-7	4-Chloro-3-methylphenol	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
91-57-6	2-Methylnaphthylene	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
77-47-4	Hexachlorocyclopentadiene	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
88-06-2	2,4,6-Trichlorophenol	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
95-95-4	2,4,5-Trichlorophenol	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
91-58-7	2-Chloronaphthalene	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
88-74-4	2-Nitroaniline	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
131-11-3	Dimethylphthalate	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
208-96-8	Acenaphthylene	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
99-09-2	3-Nitroaniline	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
83-32-9	Acenaphthene	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
51-28-5	2,4-Dinitrophenol	ND	47.6	476	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
100-02-7	4-Nitrophenol	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
132-64-9	Dibenzofuran	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
606-20-2	2,6-Dinitrotoluene	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
121-14-2	2,4-Dinitrotoluene	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U

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mmp 12/11/15

Daniel Miguel, Technical Director



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Hama

Reported:
11/05/2015 14:18

Client ID: EP-7

Lab ID: 1501909-02 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Semivolatile Organic Compounds EPA Method SW846 8270

84-66-2	Diethyl phthalate	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
7005-72-3	4-Chlorophenyl-phenylether	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
86-73-7	Fluorene	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
100-01-6	4-Nitroaniline	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
86-30-6	N-Nitrosodiphenylamine	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
101-55-3	4-Bromophenyl-phenylether	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
118-74-1	Hexachlorobenzene	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
87-86-5	Pentachlorophenol	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
85-01-8	Phenanthrene	153	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	J
120-12-7	Anthracene	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
84-74-2	Di-n-butyl phthalate	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
206-44-0	Fluoranthene	153	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	J
129-00-0	Pyrene	145	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	J
85-68-7	Butylbenzylphthalate	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
91-94-1	3,3'-Dichlorobenzidine	ND	119	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
56-55-3	Benzo[a]anthracene	61.0	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	J
117-81-7	bis(2-ethylhexyl)phthalate	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
218-01-9	Chrysene	72.9	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	J
117-84-0	Di-n-octyl phthalate	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
205-99-2	Benzo[b]fluoranthene	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
207-08-9	Benzo[k]fluoranthene	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
50-32-8	Benzo[a]pyrene	59.0	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	J
193-39-5	Indeno(1,2,3-cd)pyrene	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
53-70-3	Dibenzo(a,h)anthracene	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
191-24-2	Benzo[ghi]perylene	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U

Surrogate: 2-Fluorophenol

59 % 30-130 10/26/15 06:03 10/27/15 20:35/JMM EPA 8270

Surrogate: Phenol-d5

76 % 30-130 10/26/15 06:03 10/27/15 20:35/JMM EPA 8270

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Daniel Miguel, Technical Director



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/05/2015 14:18

Client ID: EP-7

Lab ID: 1501909-02 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

Surrogate: Nitrobenzene-d5		70 %		30-130			10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	
Surrogate: 2-Fluorobiphenyl		66 %		30-130			10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	
Surrogate: 2,4,6-Tribromophenol		64 %		30-130			10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	
Surrogate: Terphenyl-d14		87 %		30-130			10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	

EPA Method SW846 8081/8082

Sample Prepared by Method: EPA 3550B

319-84-6	alpha-BHC	ND	0.943	0.943	ug/kg dry	1	10/27/15 09:15	10/27/15 16:55/JAM	EPA 8081/8082	U
319-85-7	beta-BHC	ND	0.943	0.943	ug/kg dry	1	10/27/15 09:15	10/27/15 16:55/JAM	EPA 8081/8082	U
319-86-8	delta-BHC	ND	0.943	0.943	ug/kg dry	1	10/27/15 09:15	10/27/15 16:55/JAM	EPA 8081/8082	U
58-89-9	gamma-BHC [Lindane]	ND	0.943	0.943	ug/kg dry	1	10/27/15 09:15	10/27/15 16:55/JAM	EPA 8081/8082	U
76-44-8	Heptachlor	ND	0.943	0.943	ug/kg dry	1	10/27/15 09:15	10/27/15 16:55/JAM	EPA 8081/8082	U
309-00-2	Aldrin	ND	0.943	0.943	ug/kg dry	1	10/27/15 09:15	10/27/15 16:55/JAM	EPA 8081/8082	U
1024-57-3	Heptachlor Epoxide	ND	0.943	0.943	ug/kg dry	1	10/27/15 09:15	10/27/15 16:55/JAM	EPA 8081/8082	U
959-98-8	Endosulfan I	ND	0.943	0.943	ug/kg dry	1	10/27/15 09:15	10/27/15 16:55/JAM	EPA 8081/8082	U
60-57-1	Dieldrin	ND	1.90	1.90	ug/kg dry	1	10/27/15 09:15	10/27/15 16:55/JAM	EPA 8081/8082	U
72-55-9	4,4'-DDE	ND	1.90	1.90	ug/kg dry	1	10/27/15 09:15	10/27/15 16:55/JAM	EPA 8081/8082	U
72-20-8	Endrin	ND	1.90	1.90	ug/kg dry	1	10/27/15 09:15	10/27/15 16:55/JAM	EPA 8081/8082	U
33213-65-9	Endosulfan II	ND	1.90	1.90	ug/kg dry	1	10/27/15 09:15	10/27/15 16:55/JAM	EPA 8081/8082	U
72-54-8	4,4'-DDD	ND	1.90	1.90	ug/kg dry	1	10/27/15 09:15	10/27/15 16:55/JAM	EPA 8081/8082	U
1031-07-8	Endosulfan sulfate	ND	1.90	1.90	ug/kg dry	1	10/27/15 09:15	10/27/15 16:55/JAM	EPA 8081/8082	U
50-29-3	4,4'-DDT	ND	1.90	1.90	ug/kg dry	1	10/27/15 09:15	10/27/15 16:55/JAM	EPA 8081/8082	U
72-43-5	Methoxychlor	ND	9.51	9.51	ug/kg dry	1	10/27/15 09:15	10/27/15 16:55/JAM	EPA 8081/8082	U
53494-70-5	Endrin ketone	ND	1.90	1.90	ug/kg dry	1	10/27/15 09:15	10/27/15 16:55/JAM	EPA 8081/8082	U
7421-93-4	Endrin aldehyde	ND	1.90	1.90	ug/kg dry	1	10/27/15 09:15	10/27/15 16:55/JAM	EPA 8081/8082	U
5103-71-9	alpha-Chlordane	ND	0.943	0.943	ug/kg dry	1	10/27/15 09:15	10/27/15 16:55/JAM	EPA 8081/8082	U
5566-34-7	gamma-Chlordane	ND	0.943	0.943	ug/kg dry	1	10/27/15 09:15	10/27/15 16:55/JAM	EPA 8081/8082	U
8001-35-2	Toxaphene	ND	47.6	47.6	ug/kg dry	1	10/27/15 09:15	10/27/15 16:55/JAM	EPA 8081/8082	U
12674-11-2	Aroclor-1016	ND	23.7	47.6	ug/kg dry	1	10/27/15 09:15	10/27/15 16:55/JAM	EPA 8081/8082	U

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Daniel Miguel, Technical Director



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harn

Reported:
11/05/2015 14:18

Client ID: EP-7

Lab ID: 1501909-02 (Soil)

CAS#	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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EPA Method SW846 8081/8082

11104-28-2	Aroclor-1221	ND	23.7	47.6	ug/kg dry	1	10/27/15 09:15	10/27/15 16:55/JAM	EPA 8081/8082	U
11141-16-5	Aroclor-1232	ND	23.7	47.6	ug/kg dry	1	10/27/15 09:15	10/27/15 16:55/JAM	EPA 8081/8082	U
53469-21-9	Aroclor-1242	ND	23.7	47.6	ug/kg dry	1	10/27/15 09:15	10/27/15 16:55/JAM	EPA 8081/8082	U
12672-29-6	Aroclor-1248	ND	23.7	47.6	ug/kg dry	1	10/27/15 09:15	10/27/15 16:55/JAM	EPA 8081/8082	U
11097-69-1	Aroclor-1254	ND	23.7	47.6	ug/kg dry	1	10/27/15 09:15	10/27/15 16:55/JAM	EPA 8081/8082	U
11096-82-5	Aroclor-1260	ND	23.7	47.6	ug/kg dry	1	10/27/15 09:15	10/27/15 16:55/JAM	EPA 8081/8082	U
37324-23-5	Aroclor-1262	ND	23.7	47.6	ug/kg dry	1	10/27/15 09:15	10/27/15 16:55/JAM	EPA 8081/8082	U
11100-14-4	Aroclor-1268	ND	23.7	47.6	ug/kg dry	1	10/27/15 09:15	10/27/15 16:55/JAM	EPA 8081/8082	U
<i>Surrogate: Tetrachloro-m-xylene</i>				87.2 %	30-150		10/27/15 09:15	10/27/15 16:55/JAM	EPA 8081/8082	
<i>Surrogate: Tetrachloro-m-xylene</i>				90.1 %	30-150		10/27/15 09:15	10/27/15 16:55/JAM	EPA 8081/8082	
<i>Surrogate: Decachlorobiphenyl</i>				89.0 %	30-150		10/27/15 09:15	10/27/15 16:55/JAM	EPA 8081/8082	
<i>Surrogate: Decachlorobiphenyl</i>				86.1 %	30-150		10/27/15 09:15	10/27/15 16:55/JAM	EPA 8081/8082	

Total Metals by EPA Method SW846 6010

Sample Prepared by Method: EPA 3050B

7429-90-5	Aluminium	6100	28.6	28.6	mg/kg dry	1	10/26/15 09:32	10/26/15 15:10/LIT	EPA 6010	
7440-36-0	Antimony	ND	5.71	5.71	mg/kg dry	1	10/26/15 09:32	10/26/15 15:10/LIT	EPA 6010	U
7440-38-2	Arsenic	2.01	1.43	1.43	mg/kg dry	1	10/26/15 09:32	10/26/15 15:10/LIT	EPA 6010	
7440-39-3	Barium	40.0	28.6	28.6	mg/kg dry	1	10/26/15 09:32	10/26/15 15:10/LIT	EPA 6010	
7440-41-7	Beryllium	ND	0.714	0.714	mg/kg dry	1	10/26/15 09:32	10/26/15 15:10/LIT	EPA 6010	U
7440-43-9	Cadmium	ND	0.714	0.714	mg/kg dry	1	10/26/15 09:32	10/26/15 15:10/LIT	EPA 6010	U
7440-70-2	Calcium	8140	35.7	35.7	mg/kg dry	1	10/26/15 09:32	10/26/15 15:10/LIT	EPA 6010	
7440-47-3	Chromium	10.1	2.86	2.86	mg/kg dry	1	10/26/15 09:32	10/26/15 15:10/LIT	EPA 6010	
7440-48-4	Cobalt	ND	7.14	7.14	mg/kg dry	1	10/26/15 09:32	10/26/15 15:10/LIT	EPA 6010	U
7440-50-8	Copper	13.6	4.29	4.29	mg/kg dry	1	10/26/15 09:32	10/26/15 15:10/LIT	EPA 6010	
7439-89-6	Iron	9210	35.7	35.7	mg/kg dry	1	10/26/15 09:32	10/26/15 15:10/LIT	EPA 6010	
7439-92-1	Lead	11.8	1.43	1.43	mg/kg dry	1	10/26/15 09:32	10/26/15 15:10/LIT	EPA 6010	
7439-95-4	Magnesium	4200	71.4	71.4	mg/kg dry	1	10/26/15 09:32	10/26/15 15:10/LIT	EPA 6010	

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Daniel Miguel, Technical Director



BRINKERHOFF ENVIRONMENTAL 1805 Atlantic Ave. Manasquan NJ, 08736	Project: 138th Street, Bronx, NY; 10BR188 Project Manager: Doug Harm	Reported: 11/05/2015 14:18
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Client ID: EP-7
Lab ID: 1501909-02 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Total Metals by EPA Method SW846 6010

7439-96-5	Manganese	111 J	2.86	2.86	mg/kg dry	1	10/26/15 09:32	10/26/15 15:10/LIT	EPA 6010	
7440-02-0	Nickel	12.9	5.71	5.71	mg/kg dry	1	10/26/15 09:32	10/26/15 15:10/LIT	EPA 6010	
7440-09-7	Potassium	886 R	71.4	71.4	mg/kg dry	1	10/26/15 09:32	10/26/15 15:10/LIT	EPA 6010	
7782-49-2	Selenium	ND	5.71	5.71	mg/kg dry	1	10/26/15 09:32	10/26/15 15:10/LIT	EPA 6010	U
7440-22-4	Silver	ND	0.714	0.714	mg/kg dry	1	10/26/15 09:32	10/26/15 15:10/LIT	EPA 6010	U
7440-23-5	Sodium	401	71.4	71.4	mg/kg dry	1	10/26/15 09:32	10/26/15 15:10/LIT	EPA 6010	
7440-28-0	Thallium	ND	2.14	4.29	mg/kg dry	1	10/26/15 09:32	10/26/15 15:10/LIT	EPA 6010	U
7440-62-2	Vanadium	12.3	7.14	7.14	mg/kg dry	1	10/26/15 09:32	10/26/15 15:10/LIT	EPA 6010	
7440-66-6	Zinc	45.7	8.57	8.57	mg/kg dry	1	10/26/15 09:32	10/26/15 15:10/LIT	EPA 6010	

Total Mercury by SW846 7471

Sample Prepared by Method: EPA 7471A

7439-97-6	Mercury	ND	0.107	0.107	mg/kg dry	1	10/26/15 08:59	10/26/15 14:28/PRT	EPA 7471	
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Wet Chemistry

Sample Prepared by Method: EPA 9010C

NA	Cyanide (total)	ND	1.43	1.43	mg/kg dry	1	10/28/15 08:43	10/28/15 13:49/NNM	EPA 9014	
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Sample Prepared by Method: Percent Solids

NA	Percent Solids	70.0	0.100	0.100	%	1	10/26/15 09:10	10/26/15 15:17/HTW	SM 2540 G	
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Daniel Miguel, Technical Director

MSP 12/11/15



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY: 10BR188
Project Manager: Doug Harn

Reported:
11/05/2015 14:18

Client ID: EP-8

Lab ID: 1501909-03 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

Sample Prepared by Method: EPA 5035A

107-02-8	Acrolein	ND ^{US}	25.5	42.6	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
107-13-1	Acrylonitrile	ND ⁺	8.51	42.6	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
67-64-1	Acetone	102 ^B	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	B
75-71-8	Dichlorodifluoromethane	ND ^{US}	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
74-87-3	Chloromethane	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
75-01-4	Vinyl chloride	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
74-83-9	Bromomethane	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
75-00-3	Chloroethane	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
75-69-4	Trichlorofluoromethane	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
75-35-4	1,1-Dichloroethene	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
75-15-0	Carbon disulfide	ND ⁺	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
75-09-2	Methylene Chloride	20.6 ^{SB}	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	
156-60-5	trans-1,2-Dichloroethene	ND ^{US}	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
75-34-3	1,1-Dichloroethane	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
108-05-4	Vinyl acetate	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
590-20-7	2,2-Dichloropropane	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
78-93-3	2-Butanone	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
156-59-4	cis-1,2-Dichloroethene	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
67-66-3	Chloroform	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
74-97-5	Bromochloromethane	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
71-55-6	1,1,1-Trichloroethane	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
563-58-6	1,1-Dichloropropene	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
56-23-5	Carbon Tetrachloride	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
107-06-2	1,2-Dichloroethane	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
71-43-2	Benzene	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
79-01-6	Trichloroethene	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
78-87-5	1,2-Dichloropropane	ND [✓]	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U

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Daniel Miguel, Technical Director

mgf 12/10/15



BRINKERHOFF ENVIRONMENTAL 1805 Atlantic Ave. Manasquan NJ, 08736	Project: 138th Street, Bronx, NY; 10BR188 Project Manager: Doug Harm	Reported: 11/05/2015 14:18
-------------------------------------------------------------------------------	-------------------------------------------------------------------------	-------------------------------

Client ID: EP-8
Lab ID: 1501909-03 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

75-27-4	Bromodichloromethane	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
74-95-3	Dibromomethane	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
110-75-8	2-Chloroethyl vinyl ether	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
10061-01-5	cis-1,3-Dichloropropene	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
108-88-3	Toluene	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
10061-02-6	trans-1,3-Dichloropropene	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
79-00-5	1,1,2-Trichloroethane	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
108-10-1	4-Methyl-2-pentanone	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
106-93-4	1,2-Dibromoethane	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
591-78-6	2-Hexanone	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
142-28-9	1,3-Dichloropropane	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
127-18-4	Tetrachloroethene	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
124-48-1	Dibromochloromethane	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
100-41-4	Ethylbenzene	7.57	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	J
108-90-7	Chlorobenzene	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
108-38-3/106-4m,p-Xylenes		ND	8.51	17.0	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
95-47-6	o-Xylene	ND	8.51	17.0	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
100-42-5	Styrene	ND	4.26	17.0	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
75-25-2	Bromoform	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
98-82-8	Isopropylbenzene	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
96-18-4	1,2,3-Trichloropropane	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
103-65-1	n-Propyl Benzene	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
108-86-1	Bromobenzene	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
108-67-8	1,3,5-Trimethylbenzene	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
95-49-8	2-Chlorotoluene	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
106-43-4	4-Chlorotoluene	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U

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Daniel Miguel, Technical Director



BRINKERHOFF ENVIRONMENTAL 1805 Atlantic Ave. Manasquan NJ, 08736	Project: 138th Street, Bronx, NY; 10BR188 Project Manager: Doug Harm	Reported: 11/05/2015 14:18
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Client ID: EP-8
Lab ID: 1501909-03 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

98-06-6	tert-Butylbenzene	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
95-63-6	1,2,4-Trimethylbenzene	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
135-98-8	sec-Butylbenzene	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
99-87-6	p-Isopropyltoluene	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
541-73-1	1,3-Dichlorobenzene	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
106-46-7	1,4-Dichlorobenzene	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
104-51-8	n-Butyl Benzene	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
95-50-1	1,2-Dichlorobenzene	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
120-82-1	1,2,4-Trichlorobenzene	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
87-68-3	Hexachlorobutadiene	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
87-61-6	1,2,3-Trichlorobenzene	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U

<i>Surrogate: 1,2-Dichloroethane-d4</i>		122 %	70-130	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260
<i>Surrogate: Toluene-d8</i>		99 %	70-130	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260
<i>Surrogate: Bromofluorobenzene</i>		78 %	70-130	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260

Semivolatile Organic Compounds EPA Method SW846 8270

Sample Prepared by Method: EPA 3550B GCMS

62-75-9	N-Nitrosodimethylamine	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
108-95-2	Phenol	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
111-44-4	bis(2-chloroethyl)ether	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
95-57-8	2-Chlorophenol	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
541-73-1	1,3-Dichlorobenzene	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
106-46-7	1,4-Dichlorobenzene	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
100-51-6	Benzyl alcohol	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
95-50-1	1,2-Dichlorobenzene	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
95-48-7	2-Methylphenol	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
106-44-5	3 & 4 Methylphenol	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

MMP 12/1/15



BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harn

Reported:
11/05/2015 14:18

Client ID: EP-8

Lab ID: 1501909-03 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

621-64-7	N-Nitroso-di-n-propylamine	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
67-72-1	Hexachloroethane	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
98-95-3	Nitrobenzene	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
78-59-1	Isophorone	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
88-75-5	2-Nitrophenol	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
105-67-9	2,4-Dimethylphenol	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
65-85-0	Benzoic acid	ND	177	709	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
111-91-1	bis(2-chloroethoxy)methane	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
120-83-2	2,4-Dichlorophenol	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
120-82-1	1,2,4-Trichlorobenzene	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
91-20-3	Naphthalene	76.6	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	J
106-47-8	4-Chloroaniline	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
87-68-3	Hexachlorobutadiene	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
59-50-7	4-Chloro-3-methylphenol	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
91-57-6	2-Methylnaphthylene	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
77-47-4	Hexachlorocyclopentadiene	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
88-06-2	2,4,6-Trichlorophenol	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
95-95-4	2,4,5-Trichlorophenol	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
91-58-7	2-Chloronaphthalene	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
88-74-4	2-Nitroaniline	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
131-11-3	Dimethylphthalate	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
208-96-8	Acenaphthylene	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
99-09-2	3-Nitroaniline	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
83-32-9	Acenaphthene	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
51-28-5	2,4-Dinitrophenol	ND	70.9	709	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
100-02-7	4-Nitrophenol	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
132-64-9	Dibenzofuran	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
606-20-2	2,6-Dinitrotoluene	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U

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Daniel Miguel, Technical Director

MHP 12/11/15



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/05/2015 14:18

Client ID: EP-8

Lab ID: 1501909-03 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

121-14-2	2,4-Dinitrotoluene	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
84-66-2	Diethyl phthalate	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
7005-72-3	4-Chlorophenyl-phenylether	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
86-73-7	Fluorene	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
100-01-6	4-Nitroaniline	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
86-30-6	N-Nitrosodiphenylamine	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
101-55-3	4-Bromophenyl-phenylether	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
118-74-1	Hexachlorobenzene	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
87-86-5	Pentachlorophenol	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
85-01-8	Phenanthrene	187	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	J
120-12-7	Anthracene	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
84-74-2	Di-n-butyl phthalate	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
206-44-0	Fluoranthene	190	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	J
129-00-0	Pyrene	199	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	J
85-68-7	Butylbenzylphthalate	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
91-94-1	3,3'-Dichlorobenzidine	ND	177	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
56-55-3	Benzo[a]anthracene	75.9	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	J
117-81-7	bis(2-ethylhexyl)phthalate	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
218-01-9	Chrysene	92.9	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	J
117-84-0	Di-n-octyl phthalate	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
205-99-2	Benzo[b]fluoranthene	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
207-08-9	Benzo[k]fluoranthene	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
50-32-8	Benzo[a]pyrene	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
53-70-3	Dibenzo(a,h)anthracene	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
191-24-2	Benzo[ghi]perylene	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U

Surrogate: 2-Fluorophenol

61 % 30-130

10/26/15 06:03

10/27/15 19:52/JMM

EPA 8270

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Daniel Miguel, Technical Director



BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/05/2015 14:18

Client ID: EP-8
Lab ID: 1501909-03 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

Surrogate: Phenol-d5		77 %		30-130			10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	
Surrogate: Nitrobenzene-d5		70 %		30-130			10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	
Surrogate: 2-Fluorobiphenyl		67 %		30-130			10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	
Surrogate: 2,4,6-Tribromophenol		82 %		30-130			10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	
Surrogate: Terphenyl-d14		92 %		30-130			10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	

EPA Method SW846 8081/8082

Sample Prepared by Method: EPA 3550B

319-84-6	alpha-BHC	ND	1.40	1.40	ug/kg dry	1	10/27/15 09:15	10/27/15 17:26/JAM	EPA 8081/8082	U
319-85-7	beta-BHC	ND	1.40	1.40	ug/kg dry	1	10/27/15 09:15	10/27/15 17:26/JAM	EPA 8081/8082	U
319-86-8	delta-BHC	ND	1.40	1.40	ug/kg dry	1	10/27/15 09:15	10/27/15 17:26/JAM	EPA 8081/8082	U
58-89-9	gamma-BHC [Lindane]	ND	1.40	1.40	ug/kg dry	1	10/27/15 09:15	10/27/15 17:26/JAM	EPA 8081/8082	U
76-44-8	Heptachlor	ND	1.40	1.40	ug/kg dry	1	10/27/15 09:15	10/27/15 17:26/JAM	EPA 8081/8082	U
309-00-2	Aldrin	ND	1.40	1.40	ug/kg dry	1	10/27/15 09:15	10/27/15 17:26/JAM	EPA 8081/8082	U
1024-57-3	Heptachlor Epoxide	ND	1.40	1.40	ug/kg dry	1	10/27/15 09:15	10/27/15 17:26/JAM	EPA 8081/8082	U
959-98-8	Endosulfan I	ND	1.40	1.40	ug/kg dry	1	10/27/15 09:15	10/27/15 17:26/JAM	EPA 8081/8082	U
60-57-1	Dieldrin	ND	2.83	2.83	ug/kg dry	1	10/27/15 09:15	10/27/15 17:26/JAM	EPA 8081/8082	U
72-55-9	4,4'-DDE	ND	2.83	2.83	ug/kg dry	1	10/27/15 09:15	10/27/15 17:26/JAM	EPA 8081/8082	U
72-20-8	Endrin	ND	2.83	2.83	ug/kg dry	1	10/27/15 09:15	10/27/15 17:26/JAM	EPA 8081/8082	U
33213-65-9	Endosulfan II	ND	2.83	2.83	ug/kg dry	1	10/27/15 09:15	10/27/15 17:26/JAM	EPA 8081/8082	U
72-54-8	4,4'-DDD	ND	2.83	2.83	ug/kg dry	1	10/27/15 09:15	10/27/15 17:26/JAM	EPA 8081/8082	U
1031-07-8	Endosulfan sulfate	ND	2.83	2.83	ug/kg dry	1	10/27/15 09:15	10/27/15 17:26/JAM	EPA 8081/8082	U
50-29-3	4,4'-DDT	ND	2.83	2.83	ug/kg dry	1	10/27/15 09:15	10/27/15 17:26/JAM	EPA 8081/8082	U
72-43-5	Methoxychlor	ND	14.2	14.2	ug/kg dry	1	10/27/15 09:15	10/27/15 17:26/JAM	EPA 8081/8082	U
53494-70-5	Endrin ketone	ND	2.83	2.83	ug/kg dry	1	10/27/15 09:15	10/27/15 17:26/JAM	EPA 8081/8082	U
7421-93-4	Endrin aldehyde	ND	2.83	2.83	ug/kg dry	1	10/27/15 09:15	10/27/15 17:26/JAM	EPA 8081/8082	U
5103-71-9	alpha-Chlordane	ND	1.40	1.40	ug/kg dry	1	10/27/15 09:15	10/27/15 17:26/JAM	EPA 8081/8082	U
5566-34-7	gamma-Chlordane	ND	1.40	1.40	ug/kg dry	1	10/27/15 09:15	10/27/15 17:26/JAM	EPA 8081/8082	U
8001-35-2	Toxaphene	ND	70.9	70.9	ug/kg dry	1	10/27/15 09:15	10/27/15 17:26/JAM	EPA 8081/8082	U

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Daniel Miguel, Technical Director



BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harn

Reported:
11/05/2015 14:18

Client ID: EP-8
Lab ID: 1501909-03 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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EPA Method SW846 8081/8082

12674-11-2	Aroclor-1016	ND	35.3	70.9	ug/kg dry	1	10/27/15 09:15	10/27/15 17:26/JAM	EPA 8081/8082	U
11104-28-2	Aroclor-1221	ND	35.3	70.9	ug/kg dry	1	10/27/15 09:15	10/27/15 17:26/JAM	EPA 8081/8082	U
11141-16-5	Aroclor-1232	ND	35.3	70.9	ug/kg dry	1	10/27/15 09:15	10/27/15 17:26/JAM	EPA 8081/8082	U
53469-21-9	Aroclor-1242	ND	35.3	70.9	ug/kg dry	1	10/27/15 09:15	10/27/15 17:26/JAM	EPA 8081/8082	U
12672-29-6	Aroclor-1248	ND	35.3	70.9	ug/kg dry	1	10/27/15 09:15	10/27/15 17:26/JAM	EPA 8081/8082	U
11097-69-1	Aroclor-1254	ND	35.3	70.9	ug/kg dry	1	10/27/15 09:15	10/27/15 17:26/JAM	EPA 8081/8082	U
11096-82-5	Aroclor-1260	ND	35.3	70.9	ug/kg dry	1	10/27/15 09:15	10/27/15 17:26/JAM	EPA 8081/8082	U
37324-23-5	Aroclor-1262	ND	35.3	70.9	ug/kg dry	1	10/27/15 09:15	10/27/15 17:26/JAM	EPA 8081/8082	U
11100-14-4	Aroclor-1268	ND	35.3	70.9	ug/kg dry	1	10/27/15 09:15	10/27/15 17:26/JAM	EPA 8081/8082	U
Surrogate: Tetrachloro-m-xylene				76.5 %	30-150		10/27/15 09:15	10/27/15 17:26/JAM	EPA 8081/8082	
Surrogate: Tetrachloro-m-xylene				85.3 %	30-150		10/27/15 09:15	10/27/15 17:26/JAM	EPA 8081/8082	
Surrogate: Decachlorobiphenyl				87.6 %	30-150		10/27/15 09:15	10/27/15 17:26/JAM	EPA 8081/8082	
Surrogate: Decachlorobiphenyl				85.9 %	30-150		10/27/15 09:15	10/27/15 17:26/JAM	EPA 8081/8082	

Total Metals by EPA Method SW846 6010

Sample Prepared by Method: EPA 3050B

7429-90-5	Aluminum	11800	42.6	42.6	mg/kg dry	1	10/26/15 09:32	10/26/15 15:15/LIT	EPA 6010	
7440-36-0	Antimony	ND	8.51	8.51	mg/kg dry	1	10/26/15 09:32	10/26/15 15:15/LIT	EPA 6010	U
7440-38-2	Arsenic	3.29	2.13	2.13	mg/kg dry	1	10/26/15 09:32	10/26/15 15:15/LIT	EPA 6010	
7440-39-3	Barium	68.6	42.6	42.6	mg/kg dry	1	10/26/15 09:32	10/26/15 15:15/LIT	EPA 6010	
7440-41-7	Beryllium	ND	1.06	1.06	mg/kg dry	1	10/26/15 09:32	10/26/15 15:15/LIT	EPA 6010	U
7440-43-9	Cadmium	ND	1.06	1.06	mg/kg dry	1	10/26/15 09:32	10/26/15 15:15/LIT	EPA 6010	U
7440-70-2	Calcium	9090	53.2	53.2	mg/kg dry	1	10/26/15 09:32	10/26/15 15:15/LIT	EPA 6010	
7440-47-3	Chromium	19.4	4.26	4.26	mg/kg dry	1	10/26/15 09:32	10/26/15 15:15/LIT	EPA 6010	
7440-48-4	Cobalt	10.6	10.6	10.6	mg/kg dry	1	10/26/15 09:32	10/26/15 15:15/LIT	EPA 6010	U
7440-50-8	Copper	25.5	6.38	6.38	mg/kg dry	1	10/26/15 09:32	10/26/15 15:15/LIT	EPA 6010	
7439-89-6	Iron	17700	53.2	53.2	mg/kg dry	1	10/26/15 09:32	10/26/15 15:15/LIT	EPA 6010	
7439-92-1	Lead	25.5	2.13	2.13	mg/kg dry	1	10/26/15 09:32	10/26/15 15:15/LIT	EPA 6010	

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Daniel Miguel, Technical Director



BRINKERHOFF ENVIRONMENTAL 1805 Atlantic Ave. Manasquan NJ, 08736	Project: 138th Street, Bronx, NY; 10BR188 Project Manager: Doug Harm	Reported: 11/05/2015 14:18
-------------------------------------------------------------------------------	-------------------------------------------------------------------------	--------------------------------------

Client ID: EP-8
Lab ID: 1501909-03 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Total Metals by EPA Method SW846 6010

7439-95-4	Magnesium	8200	106	106	mg/kg dry	1	10/26/15 09:32	10/26/15 15:15/LIT	EPA 6010	
7439-96-5	Manganese	247 J	4.26	4.26	mg/kg dry	1	10/26/15 09:32	10/26/15 15:15/LIT	EPA 6010	
7440-02-0	Nickel	20.7	8.51	8.51	mg/kg dry	1	10/26/15 09:32	10/26/15 15:15/LIT	EPA 6010	
7440-09-7	Potassium	106 R	106	106	mg/kg dry	1	10/26/15 09:32	10/26/15 15:15/LIT	EPA 6010	
7782-49-2	Selenium	ND	8.51	8.51	mg/kg dry	1	10/26/15 09:32	10/26/15 15:15/LIT	EPA 6010	U
7440-22-4	Silver	ND	1.06	1.06	mg/kg dry	1	10/26/15 09:32	10/26/15 15:15/LIT	EPA 6010	U
7440-23-5	Sodium	717	106	106	mg/kg dry	1	10/26/15 09:32	10/26/15 15:15/LIT	EPA 6010	
7440-28-0	Thallium	ND	3.19	6.38	mg/kg dry	1	10/26/15 09:32	10/26/15 15:15/LIT	EPA 6010	U
7440-62-2	Vanadium	23.9	10.6	10.6	mg/kg dry	1	10/26/15 09:32	10/26/15 15:15/LIT	EPA 6010	
7440-66-6	Zinc	89.0	12.8	12.8	mg/kg dry	1	10/26/15 09:32	10/26/15 15:15/LIT	EPA 6010	

Total Mercury by SW846 7471

Sample Prepared by Method: EPA 7471A

7439-97-6	Mercury	ND	0.160	0.160	mg/kg dry	1	10/26/15 08:59	10/26/15 14:30/PRT	EPA 7471	
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Wet Chemistry

Sample Prepared by Method: EPA 9010C

NA	Cyanide (total)	ND	2.13	2.13	mg/kg dry	1	10/28/15 08:43	10/28/15 13:49/NNM	EPA 9014	
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Sample Prepared by Method: Percent Solids

NA	Percent Solids	47.0	0.100	0.100	%	1	10/26/15 09:10	10/26/15 15:17/HTW	SM 2540 G	
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Daniel Miguel, Technical Director

MMF 12/14/15

Appendix B

***Laboratory
QC
Documentation***



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Client: **BRINKERHOFF ENVIRONMENTAL**
 Project: **138th Street, Bronx, NY; 10BR188**
 Work Order: **1501909**

Matrix:	Solid	Analysis Method:	EPA 8270
Prep Batch:	B5J2601	Prep Method:	EPA 3550B GCMS
Percent Solids:	87.00	Laboratory ID:	B5J2601-MS1
		Client Sample ID:	1501903-02

ANALYTE	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC.	QC LIMITS REC.
Pyridine	1920	ND	1400	73	20 - 160
N-Nitrosodimethylamine	1920	ND	1470	77	20 - 160
Aniline	1920	ND	1450	75	20 - 160
Phenol	1920	ND	1840	96	20 - 160
bis(2-chloroethyl)ether	1920	ND	1770	92	70 - 130
2-Chlorophenol	1920	ND	1680	88	70 - 130
1,3-Dichlorobenzene	1920	ND	1700	89	70 - 130
1,4-Dichlorobenzene	1920	ND	1700	89	70 - 130
Benzyl alcohol	1920	ND	1580	83	20 - 160
1,2-Dichlorobenzene	1920	ND	1690	88	70 - 130
2-Methylphenol	1920	ND	1620	85	20 - 160
bis(2-chloroisopropyl)ether	1920	ND	1930	100	70 - 130
3 & 4-Methylphenol	1920	ND	1500	78	20 - 160
N-Nitroso-di-n-propylamine	1920	ND	1470	77	70 - 130
Hexachloroethane	1920	ND	1360	71	20 - 160
Nitrobenzene	1920	ND	1640	86	70 - 130
Isophorone	1920	ND	1610	84	70 - 130
2-Nitrophenol	1920	ND	1640	86	70 - 130
2,4-Dimethylphenol	1920	ND	1670	87	70 - 130
bis(2-chloroethoxy)methane	1920	ND	1610	84	70 - 130
2,4-Dichlorophenol	1920	ND	1670	87	70 - 130
1,2,4-Trichlorobenzene	1920	ND	1620	85	70 - 130
Naphthalene	1920	ND	1660	87	70 - 130
4-Chloroaniline	1920	ND	564	29	20 - 160
Hexachlorobutadiene	1920	ND	1620	85	70 - 130
4-Chloro-3-methylphenol	1920	ND	1630	85	70 - 130
2-Methylnaphthylene	1920	ND	1640	86	70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Client: BRINKERHOFF ENVIRONMENTAL
Project: 138th Street, Bronx, NY; 10BR188
Work Order: 1501909

Matrix:	Solid	Analysis Method:	EPA 8270
Prep Batch:	B5J2601	Prep Method:	EPA 3550B GCMS
Percent Solids:	87.00	Laboratory ID:	B5J2601-MS1
		Client Sample ID:	1501903-02

ANALYTE	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC.	QC LIMITS REC.
Hexachlorocyclopentadiene	1920	ND	278	14 *	20 - 160
2,4,6-Trichlorophenol	1920	ND	1720	90	70 - 130
2,4,5-Trichlorophenol	1920	ND	1710	89	70 - 130
2-Chloronaphthalene	1920	ND	1580	82	70 - 130
2-Nitroaniline	1920	ND	1780	93	70 - 130
Dimethylphthalate	1920	ND	1700	89	70 - 130
Acenaphthylene	1920	70.5	1900	95	70 - 130
3-Nitroaniline	1920	ND	1350	70	70 - 130
Acenaphthene	1920	102	1840	91	70 - 130
2,4-Dinitrophenol	1920	ND	500	26	20 - 160
4-Nitrophenol	1920	ND	1720	90	20 - 160
Dibenzofuran	1920	43.7	1730	88	70 - 130
2,6-Dinitrotoluene	1920	ND	1680	88	70 - 130
2,4-Dinitrotoluene	1920	ND	1760	92	70 - 130
2,3,4,6-Tetrachlorophenol	1920	ND	1730	90	70 - 130
Diethyl phthalate	1920	ND	1670	87	70 - 130
4-Chlorophenyl-phenylether	1920	ND	1600	84	70 - 130
Fluorene	1920	112	1760	86	70 - 130
4-Nitroaniline	1920	ND	1700	89	70 - 130
4,6-Dinitro-2-methylphenol	1920	ND	546	28 *	70 - 130
Carbazole	1920	113	1930	95	70 - 130
N-Nitrosodiphenylamine	1920	ND	1630	85	20 - 160
Azobenzene	1920	ND	1970	103	70 - 130
4-Bromophenyl-phenylether	1920	ND	1640	86	70 - 130
Hexachlorobenzene	1920	ND	1600	84	70 - 130
Pentachlorophenol	1920	ND	1410	74	20 - 160
Phenanthrene	1920	1090	3280	114	70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Client: BRINKERHOFF ENVIRONMENTAL
 Project: 138th Street, Bronx, NY; 10BR188
 Work Order: 1501909

Matrix:	Solid	Analysis Method:	EPA 8270
Prep Batch:	B5J2601	Prep Method:	EPA 3550B GCMS
Percent Solids:	87.00	Laboratory ID:	B5J2601-MS1
		Client Sample ID:	1501903-02

ANALYTE	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC.	QC LIMITS REC.
Anthracene	1920	286	2130	96	70 - 130
Di-n-butyl phthalate	1920	38.7	1770	90	70 - 130
Fluoranthene	1920	1650	4290	138	* 70 - 130
Pyrene	1920	1760	5250	182	* 70 - 130
Butylbenzylphthalate	1920	39.5	2410	124	70 - 130
Benzo[a]anthracene	1920	859	3060	115	70 - 130
bis(2-ethylhexyl)phthalate	1920	105	2580	129	70 - 130
Chrysene	1920	1030	3290	118	70 - 130
Di-n-octyl phthalate	1920	ND	5610	293	* 70 - 130
Benzo[b]fluoranthene	1920	1050	4560	183	* 70 - 130
Benzo[k]fluoranthene	1920	630	3430	146	* 70 - 130
Benzo[a]pyrene	1920	819	3240	126	70 - 130
Indeno(1,2,3-cd)pyrene	1920	311	1140	43	* 70 - 130
Dibenzo(a,h)anthracene	1920	135	1000	45	* 70 - 130
Benzo[ghi]perylene	1920	301	990	36	* 70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike Dup

Client: BRINKERHOFF ENVIRONMENTAL
Project: 138th Street, Bronx, NY; 10BR188
Work Order: 1501909

Matrix:	Solid	Analysis Method:	EPA 8270
Prep Batch:	B5J2601	Prep Method:	EPA 3550B GCMS
Percent Solids:	87.00	Laboratory ID:	B5J2601-MSD1
		Client Sample ID:	1501903-02

ANALYTE	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
Pyridine	1920	1200	63	15	30	20 - 160
N-Nitrosodimethylamine	1920	1220	64	18	30	20 - 160
Aniline	1920	1080	56	29	30	20 - 160
Phenol	1920	1550	81	17	30	20 - 160
bis(2-chloroethyl)ether	1920	1520	79	15	30	70 - 130
2-Chlorophenol	1920	1420	74	16	30	70 - 130
1,3-Dichlorobenzene	1920	1420	74	18	30	70 - 130
1,4-Dichlorobenzene	1920	1410	74	19	30	70 - 130
Benzyl alcohol	1920	1300	68	19	30	20 - 160
1,2-Dichlorobenzene	1920	1390	73	19	30	70 - 130
2-Methylphenol	1920	1350	70	19	30	20 - 160
bis(2-chloroisopropyl)ether	1920	1620	84	17	30	70 - 130
3 & 4-Methylphenol	1920	1260	66	17	30	20 - 160
N-Nitroso-di-n-propylamine	1920	1300	68 *	12	30	70 - 130
Hexachloroethane	1920	1130	59	19	30	20 - 160
Nitrobenzene	1920	1360	71	18	30	70 - 130
Isophorone	1920	1340	70	18	30	70 - 130
2-Nitrophenol	1920	1310	69 *	22	30	70 - 130
2,4-Dimethylphenol	1920	1350	71	21	30	70 - 130
bis(2-chloroethoxy)methane	1920	1360	71	17	30	70 - 130
2,4-Dichlorophenol	1920	1380	72	19	30	70 - 130
1,2,4-Trichlorobenzene	1920	1340	70	19	30	70 - 130
Naphthalene	1920	1360	71	20	30	70 - 130
4-Chloroaniline	1920	341	18 *	49 *	30	20 - 160
Hexachlorobutadiene	1920	1310	68 *	21	30	70 - 130
4-Chloro-3-methylphenol	1920	1380	72	17	30	70 - 130
2-Methylnaphthylene	1920	1360	71	19	30	70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike Dup

Client: BRINKERHOFF ENVIRONMENTAL
 Project: 138th Street, Bronx, NY; 10BR188
 Work Order: 1501909

Matrix:	Solid	Analysis Method:	EPA 8270
Prep Batch:	B5J2601	Prep Method:	EPA 3550B GCMS
Percent Solids:	87.00	Laboratory ID:	B5J2601-MSD1
		Client Sample ID:	1501903-02

ANALYTE	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
Hexachlorocyclopentadiene	1920	227	12 *	20	30	20 - 160
2,4,6-Trichlorophenol	1920	1430	75	19	30	70 - 130
2,4,5-Trichlorophenol	1920	1410	74	19	30	70 - 130
2-Chloronaphthalene	1920	1300	68 *	20	30	70 - 130
2-Nitroaniline	1920	1470	77	19	30	70 - 130
Dimethylphthalate	1920	1430	75	17	30	70 - 130
Acenaphthylene	1920	1510	75	23	30	70 - 130
3-Nitroaniline	1920	1070	56 *	23	30	70 - 130
Acenaphthene	1920	1480	72	22	30	70 - 130
2,4-Dinitrophenol	1920	328	17 *	42 *	30	20 - 160
4-Nitrophenol	1920	1370	72	22	30	20 - 160
Dibenzofuran	1920	1400	71	21	30	70 - 130
2,6-Dinitrotoluene	1920	1380	72	20	30	70 - 130
2,4-Dinitrotoluene	1920	1420	74	21	30	70 - 130
2,3,4,6-Tetrachlorophenol	1920	1390	73	22	30	70 - 130
Diethyl phthalate	1920	1350	70	21	30	70 - 130
4-Chlorophenyl-phenylether	1920	1300	68 *	21	30	70 - 130
Fluorene	1920	1440	69 *	20	30	70 - 130
4-Nitroaniline	1920	1420	74	18	30	70 - 130
4,6-Dinitro-2-methylphenol	1920	200	10 *	93 *	30	70 - 130
Carbazole	1920	1540	74	23	30	70 - 130
N-Nitrosodiphenylamine	1920	1300	68	23	30	20 - 160
Azobenzene	1920	1580	82	22	30	70 - 130
4-Bromophenyl-phenylether	1920	1320	69 *	22	30	70 - 130
Hexachlorobenzene	1920	1290	67 *	22	30	70 - 130
Pentachlorophenol	1920	1120	58	23	30	20 - 160
Phenanthrene	1920	2540	76	26	30	70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike Dup

Client: BRINKERHOFF ENVIRONMENTAL
 Project: 138th Street, Bronx, NY; 10BR188
 Work Order: 1501909

Matrix:	Solid	Analysis Method:	EPA 8270
Prep Batch:	B5J2601	Prep Method:	EPA 3550B GCMS
Percent Solids:	87.00	Laboratory ID:	B5J2601-MSD1
		Client Sample ID:	1501903-02

ANALYTE	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
Anthracene	1920	1710	74	22	30	70 - 130
Di-n-butyl phthalate	1920	1450	74	20	30	70 - 130
Fluoranthene	1920	3180	80	30 *	30	70 - 130
Pyrene	1920	4340	135 *	19	30	70 - 130
Butylbenzylphthalate	1920	2140	110	12	30	70 - 130
Benzo[a]anthracene	1920	2340	77	27	30	70 - 130
bis(2-ethylhexyl)phthalate	1920	2280	114	12	30	70 - 130
Chrysene	1920	2500	77	27	30	70 - 130
Di-n-octyl phthalate	1920	5660	295 *	0.9	30	70 - 130
Benzo[b]fluoranthene	1920	3480	127	27	30	70 - 130
Benzo[k]fluoranthene	1920	2800	113	20	30	70 - 130
Benzo[a]pyrene	1920	2550	90	24	30	70 - 130
Indeno(1,2,3-cd)pyrene	1920	862	29 *	28	30	70 - 130
Dibenzo(a,h)anthracene	1920	829	36 *	19	30	70 - 130
Benzo[ghi]perylene	1920	753	24 *	27	30	70 - 130

* Values outside of QC limits



LCS / LCS DUPLICATE RECOVERY

EPA 8270

Client: **BRINKERHOFF ENVIRONMENTAL**
 Project: **138th Street, Bronx, NY; 10BR188**
 Work Order: **1501909**

Matrix:	Solid	Prep Method:	EPA 3550B GCMS
Prep Batch:	B5J2601	Lab Sample ID:	B5J2601-BS1

ANALYTE	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC.	QC LIMITS REC.
Pyridine	1670	1350	81	20 - 160
N-Nitrosodimethylamine	1670	1450	87	20 - 160
Aniline	1670	1360	82	20 - 160
Phenol	1670	1680	101	20 - 160
bis(2-chloroethyl)ether	1670	1610	97	70 - 130
2-Chlorophenol	1670	1540	93	70 - 130
1,3-Dichlorobenzene	1670	1480	89	70 - 130
1,4-Dichlorobenzene	1670	1480	89	70 - 130
Benzyl alcohol	1670	1470	88	20 - 160
1,2-Dichlorobenzene	1670	1470	88	70 - 130
2-Methylphenol	1670	1490	89	20 - 160
bis(2-chloroisopropyl)ether	1670	1800	108	70 - 130
3 & 4-Methylphenol	1670	1390	84	20 - 160
N-Nitroso-di-n-propylamine	1670	1450	87	70 - 130
Hexachloroethane	1670	1490	89	20 - 160
Nitrobenzene	1670	1500	90	70 - 130
Isophorone	1670	1530	92	70 - 130
2-Nitrophenol	1670	1530	92	70 - 130
2,4-Dimethylphenol	1670	1550	93	70 - 130
bis(2-chloroethoxy)methane	1670	1530	92	70 - 130
2,4-Dichlorophenol	1670	1480	89	70 - 130
1,2,4-Trichlorobenzene	1670	1420	85	70 - 130
Naphthalene	1670	1450	87	70 - 130
4-Chloroaniline	1670	648	39	70 - 130
Hexachlorobutadiene	1670	1400	84	70 - 130
4-Chloro-3-methylphenol	1670	1510	91	70 - 130
2-Methylnaphthylene	1670	1490	89	70 - 130
Hexachlorocyclopentadiene	1670	992	60	20 - 160



ANALYSIS DATA SHEET

Blank

Client: **BRINKERHOFF ENVIRONMENTAL**
 Work Order: **1501909**
 Project: **138th Street, Bronx, NY; 10BR188**

Matrix:	Solid	Laboratory ID:	B5J2622-BLK1	File ID:	D12785.D
Batch:	B5J2622	Prepared:	10/26/15 10:59	Analyzed:	10/26/15 10:59
Column:	1	Preparation:	EPA 5035A	Dilution:	
		Sequence:	S5J2611	Instrument:	GC/MS D

CAS NO.	COMPOUND	CONC. (ug/kg wet)	MDL	RL	Q
107-02-8	Acrolein	ND	6.00	10.0	U
107-13-1	Acrylonitrile	ND	2.00	10.0	U
67-64-1	Acetone	2.37	1.00	2.00	
75-71-8	Dichlorodifluoromethane	ND	1.00	2.00	U
74-87-3	Chloromethane	ND	1.00	2.00	U
75-01-4	Vinyl chloride	ND	1.00	2.00	U
74-83-9	Bromomethane	ND	1.00	2.00	U
75-00-3	Chloroethane	ND	1.00	2.00	U
75-69-4	Trichlorofluoromethane	ND	1.00	2.00	U
75-35-4	1,1-Dichloroethene	ND	1.00	2.00	U
75-15-0	Carbon disulfide	ND	1.00	2.00	U
75-09-2	Methylene Chloride	4.39	1.00	2.00	
156-60-5	trans-1,2-Dichloroethene	ND	1.00	2.00	U
75-34-3	1,1-Dichloroethane	ND	1.00	2.00	U
108-05-4	Vinyl acetate	ND	1.00	2.00	U
590-20-7	2,2-Dichloropropane	ND	1.00	2.00	U
78-93-3	2-Butanone	ND	1.00	2.00	U
156-59-4	cis-1,2-Dichloroethene	ND	1.00	2.00	U
67-66-3	Chloroform	ND	1.00	2.00	U
74-97-5	Bromochloromethane	ND	1.00	2.00	U
71-55-6	1,1,1-Trichloroethane	ND	1.00	2.00	U
563-58-6	1,1-Dichloropropene	ND	1.00	2.00	U
56-23-5	Carbon Tetrachloride	ND	1.00	2.00	U
107-06-2	1,2-Dichloroethane	ND	1.00	2.00	U



ANALYSIS DATA SHEET

Blank

Client: **BRINKERHOFF ENVIRONMENTAL**
 Work Order: **1501909**
 Project: **138th Street, Bronx, NY; 10BR188**

Matrix:	Solid	Laboratory ID:	B5J2622-BLK1	File ID:	D12785.D
Batch:	B5J2622	Prepared:	10/26/15 10:59	Analyzed:	10/26/15 10:59
Column:	1	Preparation:	EPA 5035A	Dilution:	
		Sequence:	S5J2611	Instrument:	GC/MS D

CAS NO.	COMPOUND	CONC. (ug/kg wet)	MDL	RL	Q
71-43-2	Benzene	ND	1.00	2.00	U
79-01-6	Trichloroethene	ND	1.00	2.00	U
78-87-5	1,2-Dichloropropane	ND	1.00	2.00	U
75-27-4	Bromodichloromethane	ND	1.00	2.00	U
74-95-3	Dibromomethane	ND	1.00	2.00	U
110-75-8	2-Chloroethyl vinyl ether	ND	1.00	2.00	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.00	2.00	U
108-88-3	Toluene	ND	1.00	2.00	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.00	2.00	U
79-00-5	1,1,2-Trichloroethane	ND	1.00	2.00	U
108-10-1	4-Methyl-2-pentanone	ND	1.00	2.00	U
106-93-4	1,2-Dibromoethane	ND	1.00	2.00	U
591-78-6	2-Hexanone	ND	1.00	2.00	U
142-28-9	1,3-Dichloropropane	ND	1.00	2.00	U
127-18-4	Tetrachloroethene	ND	1.00	2.00	U
124-48-1	Dibromochloromethane	ND	1.00	2.00	U
100-41-4	Ethylbenzene	ND	1.00	2.00	U
108-90-7	Chlorobenzene	ND	1.00	2.00	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.00	2.00	U
108-38-3/106-42-3	m,p-Xylenes	ND	2.00	4.00	U
95-47-6	o-Xylene	ND	2.00	4.00	U
100-42-5	Styrene	ND	1.00	4.00	U
75-25-2	Bromoform	ND	1.00	2.00	U
98-82-8	Isopropylbenzene	ND	1.00	2.00	U



ANALYSIS DATA SHEET

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Client: **BRINKERHOFF ENVIRONMENTAL**
 Work Order: **1501909**
 Project: **138th Street, Bronx, NY; 10BR188**

Matrix:	Solid	Laboratory ID:	B5J2622-BLK1	File ID:	D12785.D
Batch:	B5J2622	Prepared:	10/26/15 10:59	Analyzed:	10/26/15 10:59
Column:	1	Preparation:	EPA 5035A	Dilution:	
		Sequence:	S5J2611	Instrument:	GC/MS D

CAS NO.	COMPOUND	CONC. (ug/kg wet)	MDL	RL	Q
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane	ND	1.00	2.00	U
103-65-1	n-Propyl Benzene	ND	1.00	2.00	U
108-86-1	Bromobenzene	ND	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene	ND	1.00	2.00	U
95-49-8	2-Chlorotoluene	ND	1.00	2.00	U
106-43-4	4-Chlorotoluene	ND	1.00	2.00	U
98-06-6	tert-Butylbenzene	ND	1.00	2.00	U
95-63-6	1,2,4-Trimethylbenzene	ND	1.00	2.00	U
135-98-8	sec-Butylbenzene	ND	1.00	2.00	U
99-87-6	p-Isopropyltoluene	ND	1.00	2.00	U
541-73-1	1,3-Dichlorobenzene	ND	1.00	2.00	U
106-46-7	1,4-Dichlorobenzene	ND	1.00	2.00	U
104-51-8	n-Butyl Benzene	ND	1.00	2.00	U
95-50-1	1,2-Dichlorobenzene	ND	1.00	2.00	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.00	2.00	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.00	2.00	U
87-68-3	Hexachlorobutadiene	ND	1.00	2.00	U
91-20-3	Naphthalene	ND	1.00	2.00	U
87-61-6	1,2,3-Trichlorobenzene	ND	1.00	2.00	U
	<u>Surrogate</u>	<u>% Recovery</u>		<u>Recovery Limits</u>	
	1,2-Dichloroethane-d4	106%		70-130	
	Toluene-d8	104%		70-130	
	Bromofluorobenzene	101%		70-130	



SYSTEM MONITORING COMPOUND SUMMARY

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Project: 138th Street, Bronx, NY; 10BR188
Work Order: 1501909

Matrix: Solid
Instrument: GC/MS D

Lab Sample ID:	1,2-DCE-d4 (70% - 130%)	BFB (70% - 130%)	TOL-d8 (70% - 130%)
1501909-01	118	56*	93
1501909-02	111	87	102
B5J2622-BLK1	106	101	104
B5J2622-BS1	103	110	104
B5J2622-MS1	112	103	105
B5J2622-MSD1	114	101	105



SYSTEM MONITORING COMPOUND SUMMARY

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Project: 138th Street, Bronx, NY; 10BR188
Work Order: 1501909

Matrix: Solid
Instrument: GC/MS D

Lab Sample ID:	1,2-DCE-d4 (70% - 130%)	BFB (70% - 130%)	TOL-d8 (70% - 130%)
1501909-01RE1	110	51*	96
1501909-03	122	78	99
B5J2718-BLK1	108	104	106
B5J2718-BS1	105	116	108
B5J2718-MS1	112	113	103
B5J2718-MSD1	114	109	101



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Client: **BRINKERHOFF ENVIRONMENTAL**
 Project: **138th Street, Bronx, NY; 10BR188**
 Work Order: **1501909**

Matrix:	Solid	Analysis Method:	EPA 8260
Prep Batch:	B5J2622	Prep Method:	EPA 5035A
Percent Solids:	93.00	Laboratory ID:	B5J2622-MS1
		Client Sample ID:	1501906-01

ANALYTE	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC.	QC LIMITS REC.
Acrolein	269	ND	286	107	40 - 160
Acrylonitrile	269	ND	301	112	70 - 130
Acetone	53.8	2.84	62.0	110	40 - 160
Dichlorodifluoromethane	53.8	ND	52.7	98	40 - 160
Chloromethane	53.8	ND	62.2	116	40 - 160
Vinyl chloride	53.8	ND	61.5	114	70 - 130
Bromomethane	53.8	ND	61.0	113	40 - 160
Chloroethane	53.8	ND	54.7	102	40 - 160
Trichlorofluoromethane	53.8	ND	57.5	107	40 - 160
Freon 113	53.8	ND	51.3	95	70 - 130
1,1-Dichloroethene	53.8	ND	60.7	113	70 - 130
Carbon disulfide	53.8	ND	60.2	112	70 - 130
Methyl Acetate	53.8	ND	66.8	124	70 - 130
Methylene Chloride	53.8	1.90	75.0	136	* 70 - 130
trans-1,2-Dichloroethene	53.8	ND	61.8	115	70 - 130
1,1-Dichloroethane	53.8	ND	63.1	117	70 - 130
2,2-Dichloropropane	53.8	ND	61.0	113	70 - 130
2-Butanone	53.8	ND	55.5	103	40 - 160
cis-1,2-Dichloroethene	53.8	ND	64.1	119	70 - 130
Chloroform	53.8	ND	60.2	112	70 - 130
Bromochloromethane	53.8	ND	60.9	113	70 - 130
Cyclohexane	53.8	ND	51.7	96	70 - 130
1,1,1-Trichloroethane	53.8	ND	59.9	111	70 - 130
t-Butyl alcohol	53.8	ND	625	116	40 - 160
1,1-Dichloropropene	53.8	ND	55.2	103	70 - 130
Carbon Tetrachloride	53.8	ND	53.2	99	70 - 130
1,2-Dichloroethane	53.8	ND	61.1	114	70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike Dup

Client: BRINKERHOFF ENVIRONMENTAL
 Project: 138th Street, Bronx, NY; 10BR188
 Work Order: 1501909

Matrix:	Solid	Analysis Method:	EPA 8260
Prep Batch:	B5J2622	Prep Method:	EPA 5035A
Percent Solids:	93.00	Laboratory ID:	B5J2622-MSD1
		Client Sample ID:	1501906-01

ANALYTE	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
Acrolein	269	240	89	18	30	40 - 160
Acrylonitrile	269	312	116	3	30	70 - 130
Acetone	53.8	66.6	119	7	30	40 - 160
Dichlorodifluoromethane	53.8	53.3	99	1	30	40 - 160
Chloromethane	53.8	61.7	115	0.8	30	40 - 160
Vinyl chloride	53.8	61.4	114	0.2	30	70 - 130
Bromomethane	53.8	61.8	115	1	30	40 - 160
Chloroethane	53.8	52.5	98	4	30	40 - 160
Trichlorofluoromethane	53.8	57.3	107	0.3	30	40 - 160
Freon 113	53.8	50.4	94	2	30	70 - 130
1,1-Dichloroethene	53.8	62.0	115	2	30	70 - 130
Carbon disulfide	53.8	59.5	111	1	30	70 - 130
Methyl Acetate	53.8	75.0	139	12	30	70 - 130
Methylene Chloride	53.8	79.3	144	6	30	70 - 130
trans-1,2-Dichloroethene	53.8	62.9	117	2	30	70 - 130
1,1-Dichloroethane	53.8	64.1	119	2	30	70 - 130
2,2-Dichloropropane	53.8	61.5	114	0.8	30	70 - 130
2-Butanone	53.8	61.2	114	10	30	40 - 160
cis-1,2-Dichloroethene	53.8	64.7	120	1	30	70 - 130
Chloroform	53.8	61.3	114	2	30	70 - 130
Bromochloromethane	53.8	65.8	122	8	30	70 - 130
Cyclohexane	53.8	50.0	93	3	30	70 - 130
1,1,1-Trichloroethane	53.8	60.1	112	0.4	30	70 - 130
t-Butyl alcohol	538	702	131	12	30	40 - 160
1,1-Dichloropropene	53.8	54.2	101	2	30	70 - 130
Carbon Tetrachloride	53.8	52.8	98	0.7	30	70 - 130
1,2-Dichloroethane	53.8	62.5	116	2	30	70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike Dup

Client: BRINKERHOFF ENVIRONMENTAL
 Project: 138th Street, Bronx, NY; 10BR188
 Work Order: 1501909

Matrix:	Solid	Analysis Method:	EPA 8260
Prep Batch:	B5J2622	Prep Method:	EPA 5035A
Percent Solids:	93.00	Laboratory ID:	B5J2622-MSD1
		Client Sample ID:	1501906-01

ANALYTE	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
Benzene	53.8	60.2	112	2	30	70 - 130
Trichloroethene	53.8	67.2	125	10	30	70 - 130
Methylcyclohexane	53.8	41.9	78	6	30	70 - 130
1,2-Dichloropropane	53.8	63.7	118	3	30	70 - 130
Bromodichloromethane	53.8	60.3	112	0.2	30	70 - 130
Dibromomethane	53.8	63.0	117	5	30	70 - 130
2-Chloroethyl vinyl ether	53.8	64.7	120	5	30	40 - 160
cis-1,3-Dichloropropene	53.8	62.8	117	2	30	70 - 130
Toluene	53.8	56.7	105	0.3	30	70 - 130
trans-1,3-Dichloropropene	53.8	64.3	120	3	30	70 - 130
1,1,2-Trichloroethane	53.8	66.2	123	3	30	70 - 130
4-Methyl-2-pentanone	53.8	64.5	120	7	30	40 - 160
1,2-Dibromoethane	53.8	65.6	122	5	30	70 - 130
2-Hexanone	53.8	57.9	108	9	30	40 - 160
1,3-Dichloropropane	53.8	66.7	124	5	30	70 - 130
Tetrachloroethene	53.8	50.7	94	2	30	70 - 130
Dibromochloromethane	53.8	63.3	118	5	30	70 - 130
Ethylbenzene	53.8	54.9	102	1	30	70 - 130
Chlorobenzene	53.8	55.8	104	1	30	70 - 130
1,1,1,2-Tetrachloroethane	53.8	59.0	110	2	30	70 - 130
m,p-Xylenes	108	108	101	3	30	70 - 130
o-Xylene	108	105	98	1	30	70 - 130
Styrene	108	101	94	3	30	70 - 130
Bromoform	53.8	58.6	109	0.4	30	70 - 130
Isopropylbenzene	53.8	58.2	108	4	30	70 - 130
1,1,2,2-Tetrachloroethane	53.8	61.3	114	3	30	70 - 130
1,2,3-Trichloropropane	53.8	78.6	146	16	30	70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike Dup

Client: BRINKERHOFF ENVIRONMENTAL
 Project: 138th Street, Bronx, NY; 10BR188
 Work Order: 1501909

Matrix:	Solid	Analysis Method:	EPA 8260
Prep Batch:	B5J2622	Prep Method:	EPA 5035A
Percent Solids:	93.00	Laboratory ID:	B5J2622-MSD1
		Client Sample ID:	1501906-01

ANALYTE	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
n-Propyl Benzene	53.8	57.8	108	1	30	70 - 130
Bromobenzene	53.8	63.3	118	5	30	70 - 130
1,3,5-Trimethylbenzene	53.8	56.9	106	2	30	70 - 130
2-Chlorotoluene	53.8	59.9	111	3	30	70 - 130
4-Chlorotoluene	53.8	58.3	108	2	30	70 - 130
tert-Butylbenzene	53.8	55.8	104	0.7	30	70 - 130
1,2,4-Trimethylbenzene	53.8	57.0	106	2	30	70 - 130
sec-Butylbenzene	53.8	51.5	96	2	30	70 - 130
p-Isopropyltoluene	53.8	53.8	100	0.5	30	70 - 130
1,3-Dichlorobenzene	53.8	54.9	102	0.2	30	70 - 130
1,4-Dichlorobenzene	53.8	54.6	102	0.4	30	70 - 130
n-Butyl Benzene	53.8	51.4	96	4	30	70 - 130
1,2-Dichlorobenzene	53.8	57.4	107	2	30	70 - 130
1,2-Dibromo-3-chloropropane	53.8	70.7	132	13	30	40 - 160
1,2,4-Trichlorobenzene	53.8	45.8	85	6	30	70 - 130
Hexachlorobutadiene	53.8	36.1	67	12	30	70 - 130
Naphthalene	53.8	55.6	103	1	30	40 - 160
1,2,3-Trichlorobenzene	53.8	44.4	83	9	30	70 - 130
Methyl tert-Butyl Ether	108	139	130	16	30	70 - 130

* Values outside of QC limits



LCS / LCS DUPLICATE RECOVERY

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Project: 138th Street, Bronx, NY; 10BR188
Work Order: 1501909

Matrix:	Solid	Prep Method:	EPA 5035A
Prep Batch:	B5J2622	Lab Sample ID:	B5J2622-BS1

ANALYTE	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC.	QC LIMITS REC.
Acrolein	250	274	110	40 - 160
Acrylonitrile	250	281	112	70 - 130
Acetone	50.0	47.2	94	40 - 160
Dichlorodifluoromethane	50.0	52.6	105	40 - 160
Chloromethane	50.0	57.8	116	40 - 160
Vinyl chloride	50.0	58.8	118	70 - 130
Bromomethane	50.0	54.7	109	40 - 160
Chloroethane	50.0	51.8	104	40 - 160
Trichlorofluoromethane	50.0	53.0	106	40 - 160
Freon 113	50.0	50.0	100	70 - 130
1,1-Dichloroethene	50.0	59.3	119	70 - 130
Carbon disulfide	50.0	62.2	124	70 - 130
Methyl Acetate	50.0	52.2	104	70 - 130
Methylene Chloride	50.0	66.5	133*	70 - 130
trans-1,2-Dichloroethene	50.0	60.7	121	70 - 130
1,1-Dichloroethane	50.0	58.6	117	70 - 130
2,2-Dichloropropane	50.0	57.0	114	70 - 130
2-Butanone	50.0	47.9	96	40 - 160
cis-1,2-Dichloroethene	50.0	58.6	117	70 - 130
Chloroform	50.0	53.0	106	70 - 130
Bromochloromethane	50.0	54.6	109	70 - 130
Cyclohexane	50.0	52.0	104	70 - 130
1,1,1-Trichloroethane	50.0	57.4	115	70 - 130
t-Butyl alcohol	500	547	109	40 - 160
1,1-Dichloropropene	50.0	53.9	108	70 - 130
Carbon Tetrachloride	50.0	52.7	105	70 - 130
1,2-Dichloroethane	50.0	54.9	110	70 - 130
Benzene	50.0	56.3	113	70 - 130



LCS / LCS DUPLICATE RECOVERY

EPA 8260

Client: **BRINKERHOFF ENVIRONMENTAL**
 Project: **138th Street, Bronx, NY; 10BR188**
 Work Order: **1501909**

Matrix:	Solid	Prep Method:	EPA 5035A
Prep Batch:	B5J2718	Lab Sample ID:	B5J2718-BS1

ANALYTE	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC.	QC LIMITS REC.
Acrolein	250	291	116	40 - 160
Acrylonitrile	250	281	112	70 - 130
Acetone	50.0	37.0	74	40 - 160
Dichlorodifluoromethane	50.0	47.2	94	40 - 160
Chloromethane	50.0	55.3	111	40 - 160
Vinyl chloride	50.0	58.8	118	70 - 130
Bromomethane	50.0	57.5	115	40 - 160
Chloroethane	50.0	56.7	113	40 - 160
Trichlorofluoromethane	50.0	56.3	113	40 - 160
Freon 113	50.0	53.8	108	70 - 130
1,1-Dichloroethene	50.0	63.0	126	70 - 130
Carbon disulfide	50.0	62.3	125	70 - 130
Methyl Acetate	50.0	56.0	112	70 - 130
Methylene Chloride	50.0	69.1	138 *	70 - 130
trans-1,2-Dichloroethene	50.0	63.4	127	70 - 130
1,1-Dichloroethane	50.0	63.5	127	70 - 130
2,2-Dichloropropane	50.0	59.7	119	70 - 130
2-Butanone	50.0	53.3	107	40 - 160
cis-1,2-Dichloroethene	50.0	64.0	128	70 - 130
Chloroform	50.0	57.9	116	70 - 130
Bromochloromethane	50.0	57.8	116	70 - 130
Cyclohexane	50.0	54.7	109	70 - 130
1,1,1-Trichloroethane	50.0	59.4	119	70 - 130
t-Butyl alcohol	500	592	118	40 - 160
1,1-Dichloropropene	50.0	54.6	109	70 - 130
Carbon Tetrachloride	50.0	52.2	104	70 - 130
1,2-Dichloroethane	50.0	56.7	113	70 - 130
Benzene	50.0	57.0	114	70 - 130



INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
 Work Order: 1501909
 Project: 138th Street, Bronx, NY; 10BR188
 Sequence: S5J2611

Instrument: GC/MS D
 Calibration: 15J2804

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
EP-6 (1501909-01)			<i>Lab File ID: D12798.D</i>		<i>Analyzed: 10/26/15 17:52</i>				
Pentafluorobenzene	294219	6.44	899797	6.44	33	50 - 200	0.0000	+/-0.50	*
1,4-Difluorobenzene	513110	7.15	1569163	7.14	33	50 - 200	0.0100	+/-0.50	*
Chlorobenzene-d5	291861	11.19	1254965	11.18	23	50 - 200	0.0100	+/-0.50	*
1,4-Dichlorobenzene-d4	72799	14.19	553332	14.19	13	50 - 200	0.0000	+/-0.50	*
EP-7 (1501909-02)			<i>Lab File ID: D12799.D</i>		<i>Analyzed: 10/26/15 18:22</i>				
Pentafluorobenzene	543658	6.44	899797	6.44	60	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	1014165	7.14	1569163	7.14	65	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	776739	11.18	1254965	11.18	62	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	283024	14.18	553332	14.19	51	50 - 200	-0.0100	+/-0.50	
EP-8 (1501909-03RE1)			<i>Lab File ID: D12800.D</i>		<i>Analyzed: 10/26/15 18:52</i>				
Pentafluorobenzene	343654	6.44	899797	6.44	38	50 - 200	0.0000	+/-0.50	*
1,4-Difluorobenzene	645781	7.14	1569163	7.14	41	50 - 200	0.0000	+/-0.50	*
Chlorobenzene-d5	422796	11.18	1254965	11.18	34	50 - 200	0.0000	+/-0.50	*
1,4-Dichlorobenzene-d4	127612	14.19	553332	14.19	23	50 - 200	0.0000	+/-0.50	*

* Values outside of QC limits



INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
 Work Order: 1501909
 Project: 138th Street, Bronx, NY; 10BR188
 Sequence: S5J2714

Instrument: GC/MS D
 Calibration: 15J2804

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
EP-6 (1501909-01RE1)			<i>Lab File ID: D12825.D</i>		<i>Analyzed: 10/27/15 20:53</i>				
Pentafluorobenzene	292966	6.44	827579	6.43	35	50 - 200	0.0100	+/-0.50	*
1,4-Difluorobenzene	498711	7.15	1476809	7.13	34	50 - 200	0.0200	+/-0.50	*
Chlorobenzene-d5	279560	11.19	1198510	11.18	23	50 - 200	0.0100	+/-0.50	*
1,4-Dichlorobenzene-d4	66108	14.18	494191	14.18	13	50 - 200	0.0000	+/-0.50	*
EP-8 (1501909-03)			<i>Lab File ID: D12826.D</i>		<i>Analyzed: 10/27/15 21:23</i>				
Pentafluorobenzene	318734	6.44	827579	6.43	39	50 - 200	0.0100	+/-0.50	*
1,4-Difluorobenzene	591003	7.14	1476809	7.13	40	50 - 200	0.0100	+/-0.50	*
Chlorobenzene-d5	407796	11.18	1198510	11.18	34	50 - 200	0.0000	+/-0.50	*
1,4-Dichlorobenzene-d4	133683	14.19	494191	14.18	27	50 - 200	0.0100	+/-0.50	*

* Values outside of QC limits



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Client: BRINKERHOFF ENVIRONMENTAL
 Work Order: 1501909
 Project: 138th Street, Bronx, NY; 10BR188

Matrix:	Solid	Analysis:	EPA 6010
Batch:	B5J2620	Preparation:	EPA 3050B
% Solids:	93.00	Laboratory ID:	B5J2620-MS1
		Client Sample ID:	1501908-03

ANALYTE	SPIKE ADDED (mg/kg dry)	SAMPLE CONCENTRATION (mg/kg dry)	MS CONCENTRATION (mg/kg dry)	MS % REC.	QC LIMITS REC.
Aluminum	269	7650	11500	* 1430 *	75 - 125
Antimony	269	ND	243	90.3	75 - 125
Arsenic	269	6.96	263	95.1	75 - 125
Barium	269	79.9	331	93.5	75 - 125
Beryllium	269	ND	251	93.3	75 - 125
Cadmium	269	0.862	246	91.2	75 - 125
Calcium	269	8020	7160	* -318 *	75 - 125
Chromium	269	13.5	263	93.0	75 - 125
Cobalt	269	5.47	242	87.8	75 - 125
Copper	269	49.3	306	95.5	75 - 125
Iron	269	14900	17900	* 1110 *	75 - 125
Lead	269	105	340	87.5	75 - 125
Magnesium	269	2270	2820	* 206 *	75 - 125
Manganese	269	493	580	* 32.5 *	75 - 125
Nickel	269	10.6	247	87.8	75 - 125
Potassium	269	597	1460	* 321 *	75 - 125
Selenium	269	ND	235	87.4	75 - 125
Silver	26.9	ND	23.2	86.4	75 - 125
Sodium	269	138	428	108	75 - 125
Thallium	269	ND	219	81.6	75 - 125
Vanadium	269	18.6	275	95.3	75 - 125
Zinc	269	132	377	91.0	75 - 125

* spiked too low



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike Dup

Client: BRINKERHOFF ENVIRONMENTAL
 Work Order: 1501909
 Project: 138th Street, Bronx, NY; 10BR188

Matrix:	Solid	Analysis:	EPA 6010
Batch:	B5J2620	Preparation:	EPA 3050B
% Solids:	93.00	Laboratory ID:	B5J2620-MSD1
		Client Sample ID:	1501906-03

ANALYTE	SPIKE ADDED (mg/kg dry)	MSD CONCENTRATION (mg/kg dry)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
Aluminum	269	11200	1340	* ✖ 2.27	20	75 - 125
Antimony	269	241	89.6	0.800	20	75 - 125
Arsenic	269	260	94.2	0.967	20	75 - 125
Barium	269	324	90.7	2.23	20	75 - 125
Beryllium	269	249	92.7	0.624	20	75 - 125
Cadmium	269	245	90.9	0.329	20	75 - 125
Calcium	269	6520	-558	* ✖ 9.43	20	75 - 125
Chromium	269	259	91.5	1.54	20	75 - 125
Cobalt	269	240	87.4	0.469	20	75 - 125
Copper	269	303	94.4	1.02	20	75 - 125
Iron	269	16100	454	* ✖ 10.3	20	75 - 125
Lead	269	331	84.3	2.60	20	75 - 125
Magnesium	269	2810	203	* ✖ 0.248	20	75 - 125
Manganese	269	592	36.9	2.02	20	75 - 125
Nickel	269	246	87.7	0.196	20	75 - 125
Potassium	269	1400	299	4.25	20	75 - 125
Selenium	269	234	86.9	0.574	20	75 - 125
Silver	26.9	23.1	86.1	0.394	20	75 - 125
Sodium	269	441	113	2.99	20	75 - 125
Thallium	269	219	81.5	0.172	20	75 - 125
Vanadium	269	275	95.4	0.0391	20	75 - 125
Zinc	269	369	88.1	2.07	20	75 - 125

* spiked too low

* Values outside of QC limits

Appendix C

Validator Qualifications

MICHAEL K. PERRY
Chemist/Data Validator

B.S. Chemistry, Georgia State University, Atlanta, GA

A.A.S., Chemical Technology, Alfred State College, Alfred, NY

Mr. Perry has over 30 years of experience in the analytical laboratory business. During his early career, he spent several years as a laboratory analyst performing the analysis of soil, water, and air samples for inorganic and organic chemical parameters. During his last 20 years in the environmental laboratory business, he managed and directed two major analytical laboratories in Rochester, NY. His management responsibilities included oversight of the daily operations of the lab, staff training and supervision, the selection, purchase, and maintenance of analytical instruments, the introduction of new laboratory methods, analytical quality assurance and quality control, data acquisition and management, and other business-related activities.

Mr. Perry has an extensive working knowledge of the methods and procedures used for sampling and analyzing both inorganic and organic analytes in soil, water, and air. He is an accomplished laboratory chemist and is familiar with the analytical methods and procedures established under the USEPA Contract Laboratory Protocols (CLP), the NYSDEC Analytical Services Protocols (ASP), and the NYSDOH Environmental Laboratory Approval Program (ELAP).

KENNETH R. APPLIN
Geochemist/Data Validator

Ph.D., Geochemistry and Mineralogy, The Pennsylvania State University

M.S., Geochemistry and Mineralogy, The Pennsylvania State University

B.A., Geological Sciences, SUNY at Geneseo, NY

Dr. Applin has over 35 years of experience working with the geochemistry of natural waters. His prior experience includes working as an Assistant Professor of Geology at the University of Missouri-Columbia and as Chief Hydrogeologist and Geochemist with a leading engineering firm in Rochester, NY. In 1993, he established KR Applin and Associates, a small consulting business that focuses on the geochemistry of natural waters, especially as applied to problems involving the contamination of groundwater and surface water.

Dr. Applin is also an experienced analytical data validator and has provided data validation services since 1994 to a variety of clients performing brownfield cleanup projects, hazardous waste remediation, groundwater monitoring at solid waste facilities, and other projects requiring third-party data validation. Dr. Applin has several years of hands-on experience with the laboratory analysis of natural waters and has successfully completed the USEPA Region II certification courses for performing inorganic and organic analytical data validation.

DATA USABILITY SUMMARY REPORT (DUSR)

**Former G & C Services
255 East 138th Street
Block 2333, Lot 1
Bronx, Bronx County, NY
NYSDEC BCP # C203057**

SDG: 1501914

1 Soil Sample

Prepared for:

**Brinkerhoff Environmental Services, Inc.
1805 Atlantic Avenue
Manasquan, NJ 08736**

December 2015



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REVIEWER'S NARRATIVE
SDG 1501914

The data associated with this Sample Delivery Group (SDG) 1501914, analyzed by Accredited Analytical Resources, LLC, Carteret, NJ have been reviewed in accordance with assessment criteria provided by the New York State Department of Environmental Conservation following the review procedures provided in the USEPA Functional Guidelines for evaluating organic and inorganic data.

All analytical results reported by the laboratory are considered valid and acceptable except results that have been qualified as rejected, "R". Results qualified as estimated "J", or as non-detects, "U", are considered usable for the purpose of evaluating water and/or soil quality. However, these qualifiers indicate that the accuracy and/or precision of the analytical result is questionable. A summary of all data that have been qualified and the reasons for qualification are provided in the following data usability summary report (DUSR).

Two facts should be noted by all data users. First, the "R" qualifier means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the analyte is present or not. Values qualified with an "R" should not appear on the final data tables because they cannot be relied upon, even as the last resort. Second, no analyte concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error.

Reviewer's Signature: Michael K. Perry Date: 12/12/15
Michael K. Perry
Chemist

1.0 SUMMARY

SITE: 255 East 138th Street.
Bronx , NY

SAMPLING DATE: October 23, 2015

SAMPLE TYPE: 1 soil sample

LABORATORY: Accredited Analytical Resources, LLC.
Carteret, NJ

SDG No.: 1501914

2.0 INTRODUCTION

This data usability summary report (DUSR) was prepared in accordance with guidance provided by the New York State Department of Environmental Conservation (NYSDEC). The DUSR is based on a review and evaluation of the laboratory analytical data package. Specifically, the NYSDEC guidance recommends review and evaluation of the following elements of the data package:

- Completeness of the data package as defined under the requirements of the NYSDEC Analytical Services Protocols (ASP) Category B or the United States Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) deliverables,
- Compliance with established analyte holding times,
- Adherence to quality control (QC) limits and specifications for blanks, instrument tuning and calibration, surrogate recoveries, spike recoveries, laboratory duplicate analyses, and other QC criteria,
- Adherence to established analytical protocols,
- Conformance of data summary sheets with raw analytical data, and
- Use of correct data qualifiers.

Data deficiencies, analytical protocol deviations, and quality control problems identified using the review criteria above and their effect on the analytical results are discussed in this report.

3.0 SAMPLE AND ANALYSIS SUMMARY

The data package consists of analytical results for one soil sample collected on October 23, 2015. This sample was analyzed for volatile organic compounds, semi-volatile organic compounds, pesticides, polychlorinated biphenyls (PCBs), TAL metals, and total cyanide.

All laboratory analyses were performed by Accredited Analytical Resources, LLC., Carteret, NJ and analyzed as SDG 1501914. The analytical results were provided in NYSDEC ASP Category B format, which includes all raw analytical data and laboratory QC data.

4.0 GUIDANCE DOCUMENTS AND DATA REVIEW CRITERIA

The guidance documents used for reviewing laboratory quality control (QC) data and assigning data qualifiers (flags) to analytical results are listed in Table 4-1. The QC limits established in the documents applicable to this data review were used to assess the quality of the analytical results. In some cases, however, QC limits established internally by the laboratory were taken into account to determine data quality.

The QC criteria considered for assessing the usability of the reported analytical results provided for each analyte type (i.e. VOCs, SVOCs, metals, etc.) are listed in Table 4-2. These criteria may vary with the analytical method utilized by the laboratory. These criteria comply with the guidance recommended in Section 2.0 above.

5.0 DATA VALIDATION QUALIFIERS

The letter qualifiers (flags) used to define data usability are described briefly below. These letters are assigned by the data validator to analytical results having questionable accuracy and/or precision as determined by reviewing the laboratory QC data associated with the analytical results.

TABLE 4-1**DATA VALIDATION GUIDANCE DOCUMENTS**

Analyte Type	Validation Guidance
VOCs	USEPA, 2008, Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry; SW-846 Method 8260B; SOP # HW-24, Rev. 2. USEPA, 2008, Statement of Work for Organic Analysis of Low/Medium Concentration of Volatile Organic Compounds SOM01.2; SOP HW-33, Rev. 2.
SVOCs	USEPA, 2007, Statement of Work for Organic Analysis of Low/Medium Concentration of Semivolatile Organic Compounds SOM01.2; SOP HW-35, Rev. 1.
Pesticides/PCBs	USEPA, 2006, CLP Organics Data Review and Preliminary Review (CLP/SOW OLMO 4.3); SOP # HW-6, Rev. 14, Part C.
Metals	USEPA, 2006, Validation of Metals for the Contract Laboratory Program (CLP) based on SOW ILMO 5.3 (SOP Revision 13), SOP # HW-2, Rev. 13.
Gen Chemistry	NYSDEC, 2005, Analytical Services Protocols (ASP)
VOCs (Ambient air)	USEPA, 2006, Validating Air Samples, Volatile Organic Analysis of Ambient Air in Canister by Method TO-15; SOP # HW-31, Rev. 4.

TABLE 4-2

**QUALITY CONTROL CRITERIA USED FOR VALIDATING
LABORATORY ANALYTICAL DATA**

VOCs	SVOCs	Pesticides/PCBs	Metals	Gen Chemistry	Method TO-15
Completeness of Pkg Sample Condition Holding Time System Monitoring Compounds Lab Control Sample Matrix Spikes Blanks Instrument Tuning Internal Standards Initial Calibration Continuing Calibration Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Time Surrogate Recoveries Lab Control Sample Matrix Spikes Blanks Instrument Tuning Internal Standards Initial Calibration Continuing Calibration Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Time Surrogate Recoveries Matrix Spikes Blanks Instrument Calibration & Verification Analyte ID Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Time Initial/Continuing Calibration CRDL Standards Blanks Interference Check Sample Spike Recoveries Lab Duplicate Lab Control Sample ICP Serial Dilutions Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Times Calibration Lab Control Samples Blanks Spike Recoveries Lab Duplicates	Completeness of Pkg Sample Condition Holding Time Canister Certification Lab Control Sample Instrument Tuning Blanks Initial Calibration & System Performance Daily Calibration Field Duplicate

The laboratory may also use various letters and symbols to flag analytical results generated when QC limits were exceeded. The meanings of these flags may differ from those used by the independent data validator. Those used by the laboratory are provided with the analytical results.

NOTE: The assignment of data qualifiers by the data reviewer (validator) to laboratory analytical results should not necessarily be interpreted by the data user as a measure of laboratory ability or proficiency. Rather, the qualifiers are intended to provide a measure of data accuracy and precision to the data user, which, for example, may provide a level of confidence in determining whether or not standards or cleanup objectives have been met.

- U** The analyte was analyzed for but was not detected at or above the sample quantitation limit.
- J** The analyte was positively identified; the associated numerical value is the *approximate* concentration of the analyte in the sample. (The magnitude of any \pm value associated with the result is not determined by data validation).
- UJ** The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is *approximate* and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R** The sample result is rejected (i.e., is unusable) due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
- N** The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
- JN** The analyte is considered to be "presumptively present." The associated numerical value represents its *approximate* concentration.

The validated analytical results are attached to this report. Validation qualifiers (flags) are indicated using red ink. Data sheets having qualified data are signed and dated by the data reviewer.

6.0 RESULTS OF THE DATA REVIEW

The results of the data review are summarized in Tables 6-1 through 6-6. The tables list the samples where QC criteria were found to exceed acceptable limits and the actions taken to qualify the associated analytical results.

7.0 TOTAL USABLE DATA

For SDG 1501914, one sample was analyzed and results were reported for 188 analytes. One result was rejected. Even though some results were flagged with a "J" as estimated, all other results (99 %) are considered usable. See the summary table for the analyses that have been rejected and the associated QC reasons.

Table 6-1 **VOCs**

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
EP-9(1501914-01)	Several compounds	none	MS/MSD > QC limit	Matrix interference suspected/LCS within QC limits
EP-9(1501914-01)	Methylene Chloride	J detects	LCS > QC limit	Detected results are estimated
EP-9(1501914-01)	Acetone Methylene Chloride	B	Method Blank contamination	Sample results up to 10X blank level have been flagged with a "B". Common lab contaminants.
EP-6(1501909-01)	All analytes	J detects/UJ non-detects	% BFB < QC limit	All results are estimated.
EP-9(1501914-01)	All analytes	J detects/UJ non-detects	IS#1,2,3, and 4 < 50 % QC limit	All results are estimated.

Table 6-2 **SVOCs**

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
EP-9(1501914-01)	Several compounds	none	MS/MSD < QC limit	Matrix interference suspected/LCS within QC limits
EP-9(1501914-01)	4-Chloroaniline	"UJ"	LCS < QC limit	All samples non-detect

Table 6-3 Pesticides

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

Table 6-4 PCBs

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

Table 6-5 TAL Metals

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
EP-9(1501914-01)	Manganese	R all data	% Recovery > 200 %	One result was rejected.

Table 6-6 Total Cyanide

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

ACRONYMS

CCAL	Continuing Calibration
CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification
CRDL	Contract Required Detection Limit
CRQL	Contract Required Quantitation Limit
%D	Percent Difference
ICAL	Initial Calibration
ICB	Initial Calibration Blank
IS	Internal Standard
LCS	Laboratory Control Sample
MS/MSD	Matrix Spike/Matrix Spike Duplicate
QA	Quality Assurance
QC	Quality Control
%R	Percent recovery
RPD	Relative Percent Difference
%RSD	Percent Relative Standard Deviation
TAL	Target Analyte List (metals)
TCL	Target Compound List (organics)

Appendix A

*Validated
Analytical
Results*



Accredited Analytical Resources, LLC.

ANALYTICAL REPORT

for

BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.

Manasquan, NJ 08736

Project: 138th Street, Bronx, NY; 10BR188

AAR Work Order: 1501914

<u>Client Sample ID:</u> EP-9	<u>Lab Sample ID:</u> 1501914-01
-----------------------------------------	--------------------------------------------

This data has been reviewed and accepted by:

Daniel Miguel
Technical Director

11/19/2015

New Jersey Certification Number: 12007
New York Certification Number: 11109
Pennsylvania Certification Number: 68-02799

This report shall not be reproduced, except in its entirety, without the written consent of Accredited Analytical Resources, LLC.
The test results included in this report relate only to the samples analyzed.



Accredited Analytical Resources, LLC.

20 PERSHING AVE, CARTERET, NJ 07008
 Tel. 732-969-6112 FAX 732-541-1383
 WEB: WWW.ACCREDITEDANALYTICAL.COM

CHAIN OF CUSTODY FORM

STATE AGENCY (CIRCLE ONE)	NJ (NY) PA
PROJECT NAME:	138th St., Bronx, NY, 106188
CONTACT:	Doug Hamm
OFFICE PHONE #:	732-223-2225
OFFICE FAX #:	732-223-3666
INITIAL RESULTS TO:	Doug Hamm
EMAIL FOR INVOICE:	dhamm@brink.env

CLIENT NAME:	Brinkerhoff Environmental Services
ADDRESS:	1805 Atlantic Ave
CITY:	Manasquan
STATE:	NJ
ZIP:	08736

AAR QUOTE #	1501914
AAR WORK ORDER #	
P.O. #	

ANALYSIS

FRES. CODE	CONT. CODE	AAR SAMPLE #
		-01
TAL BUI TCL BUI		

COLLECTION INFORMATION

CUSTOMER SAMPLE #/ID	DATE/TIME SAMPLED	MATRIX CODE	DEPTH	# OF CONTAINERS	CRAB (G)	CCMP (C)
EP-9	10/23/15 AM 11:00	S		4	G	

MATRIX CODES: S = SOIL A = AQUEOUS GW = GROUND WATER WW = WASTE WATER SW = SURFACE WATER P = POTABLE WATER O = OIL K = SOLID X = OTHER

CONTAINER TYPE CODES: G = GLASS P = PLASTIC E = ENCORE PRESERVATIVES CODES: 1 = HCL 2 = HNO3 3 = H2SO4 4 = NaOH 5 = OTHER

TURNAROUND TIME (CIRCLE ONE): **STANDARD** 5 DAY 72 HRS. 48 HRS. 24 HRS. OTHER
 (IF BLANK STANDARD WILL APPLY)

REPORT TYPE: RESULTS ONLY REDUCED FULL EDD EXCEL SPREADSHEET

COMMENTS: Send invoice to Brinkerhoff; NYSDEC Category B data deliverable COOLER TEMP: 40C

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: Monica Norton SIGN: Monica Norton

SIGN BELOW WHEN DELIVERING SAMPLES. EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY, CUSTODY MUST BE DOCUMENTED.

RELINQUISHED BY: Print Name: Monica Norton Signature: Monica Norton Agent of: Date Received: 10/26/15 Time: 9:50	RECEIVED BY: Print Name: [Signature] Signature: [Signature] Agent of: Date Received: 10/26/15 Time: 9:50	RELINQUISHED BY: Print Name: [Signature] Signature: [Signature] Agent of: Date Received: 10/26/15 Time: 12:30	RECEIVED BY: Print Name: K. MUMIZ Signature: K. MUMIZ Agent of: AAR Date Received: 10/26/15 Time: 12:30
RELINQUISHED BY: Print Name: Signature: Agent of: Date Received: / / Time:	RECEIVED BY: Print Name: Signature: Agent of: Date Received: / / Time:	RELINQUISHED BY: Print Name: Signature: Agent of: Date Received: / / Time:	RECEIVED BY: Print Name: Signature: Agent of: Date Received: / / Time:



Case Narrative

Conformance / Non-Conformance Summary

Accredited Analytical Resources, LLC received 1 sample(s) from BRINKERHOFF ENVIRONMENTAL (Project: 138th Street, Bronx, NY; 10BR188) on 10/26/2015 12:20:00 PM.

All analyses were performed within the required holding time.

In the Volatile Organic analyses, the laboratory control sample (LCS) and/or laboratory control sample duplicate (LCSD) for Batch B5J2622 and B5J2718 recovered outside control limits for certain analytes. These analytes were outside DKQP limits, but within the house limits; therefore, the data has been reported.

In the Volatile Organic analyses, the MS/MSD for B5J2622 and B5J2718 had compounds recovered outside acceptance criteria due to matrix interference, the LCS's were recovered within acceptance limits; therefore, no further action required.

In the Volatile Organic analyses, the methylene chloride result reported is due to laboratory contamination.

In the BNA analyses, the laboratory control sample (LCS) and/or laboratory control sample duplicate (LCSD) for Batch B5J2710 recovered outside control limits for certain analytes. These analytes were outside DKQP limits, but within the house limits; therefore, the data has been reported.

In the BNA analyses, the MS/MSD for B5J2710 had compounds recovered outside acceptance criteria due to matrix interference, the LCS was recovered within acceptance limits; therefore, no further action required.

In the Metals analysis the recoveries of the MS/MSD were outside of acceptance criteria. The QC sample had concentrations too high to be able to determine a spike recovery. The LCS was within acceptance criteria for those metals out in the MS/MSD. The results are included in this data package.

Except for the parameters tested AAR makes no representation as to the fitness or quality of the sample (s) taken.

"The laboratory has reviewed the quality assurance and quality control measurements for the sample analyses.

Daniel Miguel
Technical Director



ANALYSIS DATA SHEET

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-9
Lab Sample ID: 1501914-01
Project: 138th Street, Bronx, NY; 10BR188
Work Order: 1501914

Date Sampled:	10/23/15 11:00	Prep Date:	10/27/15 09:15	Matrix:	Soil
Percent Solids:	68.60	Prep Method:	EPA 3550B	File ID:	A20145.D
Prep Batch:	B5J2708	Sequence:	S5J2703	Analyzed:	10/27/15 23:05
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
319-84-6	alpha-BHC	ND	0.962	0.962	U
319-85-7	beta-BHC	ND	0.962	0.962	U
319-86-8	delta-BHC	ND	0.962	0.962	U
58-89-9	gamma-BHC [Lindane]	ND	0.962	0.962	U
76-44-8	Heptachlor	ND	0.962	0.962	U
309-00-2	Aldrin	ND	0.962	0.962	U
1024-57-3	Heptachlor Epoxide	ND	0.962	0.962	U
959-98-8	Endosulfan I	ND	0.962	0.962	U
60-57-1	Dieldrin	ND	1.94	1.94	U
72-55-9	4,4'-DDE	ND	1.94	1.94	U
72-20-8	Endrin	ND	1.94	1.94	U
33213-65-9	Endosulfan II	ND	1.94	1.94	U
72-54-8	4,4'-DDD	ND	1.94	1.94	U
1031-07-8	Endosulfan sulfate	ND	1.94	1.94	U
50-29-3	4,4'-DDT	ND	1.94	1.94	U
72-43-5	Methoxychlor	ND	9.71	9.71	U
53494-70-5	Endrin ketone	ND	1.94	1.94	U
7421-93-4	Endrin aldehyde	ND	1.94	1.94	U
5103-71-9	alpha-Chlordane	ND	0.962	0.962	U
5566-34-7	gamma-Chlordane	ND	0.962	0.962	U
8001-35-2	Toxaphene	ND	48.5	48.5	U
12674-11-2	Aroclor-1016	ND	24.2	48.5	U



ANALYSIS DATA SHEET

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-9
Lab Sample ID: 1501914-01
Project: 138th Street, Bronx, NY; 10BR188
Work Order: 1501914

Date Sampled:	10/23/15 11:00	Prep Date:	10/27/15 09:15	Matrix:	Soil
Percent Solids:	68.60	Prep Method:	EPA 3550B	File ID:	A20145.D
Prep Batch:	B5J2708	Sequence:	S5J2703	Analyzed:	10/27/15 23:05
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
11104-28-2	Aroclor-1221	ND	24.2	48.5	U
11141-16-5	Aroclor-1232	ND	24.2	48.5	U
53469-21-9	Aroclor-1242	ND	24.2	48.5	U
12672-29-6	Aroclor-1248	ND	24.2	48.5	U
11097-69-1	Aroclor-1254	ND	24.2	48.5	U
11096-82-5	Aroclor-1260	ND	24.2	48.5	U
37324-23-5	Aroclor-1262	ND	24.2	48.5	U
11100-14-4	Aroclor-1268	ND	24.2	48.5	U

<u>Surrogate</u>	<u>% Recovery</u>	<u>Recovery Limits</u>
Tetrachloro-m-xylene	77.7%	30-150
Tetrachloro-m-xylene [2C]	84.9%	30-150
Decachlorobiphenyl	89.5%	30-150
Decachlorobiphenyl [2C]	105%	30-150

* Values outside of QC limits

ND - Indicates compound analyzed for but not detected

U - Indicates compound analyzed for but not detected

J - Indicates estimated value for TICs and all results when detected below the RL

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.

MDL - Minimum detection limit

RL - Reporting limit



ANALYSIS DATA SHEET
EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-9
Lab Sample ID: 1501914-01
Project: 138th Street, Bronx, NY; 10BR188
Work Order: 1501914

Date Sampled:	10/23/15 11:00	Prep Date:	10/27/15 10:13	Matrix:	Soil
Percent Solids:	68.60	Prep Method:	EPA 3550B GCMS	File ID:	E9353.D
Prep Batch:	B5J2710	Sequence:	S5J2709	Analyzed:	10/27/15 18:25
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
62-75-9	N-Nitrosodimethylamine	ND	48.5	243	U
108-95-2	Phenol	ND	48.5	243	U
111-44-4	bis(2-chloroethyl)ether	ND	48.5	243	U
95-57-8	2-Chlorophenol	ND	48.5	243	U
541-73-1	1,3-Dichlorobenzene	ND	48.5	243	U
106-46-7	1,4-Dichlorobenzene	ND	48.5	243	U
100-51-6	Benzyl alcohol	ND	48.5	243	U
95-50-1	1,2-Dichlorobenzene	ND	48.5	243	U
95-48-7	2-Methylphenol	ND	48.5	243	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	48.5	243	U
106-44-5	3 & 4-Methylphenol	ND	48.5	243	U
621-64-7	N-Nitroso-di-n-propylamine	ND	48.5	243	U
67-72-1	Hexachloroethane	ND	48.5	243	U
98-95-3	Nitrobenzene	ND	48.5	243	U
78-59-1	Isophorone	ND	48.5	243	U
88-75-5	2-Nitrophenol	ND	48.5	243	U
105-67-9	2,4-Dimethylphenol	ND	48.5	243	U
65-85-0	Benzoic acid	ND	121	485	U
111-91-1	bis(2-chloroethoxy)methane	ND	48.5	243	U
120-83-2	2,4-Dichlorophenol	ND	48.5	243	U
120-82-1	1,2,4-Trichlorobenzene	ND	48.5	243	U
91-20-3	Naphthalene	ND	48.5	243	U
106-47-8	4-Chloroaniline	ND <i>us</i>	48.5	243 <i>us</i>	U
87-68-3	Hexachlorobutadiene	ND	48.5	243	U
59-50-7	4-Chloro-3-methylphenol	ND	48.5	243	U

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ANALYSIS DATA SHEET
EPA 8270

Client: **BRINKERHOFF ENVIRONMENTAL**
 Client Sample ID: **EP-9**
 Lab Sample ID: **1501914-01**
 Project: **138th Street, Bronx, NY; 10BR188**
 Work Order: **1501914**

Date Sampled:	10/23/15 11:00	Prep Date:	10/27/15 10:13	Matrix:	Soil
Percent Solids:	68.60	Prep Method:	EPA 3550B GCMS	File ID:	E9353.D
Prep Batch:	B5J2710	Sequence:	S5J2709	Analyzed:	10/27/15 18:25
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
91-57-6	2-Methylnaphthylene	ND	48.5	243	U
77-47-4	Hexachlorocyclopentadiene	ND	48.5	243	U
88-06-2	2,4,6-Trichlorophenol	ND	48.5	243	U
95-95-4	2,4,5-Trichlorophenol	ND	48.5	243	U
91-58-7	2-Chloronaphthalene	ND	48.5	243	U
88-74-4	2-Nitroaniline	ND	48.5	243	U
131-11-3	Dimethylphthalate	ND	48.5	243	U
208-96-8	Acenaphthylene	ND	48.5	243	U
99-09-2	3-Nitroaniline	ND	48.5	243	U
83-32-9	Acenaphthene	ND	48.5	243	U
51-28-5	2,4-Dinitrophenol	ND	48.5	485	U
100-02-7	4-Nitrophenol	ND	48.5	243	U
132-64-9	Dibenzofuran	ND	48.5	243	U
606-20-2	2,6-Dinitrotoluene	ND	48.5	243	U
121-14-2	2,4-Dinitrotoluene	ND	48.5	243	U
84-66-2	Diethyl phthalate	ND	48.5	243	U
7005-72-3	4-Chlorophenyl-phenylether	ND	48.5	243	U
86-73-7	Fluorene	ND	48.5	243	U
100-01-6	4-Nitroaniline	ND	48.5	243	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	48.5	243	U
86-30-6	N-Nitrosodiphenylamine	ND	48.5	243	U
101-55-3	4-Bromophenyl-phenylether	ND	48.5	243	U
118-74-1	Hexachlorobenzene	ND	48.5	243	U
87-86-5	Pentachlorophenol	ND	48.5	243	U
85-01-8	Phenanthrene	72.4	48.5	243	J



ANALYSIS DATA SHEET
EPA 8270

Client: **BRINKERHOFF ENVIRONMENTAL**
 Client Sample ID: **EP-9**
 Lab Sample ID: **1501914-01**
 Project: **138th Street, Bronx, NY; 10BR188**
 Work Order: **1501914**

Date Sampled:	10/23/15 11:00	Prep Date:	10/27/15 10:13	Matrix:	Soil
Percent Solids:	68.60	Prep Method:	EPA 3550B GCMS	File ID:	E9353.D
Prep Batch:	B5J2710	Sequence:	S5J2709	Analyzed:	10/27/15 18:25
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
120-12-7	Anthracene	ND	48.5	243	U
84-74-2	Di-n-butyl phthalate	ND	48.5	243	U
206-44-0	Fluoranthene	86.0	48.5	243	J
129-00-0	Pyrene	85.5	48.5	243	J
85-68-7	Butylbenzylphthalate	ND	48.5	243	U
91-94-1	3,3'-Dichlorobenzidine	ND	121	243	U
56-55-3	Benzo[a]anthracene	ND	48.5	243	U
117-81-7	bis(2-ethylhexyl)phthalate	ND	48.5	243	U
218-01-9	Chrysene	ND	48.5	243	U
117-84-0	Di-n-octyl phthalate	ND	48.5	243	U
205-99-2	Benzo[b]fluoranthene	ND	48.5	243	U
207-08-9	Benzo[k]fluoranthene	ND	48.5	243	U
50-32-8	Benzo[a]pyrene	ND	48.5	243	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	48.5	243	U
53-70-3	Dibenzo(a,h)anthracene	ND	48.5	243	U
191-24-2	Benzo[ghi]perylene	ND	48.5	243	U

<u>Surrogate</u>	<u>% Recovery</u>	<u>Recovery Limits</u>
2-Fluorophenol	60%	30-130
Phenol-d5	74%	30-130
Nitrobenzene-d5	70%	30-130
2-Fluorobiphenyl	68%	30-130
2,4,6-Tribromophenol	74%	30-130
Terphenyl-d14	84%	30-130



ANALYSIS DATA SHEET
EPA 8260

Client: **BRINKERHOFF ENVIRONMENTAL**
 Client Sample ID: **EP-9**
 Lab Sample ID: **1501914-01**
 Project: **138th Street, Bronx, NY; 10BR188**
 Work Order: **1501914**

Date Sampled:	10/23/15 11:00	Prep Date:	10/26/15 19:22	Matrix:	Soil
Percent Solids:	68.60	Prep Method:	EPA 5035A	File ID:	D12801.D
Prep Batch:	B5J2622	Sequence:	S5J2611	Analyzed:	10/26/15 19:22
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
107-02-8	Acrolein	ND <i>W</i>	9.76	16.3	U
107-13-1	Acrylonitrile	ND <i>J</i>	3.25	16.3	U
67-64-1	Acetone	5.58 <i>B</i>	1.63	3.25	B
75-71-8	Dichlorodifluoromethane	ND <i>W</i>	1.63	3.25	U
74-87-3	Chloromethane	ND	1.63	3.25	U
75-01-4	Vinyl chloride	ND	1.63	3.25	U
74-83-9	Bromomethane	ND	1.63	3.25	U
75-00-3	Chloroethane	ND	1.63	3.25	U
75-69-4	Trichlorofluoromethane	ND	1.63	3.25	U
75-35-4	1,1-Dichloroethene	ND	1.63	3.25	U
75-15-0	Carbon disulfide	ND	1.63	3.25	U
75-09-2	Methylene Chloride	13.4 <i>JB</i>	1.63	3.25	B
156-60-5	trans-1,2-Dichloroethene	ND <i>uJ</i>	1.63	3.25	U
75-34-3	1,1-Dichloroethane	ND	1.63	3.25	U
108-05-4	Vinyl acetate	ND	1.63	3.25	U
590-20-7	2,2-Dichloropropane	ND	1.63	3.25	U
78-93-3	2-Butanone	ND	1.63	3.25	U
156-59-4	cis-1,2-Dichloroethene	ND	1.63	3.25	U
67-66-3	Chloroform	ND	1.63	3.25	U
74-97-5	Bromochloromethane	ND	1.63	3.25	U
71-55-6	1,1,1-Trichloroethane	ND	1.63	3.25	U
563-58-6	1,1-Dichloropropene	ND	1.63	3.25	U
56-23-5	Carbon Tetrachloride	ND	1.63	3.25	U
107-06-2	1,2-Dichloroethane	ND	1.63	3.25	U
71-43-2	Benzene	ND	1.63	3.25	U

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ANALYSIS DATA SHEET
EPA 8260

Client: **BRINKERHOFF ENVIRONMENTAL**
 Client Sample ID: **EP-9**
 Lab Sample ID: **1501914-01**
 Project: **138th Street, Bronx, NY; 10BR188**
 Work Order: **1501914**

Date Sampled:	10/23/15 11:00	Prep Date:	10/26/15 19:22	Matrix:	Soil
Percent Solids:	68.60	Prep Method:	EPA 5035A	File ID:	D12801.D
Prep Batch:	B5J2622	Sequence:	S5J2611	Analyzed:	10/26/15 19:22
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
79-01-6	Trichloroethene	ND <i>LS</i>	1.63	3.25	U
78-87-5	1,2-Dichloropropane	ND	1.63	3.25	U
75-27-4	Bromodichloromethane	ND	1.63	3.25	U
74-95-3	Dibromomethane	ND	1.63	3.25	U
110-75-8	2-Chloroethyl vinyl ether	ND	1.63	3.25	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.63	3.25	U
108-88-3	Toluene	ND	1.63	3.25	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.63	3.25	U
79-00-5	1,1,2-Trichloroethane	ND	1.63	3.25	U
108-10-1	4-Methyl-2-pentanone	ND	1.63	3.25	U
106-93-4	1,2-Dibromoethane	ND	1.63	3.25	U
591-78-6	2-Hexanone	ND	1.63	3.25	U
142-28-9	1,3-Dichloropropane	ND	1.63	3.25	U
127-18-4	Tetrachloroethene	ND	1.63	3.25	U
124-48-1	Dibromochloromethane	ND	1.63	3.25	U
100-41-4	Ethylbenzene	ND	1.63	3.25	U
108-90-7	Chlorobenzene	ND	1.63	3.25	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.63	3.25	U
108-38-3/106-42	m,p-Xylenes	ND	3.25	6.51	U
95-47-6	o-Xylene	ND	3.25	6.51	U
100-42-5	Styrene	ND	1.63	6.51	U
75-25-2	Bromoform	ND	1.63	3.25	U
98-82-8	Isopropylbenzene	ND	1.63	3.25	U
79-34-5	1,1,1,2-Tetrachloroethane	ND	1.63	3.25	U
96-18-4	1,2,3-Trichloropropane	ND	1.63	3.25	U

mwp 12/10/15



ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-9
Lab Sample ID: 1501914-01
Project: 138th Street, Bronx, NY; 10BR188
Work Order: 1501914

Date Sampled:	10/23/15 11:00	Prep Date:	10/26/15 19:22	Matrix:	Soil
Percent Solids:	68.60	Prep Method:	EPA 5035A	File ID:	D12801.D
Prep Batch:	B5J2622	Sequence:	S5J2611	Analyzed:	10/26/15 19:22
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
103-65-1	n-Propyl Benzene	ND <i>UJ</i>	1.63	3.25	U
108-86-1	Bromobenzene	ND	1.63	3.25	U
108-67-8	1,3,5-Trimethylbenzene	ND	1.63	3.25	U
95-49-8	2-Chlorotoluene	ND	1.63	3.25	U
106-43-4	4-Chlorotoluene	ND	1.63	3.25	U
98-06-6	tert-Butylbenzene	ND	1.63	3.25	U
95-63-6	1,2,4-Trimethylbenzene	ND	1.63	3.25	U
135-98-8	sec-Butylbenzene	ND	1.63	3.25	U
99-87-6	p-Isopropyltoluene	ND	1.63	3.25	U
541-73-1	1,3-Dichlorobenzene	ND	1.63	3.25	U
106-46-7	1,4-Dichlorobenzene	ND	1.63	3.25	U
104-51-8	n-Butyl Benzene	ND	1.63	3.25	U
95-50-1	1,2-Dichlorobenzene	ND	1.63	3.25	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.63	3.25	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.63	3.25	U
87-68-3	Hexachlorobutadiene	ND	1.63	3.25	U
87-61-6	1,2,3-Trichlorobenzene	ND	1.63	3.25	U

<u>Surrogate</u>	<u>% Recovery</u>	<u>Recovery Limits</u>
1,2-Dichloroethane-d4	123%	70-130
Toluene-d8	98%	70-130
Bromofluorobenzene	77%	70-130

* Values outside of QC limits
 ND - Indicates compound analyzed for but not detected
 U - Indicates compound analyzed for but not detected
 J - Indicates estimated value for TICs and all results when detected below the RL
 B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard
 D - Indicates result is based on a dilution
 P - Greater than 25% diff. between 2 GC columns.
 MDL - Minimum detection limit
 RL - Reporting limit

mmp 12/10/15



ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-9
Lab Sample ID: 1501914-01
Project: 138th Street, Bronx, NY; 10BR188
Work Order: 1501914

Date Sampled: 10/23/15 11:00	Matrix: Soil
Percent Solids: 68.60	File ID: 102715B-016

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
7429-90-5	Aluminum	9500	29.2	29.2	1		10/27/15 11:02	EPA 3050B	10/27/15 15:29 LIT	EPA 6010
7439-97-6	Mercury	0.170	0.109	0.109	1		10/27/15 09:49	EPA 7471A	10/27/15 12:39 PRT	EPA 7471
7440-36-0	Antimony	ND	5.83	5.83	1	U	10/27/15 11:02	EPA 3050B	10/27/15 15:29 LIT	EPA 6010
7440-38-2	Arsenic	2.35	1.46	1.46	1		10/27/15 11:02	EPA 3050B	10/27/15 15:29 LIT	EPA 6010
7440-39-3	Barium	57.9	29.2	29.2	1		10/27/15 11:02	EPA 3050B	10/27/15 15:29 LIT	EPA 6010
7440-41-7	Beryllium	ND	0.729	0.729	1	U	10/27/15 11:02	EPA 3050B	10/27/15 15:29 LIT	EPA 6010
7440-43-9	Cadmium	ND	0.729	0.729	1	U	10/27/15 11:02	EPA 3050B	10/27/15 15:29 LIT	EPA 6010
7440-70-2	Calcium	8950	36.4	36.4	1		10/27/15 11:02	EPA 3050B	10/27/15 15:29 LIT	EPA 6010
7440-47-3	Chromium	16.2	2.92	2.92	1		10/27/15 11:02	EPA 3050B	10/27/15 15:29 LIT	EPA 6010
7440-48-4	Cobalt	7.86	7.29	7.29	1		10/27/15 11:02	EPA 3050B	10/27/15 15:29 LIT	EPA 6010
7440-50-8	Copper	17.3	4.37	4.37	1		10/27/15 11:02	EPA 3050B	10/27/15 15:29 LIT	EPA 6010
7439-89-6	Iron	15100	36.4	36.4	1		10/27/15 11:02	EPA 3050B	10/27/15 15:29 LIT	EPA 6010
7439-92-1	Lead	23.1	1.46	1.46	1		10/27/15 11:02	EPA 3050B	10/27/15 15:29 LIT	EPA 6010
7439-95-4	Magnesium	7920	72.9	72.9	1		10/27/15 11:02	EPA 3050B	10/28/15 12:38 LIT	EPA 6010
7439-96-5	Manganese	278 <i>R</i>	2.92	2.92	1		10/27/15 11:02	EPA 3050B	10/27/15 15:29 LIT	EPA 6010
7440-02-0	Nickel	14.7	5.83	5.83	1		10/27/15 11:02	EPA 3050B	10/27/15 15:29 LIT	EPA 6010
7440-09-7	Potassium	1210	72.9	72.9	1		10/27/15 11:02	EPA 3050B	10/27/15 15:29 LIT	EPA 6010
7782-49-2	Selenium	ND	5.83	5.83	1	U	10/27/15 11:02	EPA 3050B	10/27/15 15:29 LIT	EPA 6010
7440-22-4	Silver	ND	0.729	0.729	1	U	10/27/15 11:02	EPA 3050B	10/27/15 15:29 LIT	EPA 6010
7440-23-5	Sodium	237	72.9	72.9	1		10/27/15 11:02	EPA 3050B	10/27/15 15:29 LIT	EPA 6010
7440-28-0	Thallium	ND	2.19	4.37	1	U	10/27/15 11:02	EPA 3050B	10/27/15 15:29 LIT	EPA 6010
7440-62-2	Vanadium	21.2	7.29	7.29	1		10/27/15 11:02	EPA 3050B	10/27/15 15:29 LIT	EPA 6010
7440-66-6	Zinc	52.4	8.75	8.75	1		10/27/15 11:02	EPA 3050B	10/28/15 12:38 LIT	EPA 6010

* Values outside of QC limits

ND - Indicates compound analyzed for but not detected

U - Indicates compound analyzed for but not detected

J - Indicates estimated value for TICs and all results when detected below the RL

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.

MDL - Minimum detection limit

RL - Reporting limit

WVP 12/10/15



ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-9
Lab Sample ID: 1501914-01
Project: 138th Street, Bronx, NY; 10BR188
Work Order: 1501914

Date Sampled: 10/23/15 11:00	Matrix: Soil
Percent Solids: 68.60	File ID:

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
NA	Cyanide (total)	ND	1.46	1.46	1	U	11/03/15 10:10	EPA 9010C	11/03/15 15:07 NNM	EPA 9014

CAS NO.	Analyte	Concentration (%)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
NA	Percent Solids	68.6	0.100	0.100	1		10/27/15 14:00	Percent Solids	10/28/15 09:00 CLD	SM 2540 G

* Values outside of QC limits

ND - Indicates compound analyzed for but not detected

U - Indicates compound analyzed for but not detected

J - Indicates estimated value for TICs and all results when detected below the RL

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.

MDL - Minimum detection limit

RL - Reporting limit

Appendix B

***Laboratory
QC
Documentation***



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Client: **BRINKERHOFF ENVIRONMENTAL**
 Project: **138th Street, Bronx, NY; 10BR188**
 Work Order: **1501914**

Matrix:	Solid	Analysis Method:	EPA 8270
Prep Batch:	B5J2710	Prep Method:	EPA 3550B GCMS
Percent Solids:	85.30	Laboratory ID:	B5J2710-MS1
		Client Sample ID:	1501907-04

ANALYTE	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC.	QC LIMITS REC.
Pyridine	1950	ND	1170	60	20 - 160
N-Nitrosodimethylamine	1950	ND	1210	62	20 - 160
Aniline	1950	ND	1730	89	20 - 160
Phenol	1950	ND	1710	88	20 - 160
bis(2-chloroethyl)ether	1950	ND	1520	78	70 - 130
2-Chlorophenol	1950	ND	1800	92	70 - 130
1,3-Dichlorobenzene	1950	ND	1690	86	70 - 130
1,4-Dichlorobenzene	1950	ND	1680	86	70 - 130
Benzyl alcohol	1950	ND	1780	91	20 - 160
1,2-Dichlorobenzene	1950	ND	1680	86	70 - 130
2-Methylphenol	1950	ND	1840	94	20 - 160
bis(2-chloroisopropyl)ether	1950	ND	1510	77	70 - 130
3 & 4-Methylphenol	1950	ND	1880	96	20 - 160
N-Nitroso-di-n-propylamine	1950	ND	1700	87	70 - 130
Hexachloroethane	1950	ND	1620	83	20 - 160
Nitrobenzene	1950	ND	1610	82	70 - 130
Isophorone	1950	ND	1570	80	70 - 130
2-Nitrophenol	1950	ND	1770	91	70 - 130
2,4-Dimethylphenol	1950	ND	1690	86	70 - 130
bis(2-chloroethoxy)methane	1950	ND	1610	82	70 - 130
2,4-Dichlorophenol	1950	ND	1710	87	70 - 130
1,2,4-Trichlorobenzene	1950	ND	1650	84	70 - 130
Naphthalene	1950	ND	1620	83	70 - 130
4-Chloroaniline	1950	ND	1510	77	20 - 160
Hexachlorobutadiene	1950	ND	1570	80	70 - 130
4-Chloro-3-methylphenol	1950	ND	1680	86	70 - 130
2-Methylnaphthylene	1950	ND	1630	83	70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Client: BRINKERHOFF ENVIRONMENTAL
Project: 138th Street, Bronx, NY; 10BR188
Work Order: 1501914

Matrix:	Solid	Analysis Method:	EPA 8270
Prep Batch:	B5J2710	Prep Method:	EPA 3550B GCMS
Percent Solids:	85.30	Laboratory ID:	B5J2710-MS1
		Client Sample ID:	1501907-04

ANALYTE	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC.	QC LIMITS REC.
Hexachlorocyclopentadiene	1950	ND	553	28	20 - 160
2,4,6-Trichlorophenol	1950	ND	1690	86	70 - 130
2,4,5-Trichlorophenol	1950	ND	1750	90	70 - 130
2-Chloronaphthalene	1950	ND	1690	87	70 - 130
2-Nitroaniline	1950	ND	1660	85	70 - 130
Dimethylphthalate	1950	ND	1630	83	70 - 130
Acenaphthylene	1950	ND	1570	81	70 - 130
3-Nitroaniline	1950	ND	1680	86	70 - 130
Acenaphthene	1950	ND	1630	83	70 - 130
2,4-Dinitrophenol	1950	ND	989	51	20 - 160
4-Nitrophenol	1950	ND	1280	66	20 - 160
Dibenzofuran	1950	ND	1710	87	70 - 130
2,6-Dinitrotoluene	1950	ND	1750	89	70 - 130
2,4-Dinitrotoluene	1950	ND	1750	90	70 - 130
2,3,4,6-Tetrachlorophenol	1950	ND	1630	84	70 - 130
Diethyl phthalate	1950	ND	1640	84	70 - 130
4-Chlorophenyl-phenylether	1950	ND	1570	80	70 - 130
Fluorene	1950	ND	1610	82	70 - 130
4-Nitroaniline	1950	ND	2000	102	70 - 130
4,6-Dinitro-2-methylphenol	1950	ND	1280	65	* 70 - 130
Carbazole	1950	ND	1700	87	70 - 130
N-Nitrosodiphenylamine	1950	ND	1660	85	20 - 160
Azobenzene	1950	ND	1600	82	70 - 130
4-Bromophenyl-phenylether	1950	ND	1640	84	70 - 130
Hexachlorobenzene	1950	ND	1690	86	70 - 130
Pentachlorophenol	1950	ND	1230	63	20 - 160
Phenanthrene	1950	39.5	1750	87	70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Client: BRINKERHOFF ENVIRONMENTAL
Project: 138th Street, Bronx, NY; 10BR188
Work Order: 1501914

Matrix:	Solid	Analysis Method:	EPA 8270
Prep Batch:	B5J2710	Prep Method:	EPA 3550B GCMS
Percent Solids:	85.30	Laboratory ID:	B5J2710-MS1
		Client Sample ID:	1501907-04

ANALYTE	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC.	QC LIMITS REC.
Anthracene	1950	ND	1520	78	70 - 130
Di-n-butyl phthalate	1950	ND	1330	68	* 70 - 130
Fluoranthene	1950	88.3	1670	81	70 - 130
Pyrene	1950	104	2140	104	70 - 130
Butylbenzylphthalate	1950	ND	1950	100	70 - 130
Benzo[a]anthracene	1950	39.1	1620	81	70 - 130
bis(2-ethylhexyl)phthalate	1950	ND	1770	91	70 - 130
Chrysene	1950	54.3	1940	96	70 - 130
Di-n-octyl phthalate	1950	ND	1870	96	70 - 130
Benzo[b]fluoranthene	1950	46.5	1900	95	70 - 130
Benzo[k]fluoranthene	1950	43.4	2150	108	70 - 130
Benzo[a]pyrene	1950	41.8	1750	87	70 - 130
Indeno(1,2,3-cd)pyrene	1950	ND	1220	62	* 70 - 130
Dibenzo(a,h)anthracene	1950	ND	1290	66	* 70 - 130
Benzo[ghi]perylene	1950	ND	1030	53	* 70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike Dup

Client: BRINKERHOFF ENVIRONMENTAL
Project: 138th Street, Bronx, NY; 10BR188
Work Order: 1501914

Matrix:	Solid	Analysis Method:	EPA 8270
Prep Batch:	B5J2710	Prep Method:	EPA 3550B GCMS
Percent Solids:	85.30	Laboratory ID:	B5J2710-MSD1
		Client Sample ID:	1501907-04

ANALYTE	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
Pyridine	1950	1200	61	3	30	20 - 160
N-Nitrosodimethylamine	1950	1250	64	3	30	20 - 160
Aniline	1950	1650	84	5	30	20 - 160
Phenol	1950	1610	83	6	30	20 - 160
bis(2-chloroethyl)ether	1950	1490	76	2	30	70 - 130
2-Chlorophenol	1950	1730	88	4	30	70 - 130
1,3-Dichlorobenzene	1950	1620	83	4	30	70 - 130
1,4-Dichlorobenzene	1950	1600	82	5	30	70 - 130
Benzyl alcohol	1950	1710	87	4	30	20 - 160
1,2-Dichlorobenzene	1950	1600	82	5	30	70 - 130
2-Methylphenol	1950	1740	89	6	30	20 - 160
bis(2-chloroisopropyl)ether	1950	1400	72	8	30	70 - 130
3 & 4-Methylphenol	1950	1780	91	5	30	20 - 160
N-Nitroso-di-n-propylamine	1950	1590	81	7	30	70 - 130
Hexachloroethane	1950	1600	82	2	30	20 - 160
Nitrobenzene	1950	1540	79	4	30	70 - 130
Isophorone	1950	1500	77	5	30	70 - 130
2-Nitrophenol	1950	1660	85	6	30	70 - 130
2,4-Dimethylphenol	1950	1580	81	6	30	70 - 130
bis(2-chloroethoxy)methane	1950	1530	78	5	30	70 - 130
2,4-Dichlorophenol	1950	1650	85	3	30	70 - 130
1,2,4-Trichlorobenzene	1950	1610	82	3	30	70 - 130
Naphthalene	1950	1550	79	5	30	70 - 130
4-Chloroaniline	1950	1320	68	13	30	20 - 160
Hexachlorobutadiene	1950	1540	79	2	30	70 - 130
4-Chloro-3-methylphenol	1950	1610	83	4	30	70 - 130
2-Methylnaphthylene	1950	1550	79	5	30	70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike Dup

Client: BRINKERHOFF ENVIRONMENTAL
Project: 138th Street, Bronx, NY; 10BR188
Work Order: 1501914

Matrix:	Solid	Analysis Method:	EPA 8270
Prep Batch:	B5J2710	Prep Method:	EPA 3550B GCMS
Percent Solids:	85.30	Laboratory ID:	B5J2710-MSD1
		Client Sample ID:	1501907-04

ANALYTE	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
Hexachlorocyclopentadiene	1950	604	31	9	30	20 - 160
2,4,6-Trichlorophenol	1950	1670	85	1	30	70 - 130
2,4,5-Trichlorophenol	1950	1680	86	4	30	70 - 130
2-Chloronaphthalene	1950	1660	85	2	30	70 - 130
2-Nitroaniline	1950	1590	81	4	30	70 - 130
Dimethylphthalate	1950	1570	81	3	30	70 - 130
Acenaphthylene	1950	1570	80	0.3	30	70 - 130
3-Nitroaniline	1950	1620	83	4	30	70 - 130
Acenaphthene	1950	1570	80	4	30	70 - 130
2,4-Dinitrophenol	1950	827	42	18	30	20 - 160
4-Nitrophenol	1950	1250	64	3	30	20 - 160
Dibenzofuran	1950	1650	85	3	30	70 - 130
2,6-Dinitrotoluene	1950	1650	84	6	30	70 - 130
2,4-Dinitrotoluene	1950	1670	86	5	30	70 - 130
2,3,4,6-Tetrachlorophenol	1950	1580	81	4	30	70 - 130
Diethyl phthalate	1950	1570	80	4	30	70 - 130
4-Chlorophenyl-phenylether	1950	1570	80	0.1	30	70 - 130
Fluorene	1950	1590	81	2	30	70 - 130
4-Nitroaniline	1950	1890	97	6	30	70 - 130
4,6-Dinitro-2-methylphenol	1950	1210	62 *	5	30	70 - 130
Carbazole	1950	1630	84	4	30	70 - 130
N-Nitrosodiphenylamine	1950	1570	80	6	30	20 - 160
Azobenzene	1950	1540	79	4	30	70 - 130
4-Bromophenyl-phenylether	1950	1550	79	6	30	70 - 130
Hexachlorobenzene	1950	1620	83	4	30	70 - 130
Pentachlorophenol	1950	1200	61	3	30	20 - 160
Phenanthrene	1950	1550	77	12	30	70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike Dup

Client: BRINKERHOFF ENVIRONMENTAL
Project: 133th Street, Bronx, NY; 10BR188
Work Order: 1501914

Matrix:	Solid	Analysis Method:	EPA 8270
Prep Batch:	B5J2710	Prep Method:	EPA 3550B GCMS
Percent Solids:	85.30	Laboratory ID:	B5J2710-MSD1
		Client Sample ID:	1501907-04

ANALYTE	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
Anthracene	1950	1470	75	4	30	70 - 130
Di-n-butyl phthalate	1950	1430	73	7	30	70 - 130
Fluoranthene	1950	1560	75	7	30	70 - 130
Pyrene	1950	2060	100	4	30	70 - 130
Butylbenzylphthalate	1950	2090	107	7	30	70 - 130
Benzo[a]anthracene	1950	1540	77	5	30	70 - 130
bis(2-ethylhexyl)phthalate	1950	1720	88	3	30	70 - 130
Chrysene	1950	1770	88	9	30	70 - 130
Di-n-octyl phthalate	1950	1850	95	1	30	70 - 130
Benzo[b]fluoranthene	1950	1770	88	7	30	70 - 130
Benzo[k]fluoranthene	1950	1960	98	9	30	70 - 130
Benzo[a]pyrene	1950	1620	81	8	30	70 - 130
Indeno(1,2,3-cd)pyrene	1950	1110	57*	9	30	70 - 130
Dibenzo(a,h)anthracene	1950	1170	60*	10	30	70 - 130
Benzo[ghi]perylene	1950	916	47*	12	30	70 - 130

* Values outside of QC limits



LCS / LCS DUPLICATE RECOVERY

EPA 8270

Client: **BRINKERHOFF ENVIRONMENTAL**
 Project: **138th Street, Bronx, NY; 10BR188**
 Work Order: **1501914**

Matrix:	Solid	Prep Method:	EPA 3550B GCMS
Prep Batch:	B5J2710	Lab Sample ID:	B5J2710-BS1

ANALYTE	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC.	QC LIMITS REC.
Pyridine	1670	1330	80	20 - 160
N-Nitrosodimethylamine	1670	1340	80	20 - 160
Aniline	1670	1450	87	20 - 160
Phenol	1670	1650	99	20 - 160
bis(2-chloroethyl)ether	1670	1600	96	70 - 130
2-Chlorophenol	1670	1490	89	70 - 130
1,3-Dichlorobenzene	1670	1470	88	70 - 130
1,4-Dichlorobenzene	1670	1480	89	70 - 130
Benzyl alcohol	1670	1450	87	20 - 160
1,2-Dichlorobenzene	1670	1470	88	70 - 130
2-Methylphenol	1670	1460	88	20 - 160
bis(2-chloroisopropyl)ether	1670	1740	104	70 - 130
3 & 4-Methylphenol	1670	1350	81	20 - 160
N-Nitroso-di-n-propylamine	1670	1400	84	70 - 130
Hexachloroethane	1670	1470	88	20 - 160
Nitrobenzene	1670	1460	88	70 - 130
Isophorone	1670	1470	88	70 - 130
2-Nitrophenol	1670	1480	89	70 - 130
2,4-Dimethylphenol	1670	1490	90	70 - 130
bis(2-chloroethoxy)methane	1670	1470	88	70 - 130
2,4-Dichlorophenol	1670	1440	87	70 - 130
1,2,4-Trichlorobenzene	1670	1380	83	70 - 130
Naphthalene	1670	1420	85	70 - 130
4-Chloroaniline	1670	937	56	70 - 130
Hexachlorobutadiene	1670	1330	80	70 - 130
4-Chloro-3-methylphenol	1670	1480	89	70 - 130
2-Methylnaphthylene	1670	1420	85	70 - 130
Hexachlorocyclopentadiene	1670	966	58	20 - 160



ANALYSIS DATA SHEET

Blank

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1501914
Project: 138th Street, Bronx, NY; 10BR188

Matrix:	Solid	Laboratory ID:	B5J2622-BLK1	File ID:	D12785.D
Batch:	B5J2622	Prepared:	10/26/15 10:59	Analyzed:	10/26/15 10:59
Column:	1	Preparation:	EPA 5035A	Dilution:	
		Sequence:	S5J2611	Instrument:	GC/MS D

CAS NO.	COMPOUND	CONC. (ug/kg wet)	MDL	RL	Q
107-02-8	Acrolein	ND	6.00	10.0	U
107-13-1	Acrylonitrile	ND	2.00	10.0	U
67-64-1	Acetone	2.37	1.00	2.00	
75-71-8	Dichlorodifluoromethane	ND	1.00	2.00	U
74-87-3	Chloromethane	ND	1.00	2.00	U
75-01-4	Vinyl chloride	ND	1.00	2.00	U
74-83-9	Bromomethane	ND	1.00	2.00	U
75-00-3	Chloroethane	ND	1.00	2.00	U
75-69-4	Trichlorofluoromethane	ND	1.00	2.00	U
75-35-4	1,1-Dichloroethene	ND	1.00	2.00	U
75-15-0	Carbon disulfide	ND	1.00	2.00	U
75-09-2	Methylene Chloride	4.39	1.00	2.00	
156-60-5	trans-1,2-Dichloroethene	ND	1.00	2.00	U
75-34-3	1,1-Dichloroethane	ND	1.00	2.00	U
108-05-4	Vinyl acetate	ND	1.00	2.00	U
590-20-7	2,2-Dichloropropane	ND	1.00	2.00	U
78-93-3	2-Butanone	ND	1.00	2.00	U
156-59-4	cis-1,2-Dichloroethene	ND	1.00	2.00	U
67-66-3	Chloroform	ND	1.00	2.00	U
74-97-5	Bromochloromethane	ND	1.00	2.00	U
71-55-6	1,1,1-Trichloroethane	ND	1.00	2.00	U
563-58-6	1,1-Dichloropropene	ND	1.00	2.00	U
56-23-5	Carbon Tetrachloride	ND	1.00	2.00	U
107-06-2	1,2-Dichloroethane	ND	1.00	2.00	U



ANALYSIS DATA SHEET

Blank

Client: **BRINKERHOFF ENVIRONMENTAL**
 Work Order: **1501914**
 Project: **138th Street, Bronx, NY; 10BR188**

Matrix:	Solid	Laboratory ID:	B5J2622-BLK1	File ID:	D12785.D
Batch:	B5J2622	Prepared:	10/26/15 10:59	Analyzed:	10/26/15 10:59
Column:	1	Preparation:	EPA 5035A	Dilution:	
		Sequence:	S5J2611	Instrument:	GC/MS D

CAS NO.	COMPOUND	CONC. (ug/kg wet)	MDL	RL	Q
71-43-2	Benzene	ND	1.00	2.00	U
79-01-6	Trichloroethene	ND	1.00	2.00	U
78-87-5	1,2-Dichloropropane	ND	1.00	2.00	U
75-27-4	Bromodichloromethane	ND	1.00	2.00	U
74-95-3	Dibromomethane	ND	1.00	2.00	U
110-75-8	2-Chloroethyl vinyl ether	ND	1.00	2.00	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.00	2.00	U
108-88-3	Toluene	ND	1.00	2.00	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.00	2.00	U
79-00-5	1,1,2-Trichloroethane	ND	1.00	2.00	U
108-10-1	4-Methyl-2-pentanone	ND	1.00	2.00	U
106-93-4	1,2-Dibromoethane	ND	1.00	2.00	U
591-78-6	2-Hexanone	ND	1.00	2.00	U
142-28-9	1,3-Dichloropropane	ND	1.00	2.00	U
127-18-4	Tetrachloroethene	ND	1.00	2.00	U
124-48-1	Dibromochloromethane	ND	1.00	2.00	U
100-41-4	Ethylbenzene	ND	1.00	2.00	U
108-90-7	Chlorobenzene	ND	1.00	2.00	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.00	2.00	U
108-38-3/106-42-3	m,p-Xylenes	ND	2.00	4.00	U
95-47-6	o-Xylene	ND	2.00	4.00	U
100-42-5	Styrene	ND	1.00	4.00	U
75-25-2	Bromoform	ND	1.00	2.00	U
98-82-8	Isopropylbenzene	ND	1.00	2.00	U



ANALYSIS DATA SHEET

Blank

Client: **BRINKERHOFF ENVIRONMENTAL**
 Work Order: **1501914**
 Project: **138th Street, Bronx, NY; 10BR188**

Matrix:	Solid	Laboratory ID:	B5J2622-BLK1	File ID:	D12785.D
Batch:	B5J2622	Prepared:	10/26/15 10:59	Analyzed:	10/26/15 10:59
Column:	1	Preparation:	EPA 5035A	Dilution:	
		Sequence:	S5J2611	Instrument:	GC/MS D

CAS NO.	COMPOUND	CONC. (ug/kg wet)	MDL	RL	Q
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane	ND	1.00	2.00	U
103-65-1	n-Propyl Benzene	ND	1.00	2.00	U
108-86-1	Bromobenzene	ND	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene	ND	1.00	2.00	U
95-49-8	2-Chlorotoluene	ND	1.00	2.00	U
106-43-4	4-Chlorotoluene	ND	1.00	2.00	U
98-06-6	tert-Butylbenzene	ND	1.00	2.00	U
95-63-6	1,2,4-Trimethylbenzene	ND	1.00	2.00	U
135-98-8	sec-Butylbenzene	ND	1.00	2.00	U
99-87-6	p-Isopropyltoluene	ND	1.00	2.00	U
541-73-1	1,3-Dichlorobenzene	ND	1.00	2.00	U
106-46-7	1,4-Dichlorobenzene	ND	1.00	2.00	U
104-51-8	n-Butyl Benzene	ND	1.00	2.00	U
95-50-1	1,2-Dichlorobenzene	ND	1.00	2.00	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.00	2.00	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.00	2.00	U
87-68-3	Hexachlorobutadiene	ND	1.00	2.00	U
91-20-3	Naphthalene	ND	1.00	2.00	U
87-61-6	1,2,3-Trichlorobenzene	ND	1.00	2.00	U
	<u>Surrogate</u>	<u>% Recovery</u>		<u>Recovery Limits</u>	
	1,2-Dichloroethane-d4	106%		70-130	
	Toluene-d8	104%		70-130	
	Bromofluorobenzene	101%		70-130	



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Client: **BRINKERHOFF ENVIRONMENTAL**
 Project: **138th Street, Bronx, NY; 10BR188**
 Work Order: **1501914**

Matrix:	Solid	Analysis Method:	EPA 8260
Prep Batch:	B5J2622	Prep Method:	EPA 5035A
Percent Solids:	93.00	Laboratory ID:	B5J2622-MS1
		Client Sample ID:	1501906-01

ANALYTE	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC.	QC LIMITS REC.
Acrolein	269	ND	286	107	40 - 160
Acrylonitrile	269	ND	301	112	70 - 130
Acetone	53.8	2.84	62.0	110	40 - 160
Dichlorodifluoromethane	53.8	ND	52.7	98	40 - 160
Chloromethane	53.8	ND	62.2	116	40 - 160
Vinyl chloride	53.8	ND	61.5	114	70 - 130
Bromomethane	53.8	ND	61.0	113	40 - 160
Chloroethane	53.8	ND	54.7	102	40 - 160
Trichlorofluoromethane	53.8	ND	57.5	107	40 - 160
Freon 113	53.8	ND	51.3	95	70 - 130
1,1-Dichloroethene	53.8	ND	60.7	113	70 - 130
Carbon disulfide	53.8	ND	60.2	112	70 - 130
Methyl Acetate	53.8	ND	66.8	124	70 - 130
Methylene Chloride	53.8	1.90	75.0	136 *	70 - 130
trans-1,2-Dichloroethene	53.8	ND	61.8	115	70 - 130
1,1-Dichloroethane	53.8	ND	63.1	117	70 - 130
2,2-Dichloropropane	53.8	ND	61.0	113	70 - 130
2-Butanone	53.8	ND	55.5	103	40 - 160
cis-1,2-Dichloroethene	53.8	ND	64.1	119	70 - 130
Chloroform	53.8	ND	60.2	112	70 - 130
Bromochloromethane	53.8	ND	60.9	113	70 - 130
Cyclohexane	53.8	ND	51.7	96	70 - 130
1,1,1-Trichloroethane	53.8	ND	59.9	111	70 - 130
t-Butyl alcohol	53.8	ND	62.5	116	40 - 160
1,1-Dichloropropene	53.8	ND	55.2	103	70 - 130
Carbon Tetrachloride	53.8	ND	53.2	99	70 - 130
1,2-Dichloroethane	53.8	ND	61.1	114	70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Client: BRINKERHOFF ENVIRONMENTAL
 Project: 138th Street, Bronx, NY; 10BR188
 Work Order: 1501914

Matrix:	Solid	Analysis Method:	EPA 8260
Prep Batch:	B5J2622	Prep Method:	EPA 5035A
Percent Solids:	93.00	Laboratory ID:	B5J2622-MS1
		Client Sample ID:	1501906-01

ANALYTE	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC.	QC LIMITS REC.
Benzene	53.8	ND	59.3	110	70 - 130
Trichloroethene	53.8	ND	60.8	113	70 - 130
Methylcyclohexane	53.8	ND	44.7	83	70 - 130
1,2-Dichloropropane	53.8	ND	61.7	115	70 - 130
Bromodichloromethane	53.8	ND	60.2	112	70 - 130
Dibromomethane	53.8	ND	60.2	112	70 - 130
2-Chloroethyl vinyl ether	53.8	ND	61.4	114	40 - 160
cis-1,3-Dichloropropene	53.8	ND	61.7	115	70 - 130
Toluene	53.8	ND	56.9	106	70 - 130
trans-1,3-Dichloropropene	53.8	ND	62.1	116	70 - 130
1,1,2-Trichloroethane	53.8	ND	64.0	119	70 - 130
4-Methyl-2-pentanone	53.8	ND	59.9	111	40 - 160
1,2-Dibromoethane	53.8	ND	62.7	117	70 - 130
2-Hexanone	53.8	ND	53.1	99	40 - 160
1,3-Dichloropropane	53.8	ND	63.2	118	70 - 130
Tetrachloroethene	53.8	ND	51.9	97	70 - 130
Dibromochloromethane	53.8	ND	59.9	111	70 - 130
Ethylbenzene	53.8	ND	55.7	104	70 - 130
Chlorobenzene	53.8	ND	56.4	105	70 - 130
1,1,1,2-Tetrachloroethane	53.8	ND	58.0	108	70 - 130
m,p-Xylenes	108	ND	111	103	70 - 130
o-Xylene	108	ND	107	99	70 - 130
Styrene	108	ND	105	98	70 - 130
Bromoform	53.8	ND	58.8	109	70 - 130
Isopropylbenzene	53.8	ND	56.1	104	70 - 130
1,1,2,2-Tetrachloroethane	53.8	ND	63.3	118	70 - 130
1,2,3-Trichloropropane	53.8	ND	67.2	125	70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Client: BRINKERHOFF ENVIRONMENTAL
Project: 138th Street, Bronx, NY; 10BR188
Work Order: 1501914

Matrix:	Solid	Analysis Method:	EPA 8260
Prep Batch:	B5J2622	Prep Method:	EPA 5035A
Percent Solids:	93.00	Laboratory ID:	B5J2622-MS1
		Client Sample ID:	1501906-01

ANALYTE	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC.	QC LIMITS REC.
n-Propyl Benzene	53.8	ND	57.3	107	70 - 130
Bromobenzene	53.8	ND	59.9	111	70 - 130
1,3,5-Trimethylbenzene	53.8	ND	55.8	104	70 - 130
2-Chlorotoluene	53.8	ND	58.4	109	70 - 130
4-Chlorotoluene	53.8	ND	57.4	107	70 - 130
tert-Butylbenzene	53.8	ND	55.4	103	70 - 130
1,2,4-Trimethylbenzene	53.8	ND	55.7	104	70 - 130
sec-Butylbenzene	53.8	ND	52.8	98	70 - 130
p-Isopropyltoluene	53.8	ND	54.1	101	70 - 130
1,3-Dichlorobenzene	53.8	ND	54.8	102	70 - 130
1,4-Dichlorobenzene	53.8	ND	54.8	102	70 - 130
n-Butyl Benzene	53.8	ND	53.5	99	70 - 130
1,2-Dichlorobenzene	53.8	ND	56.3	105	70 - 130
1,2-Dibromo-3-chloropropane	53.8	ND	61.8	115	40 - 160
1,2,4-Trichlorobenzene	53.8	ND	48.8	91	70 - 130
Hexachlorobutadiene	53.8	ND	40.7	76	70 - 130
Naphthalene	53.8	ND	56.1	104	40 - 160
1,2,3-Trichlorobenzene	53.8	ND	48.8	91	70 - 130
Methyl tert-Butyl Ether	108	ND	119	110	70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike Dup

Client: BRINKERHOFF ENVIRONMENTAL
 Project: 138th Street, Bronx, NY; 10BR188
 Work Order: 1501914

Matrix:	Solid	Analysis Method:	EPA 8260
Prep Batch:	B5J2622	Prep Method:	EPA 5035A
Percent Solids:	93.00	Laboratory ID:	B5J2622-MSD1
		Client Sample ID:	1501906-01

ANALYTE	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
Acrolein	269	240	89	18	30	40 - 160
Acrylonitrile	269	312	116	3	30	70 - 130
Acetone	53.8	66.6	119	7	30	40 - 160
Dichlorodifluoromethane	53.8	53.3	99	1	30	40 - 160
Chloromethane	53.8	61.7	115	0.8	30	40 - 160
Vinyl chloride	53.8	61.4	114	0.2	30	70 - 130
Bromomethane	53.8	61.8	115	1	30	40 - 160
Chloroethane	53.8	52.5	98	4	30	40 - 160
Trichlorofluoromethane	53.8	57.3	107	0.3	30	40 - 160
Freon 113	53.8	50.4	94	2	30	70 - 130
1,1-Dichloroethene	53.8	62.0	115	2	30	70 - 130
Carbon disulfide	53.8	59.5	111	1	30	70 - 130
Methyl Acetate	53.8	75.0	139	12	30	70 - 130
Methylene Chloride	53.8	79.3	144	6	30	70 - 130
trans-1,2-Dichloroethene	53.8	62.9	117	2	30	70 - 130
1,1-Dichloroethane	53.8	64.1	119	2	30	70 - 130
2,2-Dichloropropane	53.8	61.5	114	0.8	30	70 - 130
2-Butanone	53.8	61.2	114	10	30	40 - 160
cis-1,2-Dichloroethene	53.8	64.7	120	1	30	70 - 130
Chloroform	53.8	61.3	114	2	30	70 - 130
Bromochloromethane	53.8	65.8	122	8	30	70 - 130
Cyclohexane	53.8	50.0	93	3	30	70 - 130
1,1,1-Trichloroethane	53.8	60.1	112	0.4	30	70 - 130
t-Butyl alcohol	538	702	131	12	30	40 - 160
1,1-Dichloropropene	53.8	54.2	101	2	30	70 - 130
Carbon Tetrachloride	53.8	52.8	98	0.7	30	70 - 130
1,2-Dichloroethane	53.8	62.5	116	2	30	70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike Dup

Client: **BRINKERHOFF ENVIRONMENTAL**
 Project: **138th Street, Bronx, NY; 10BR188**
 Work Order: **1501914**

Matrix:	Solid	Analysis Method:	EPA 8260
Prep Batch:	B5J2622	Prep Method:	EPA 5035A
Percent Solids:	93.00	Laboratory ID:	B5J2622-MSD1
		Client Sample ID:	1501906-01

ANALYTE	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
Benzene	53.8	60.2	112	2	30	70 - 130
Trichloroethene	53.8	67.2	125	10	30	70 - 130
Methylcyclohexane	53.8	41.9	78	6	30	70 - 130
1,2-Dichloropropane	53.8	63.7	118	3	30	70 - 130
Bromodichloromethane	53.8	60.3	112	0.2	30	70 - 130
Dibromomethane	53.8	63.0	117	5	30	70 - 130
2-Chloroethyl vinyl ether	53.8	64.7	120	5	30	40 - 160
cis-1,3-Dichloropropene	53.8	62.8	117	2	30	70 - 130
Toluene	53.8	56.7	105	0.3	30	70 - 130
trans-1,3-Dichloropropene	53.8	64.3	120	3	30	70 - 130
1,1,2-Trichloroethane	53.8	66.2	123	3	30	70 - 130
4-Methyl-2-pentanone	53.8	64.5	120	7	30	40 - 160
1,2-Dibromoethane	53.8	65.6	122	5	30	70 - 130
2-Hexanone	53.8	57.9	108	9	30	40 - 160
1,3-Dichloropropane	53.8	66.7	124	5	30	70 - 130
Tetrachloroethene	53.8	50.7	94	2	30	70 - 130
Dibromochloromethane	53.8	63.3	118	5	30	70 - 130
Ethylbenzene	53.8	54.9	102	1	30	70 - 130
Chlorobenzene	53.8	55.8	104	1	30	70 - 130
1,1,1,2-Tetrachloroethane	53.8	59.0	110	2	30	70 - 130
m,p-Xylenes	108	108	101	3	30	70 - 130
o-Xylene	108	105	98	1	30	70 - 130
Styrene	108	101	94	3	30	70 - 130
Bromoform	53.8	58.6	109	0.4	30	70 - 130
Isopropylbenzene	53.8	58.2	108	4	30	70 - 130
1,1,2,2-Tetrachloroethane	53.8	61.3	114	3	30	70 - 130
1,2,3-Trichloropropane	53.8	78.6	146	16	30	70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike Dup

Client: BRINKERHOFF ENVIRONMENTAL
 Project: 138th Street, Bronx, NY; 10BR188
 Work Order: 1501914

Matrix:	Solid	Analysis Method:	EPA 8260
Prep Batch:	B5J2622	Prep Method:	EPA 5035A
Percent Solids:	93.00	Laboratory ID:	B5J2622-MSD1
		Client Sample ID:	1501906-01

ANALYTE	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
n-Propyl Benzene	53.8	57.8	108	1	30	70 - 130
Bromobenzene	53.8	63.3	118	5	30	70 - 130
1,3,5-Trimethylbenzene	53.8	56.9	106	2	30	70 - 130
2-Chlorotoluene	53.8	59.9	111	3	30	70 - 130
4-Chlorotoluene	53.8	58.3	108	2	30	70 - 130
tert-Butylbenzene	53.8	55.8	104	0.7	30	70 - 130
1,2,4-Trimethylbenzene	53.8	57.0	106	2	30	70 - 130
sec-Butylbenzene	53.8	51.5	96	2	30	70 - 130
p-Isopropyltoluene	53.8	53.8	100	0.5	30	70 - 130
1,3-Dichlorobenzene	53.8	54.9	102	0.2	30	70 - 130
1,4-Dichlorobenzene	53.8	54.6	102	0.4	30	70 - 130
n-Butyl Benzene	53.8	51.4	96	4	30	70 - 130
1,2-Dichlorobenzene	53.8	57.4	107	2	30	70 - 130
1,2-Dibromo-3-chloropropane	53.8	70.7	132	13	30	40 - 160
1,2,4-Trichlorobenzene	53.8	45.8	85	6	30	70 - 130
Hexachlorobutadiene	53.8	36.1	67	12	30	70 - 130
Naphthalene	53.8	55.6	103	1	30	40 - 160
1,2,3-Trichlorobenzene	53.8	44.4	83	9	30	70 - 130
Methyl tert-Butyl Ether	108	139	130	16	30	70 - 130

* Values outside of QC limits



LCS / LCS DUPLICATE RECOVERY

EPA 8260

Client: **BRINKERHOFF ENVIRONMENTAL**
 Project: **138th Street, Bronx, NY; 10BR188**
 Work Order: **1501914**

Matrix:	Solid	Prep Method:	EPA 5035A
Prep Batch:	B5J2622	Lab Sample ID:	B5J2622-BS1

ANALYTE	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC.	QC LIMITS REC.
Acrolein	250	274	110	40 - 160
Acrylonitrile	250	281	112	70 - 130
Acetone	50.0	47.2	94	40 - 160
Dichlorodifluoromethane	50.0	52.6	105	40 - 160
Chloromethane	50.0	57.8	116	40 - 160
Vinyl chloride	50.0	58.8	118	70 - 130
Bromomethane	50.0	54.7	109	40 - 160
Chloroethane	50.0	51.8	104	40 - 160
Trichlorofluoromethane	50.0	53.0	106	40 - 160
Freon 113	50.0	50.0	100	70 - 130
1,1-Dichloroethene	50.0	59.3	119	70 - 130
Carbon disulfide	50.0	62.2	124	70 - 130
Methyl Acetate	50.0	52.2	104	70 - 130
Methylene Chloride	50.0	66.5	133	70 - 130
trans-1,2-Dichloroethene	50.0	60.7	121	70 - 130
1,1-Dichloroethane	50.0	58.6	117	70 - 130
2,2-Dichloropropane	50.0	57.0	114	70 - 130
2-Butanone	50.0	47.9	96	40 - 160
cis-1,2-Dichloroethene	50.0	58.6	117	70 - 130
Chloroform	50.0	53.0	106	70 - 130
Bromochloromethane	50.0	54.6	109	70 - 130
Cyclohexane	50.0	52.0	104	70 - 130
1,1,1-Trichloroethane	50.0	57.4	115	70 - 130
t-Butyl alcohol	500	547	109	40 - 160
1,1-Dichloropropene	50.0	53.9	108	70 - 130
Carbon Tetrachloride	50.0	52.7	105	70 - 130
1,2-Dichloroethane	50.0	54.9	110	70 - 130
Benzene	50.0	56.3	113	70 - 130



LCS / LCS DUPLICATE RECOVERY

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Project: 138th Street, Bronx, NY; 10BR188
Work Order: 1501914

Matrix:	Solid	Prep Method:	EPA 5035A
Prep Batch:	B5J2718	Lab Sample ID:	B5J2718-BS1

ANALYTE	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC.	QC LIMITS REC.
Acrolein	250	291	116	40 - 160
Acrylonitrile	250	281	112	70 - 130
Acetone	50.0	37.0	74	40 - 160
Dichlorodifluoromethane	50.0	47.2	94	40 - 160
Chloromethane	50.0	55.3	111	40 - 160
Vinyl chloride	50.0	58.8	118	70 - 130
Bromomethane	50.0	57.5	115	40 - 160
Chloroethane	50.0	56.7	113	40 - 160
Trichlorofluoromethane	50.0	56.3	113	40 - 160
Freon 113	50.0	53.8	108	70 - 130
1,1-Dichloroethene	50.0	63.0	126	70 - 130
Carbon disulfide	50.0	62.3	125	70 - 130
Methyl Acetate	50.0	56.0	112	70 - 130
Methylene Chloride	50.0	69.1	138	70 - 130
trans-1,2-Dichloroethene	50.0	63.4	127	70 - 130
1,1-Dichloroethane	50.0	63.5	127	70 - 130
2,2-Dichloropropane	50.0	59.7	119	70 - 130
2-Butanone	50.0	53.3	107	40 - 160
cis-1,2-Dichloroethene	50.0	64.0	128	70 - 130
Chloroform	50.0	57.9	116	70 - 130
Bromochloromethane	50.0	57.8	116	70 - 130
Cyclohexane	50.0	54.7	109	70 - 130
1,1,1-Trichloroethane	50.0	59.4	119	70 - 130
t-Butyl alcohol	500	592	118	40 - 160
1,1-Dichloropropene	50.0	54.6	109	70 - 130
Carbon Tetrachloride	50.0	52.2	104	70 - 130
1,2-Dichloroethane	50.0	56.7	113	70 - 130
Benzene	50.0	57.0	114	70 - 130



INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
 Work Order: 1501914
 Project: 138th Street, Bronx, NY; 10BR188
 Sequence: S5J2611

Instrument: GC/MS D
 Calibration: 15J2804

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
EP-9 (1501914-01)			<i>Lab File ID: D12801.D</i>		<i>Analyzed: 10/26/15 19:22</i>				
Pentafluorobenzene	410496	6.44	899797	6.44	46	50 - 200	0.0000	+/-0.50	*
1,4-Difluorobenzene	759935	7.14	1569163	7.14	48	50 - 200	0.0000	+/-0.50	*
Chlorobenzene-d5	541351	11.18	1254965	11.18	43	50 - 200	0.0000	+/-0.50	*
1,4-Dichlorobenzene-d4	177387	14.18	553332	14.19	32	50 - 200	-0.0100	+/-0.50	*

* Values outside of QC limits



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Client: BRINKERHOFF ENVIRONMENTAL
 Work Order: 1501914
 Project: 138th Street, Bronx, NY; 10BR188

Matrix:	Solid	Analysis:	EPA 6010
Batch:	B5J2712	Preparation:	EPA 3050B
% Solids:	85.30	Laboratory ID:	B5J2712-MS1
		Client Sample ID:	1501907-04

ANALYTE	SPIKE ADDED (mg/kg dry)	SAMPLE CONCENTRATION (mg/kg dry)	MS CONCENTRATION (mg/kg dry)	MS % REC.	QC LIMITS REC.
Aluminum	293	16100	23300 *	2460 ✖ *	75 - 125
Antimony	293	ND	262	89.3	75 - 125
Arsenic	293	6.64	289	96.4	75 - 125
Barium	293	180	490	106	75 - 125
Beryllium	293	1.24	275	93.5	75 - 125
Cadmium	293	ND	267	91.2	75 - 125
Calcium	293	1930	3610 *	572 ✖ *	75 - 125
Chromium	293	31.4	304	93.2	75 - 125
Cobalt	293	12.9	277	90.2	75 - 125
Copper	293	10.5	287	94.3	75 - 125
Lead	293	134	450	108	75 - 125
Manganese	293	651	1650 *	341 *	75 - 125
Nickel	293	27.0	287	88.7	75 - 125
Potassium	293	1400	2930 *	524 ✖ *	75 - 125
Selenium	293	ND	258	88.0	75 - 125
Silver	29.3	ND	25.8	87.9	75 - 125
Sodium	293	127	447	109	75 - 125
Thallium	293	ND	242	82.6	75 - 125
Vanadium	293	39.1	320	95.9	75 - 125

* spiked too low



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike Dup

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1501914
Project: 138th Street, Bronx, NY; 10BR188

Matrix:	Solid	Analysis:	EPA 6010
Batch:	B5J2712	Preparation:	EPA 3050B
% Solids:	85.30	Laboratory ID:	B5J2712-MSD1
		Client Sample ID:	1501907-04

ANALYTE	SPIKE ADDED (mg/kg dry)	MSD CONCENTRATION (mg/kg dry)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
Aluminum	293	23200	2430 2430 *	0.379	20	75 - 125
Antimony	293	252	86.1	3.67	20	75 - 125
Arsenic	293	279	93.1	3.36	20	75 - 125
Barium	293	471	99.2	3.97	20	75 - 125
Beryllium	293	265	90.0	3.78	20	75 - 125
Cadmium	293	258	88.1	3.50	20	75 - 125
Calcium	293	3400	499 499 *	6.12	20	75 - 125
Chromium	293	294	89.6	3.55	20	75 - 125
Cobalt	293	264	85.6	5.00	20	75 - 125
Copper	293	276	90.5	3.98	20	75 - 125
Lead	293	369	80.2	19.8	20	75 - 125
Manganese	293	1380	247	18.2	20	75 - 125
Nickel	293	277	85.2	3.64	20	75 - 125
Potassium	293	3200	615 615 *	8.74	20	75 - 125
Selenium	293	250	85.4	3.00	20	75 - 125
Silver	29.3	25.0	85.2	3.14	20	75 - 125
Sodium	293	439	106	1.76	20	75 - 125
Thallium	293	234	80.0	3.20	20	75 - 125
Vanadium	293	307	91.6	4.05	20	75 - 125

Appendix C

Validator Qualifications

MICHAEL K. PERRY

Chemist/Data Validator

B.S. Chemistry, Georgia State University, Atlanta, GA

A.A.S., Chemical Technology, Alfred State College, Alfred, NY

Mr. Perry has over 30 years of experience in the analytical laboratory business. During his early career, he spent several years as a laboratory analyst performing the analysis of soil, water, and air samples for inorganic and organic chemical parameters. During his last 20 years in the environmental laboratory business, he managed and directed two major analytical laboratories in Rochester, NY. His management responsibilities included oversight of the daily operations of the lab, staff training and supervision, the selection, purchase, and maintenance of analytical instruments, the introduction of new laboratory methods, analytical quality assurance and quality control, data acquisition and management, and other business-related activities.

Mr. Perry has an extensive working knowledge of the methods and procedures used for sampling and analyzing both inorganic and organic analytes in soil, water, and air. He is an accomplished laboratory chemist and is familiar with the analytical methods and procedures established under the USEPA Contract Laboratory Protocols (CLP), the NYSDEC Analytical Services Protocols (ASP), and the NYSDOH Environmental Laboratory Approval Program (ELAP).

KENNETH R. APPLIN
Geochemist/Data Validator

Ph.D., Geochemistry and Mineralogy, The Pennsylvania State University

M.S., Geochemistry and Mineralogy, The Pennsylvania State University

B.A., Geological Sciences, SUNY at Geneseo, NY

Dr. Applin has over 35 years of experience working with the geochemistry of natural waters. His prior experience includes working as an Assistant Professor of Geology at the University of Missouri-Columbia and as Chief Hydrogeologist and Geochemist with a leading engineering firm in Rochester, NY. In 1993, he established KR Applin and Associates, a small consulting business that focuses on the geochemistry of natural waters, especially as applied to problems involving the contamination of groundwater and surface water.

Dr. Applin is also an experienced analytical data validator and has provided data validation services since 1994 to a variety of clients performing brownfield cleanup projects, hazardous waste remediation, groundwater monitoring at solid waste facilities, and other projects requiring third-party data validation. Dr. Applin has several years of hands-on experience with the laboratory analysis of natural waters and has successfully completed the USEPA Region II certification courses for performing inorganic and organic analytical data validation.

DATA USABILITY SUMMARY REPORT (DUSR)

**Former G & C Services
255 East 138th Street
Block 2333, Lot 1
Bronx, Bronx County, NY
NYSDEC BCP # C203057**

SDG: 1501923
1 Soil Sample

Prepared for:

**Brinkerhoff Environmental Services, Inc.
1805 Atlantic Avenue
Manasquan, NJ 08736**

December 2015



REVIEWER'S NARRATIVE
SDG 1501923

The data associated with this Sample Delivery Group (SDG) 1501923, analyzed by Accredited Analytical Resources, LLC, Carteret, NJ have been reviewed in accordance with assessment criteria provided by the New York State Department of Environmental Conservation following the review procedures provided in the USEPA Functional Guidelines for evaluating organic and inorganic data.

All analytical results reported by the laboratory are considered valid and acceptable except results that have been qualified as rejected, "R". Results qualified as estimated "J", or as non-detects, "U", are considered usable for the purpose of evaluating water and/or soil quality. However, these qualifiers indicate that the accuracy and/or precision of the analytical result is questionable. A summary of all data that have been qualified and the reasons for qualification are provided in the following data usability summary report (DUSR).

Two facts should be noted by all data users. First, the "R" qualifier means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the analyte is present or not. Values qualified with an "R" should not appear on the final data tables because they cannot be relied upon, even as the last resort. Second, no analyte concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error.

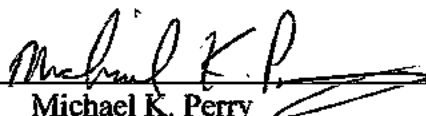
Reviewer's Signature:  Date: 12/12/15
Michael K. Perry
Chemist

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1.0 SUMMARY

SITE: 255 East 138th Street.
Bronx , NY

SAMPLING DATE: October 26, 2015

SAMPLE TYPE: 1 soil sample

LABORATORY: Accredited Analytical Resources, LLC.
Carteret, NJ

SDG No.: 1501923

2.0 INTRODUCTION

This data usability summary report (DUSR) was prepared in accordance with guidance provided by the New York State Department of Environmental Conservation (NYSDEC). The DUSR is based on a review and evaluation of the laboratory analytical data package. Specifically, the NYSDEC guidance recommends review and evaluation of the following elements of the data package:

- Completeness of the data package as defined under the requirements of the NYSDEC Analytical Services Protocols (ASP) Category B or the United States Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) deliverables,
- Compliance with established analyte holding times,
- Adherence to quality control (QC) limits and specifications for blanks, instrument tuning and calibration, surrogate recoveries, spike recoveries, laboratory duplicate analyses, and other QC criteria,
- Adherence to established analytical protocols,
- Conformance of data summary sheets with raw analytical data, and
- Use of correct data qualifiers.

Data deficiencies, analytical protocol deviations, and quality control problems identified using the review criteria above and their effect on the analytical results are discussed in this report.

3.0 SAMPLE AND ANALYSIS SUMMARY

The data package consists of analytical results for one soil sample collected on October 26, 2015. This sample was analyzed for volatile organic compounds, semi-volatile organic compounds, pesticides, polychlorinated biphenyls (PCBs), TAL metals, and total cyanide.

All laboratory analyses were performed by Accredited Analytical Resources, LLC., Carteret, NJ and analyzed as SDG 1501923. The analytical results were provided in NYSDEC ASP Category B format, which includes all raw analytical data and laboratory QC data.

4.0 GUIDANCE DOCUMENTS AND DATA REVIEW CRITERIA

The guidance documents used for reviewing laboratory quality control (QC) data and assigning data qualifiers (flags) to analytical results are listed in Table 4-1. The QC limits established in the documents applicable to this data review were used to assess the quality of the analytical results. In some cases, however, QC limits established internally by the laboratory were taken into account to determine data quality.

The QC criteria considered for assessing the usability of the reported analytical results provided for each analyte type (i.e. VOCs, SVOCs, metals, etc.) are listed in Table 4-2. These criteria may vary with the analytical method utilized by the laboratory. These criteria comply with the guidance recommended in Section 2.0 above.

5.0 DATA VALIDATION QUALIFIERS

The letter qualifiers (flags) used to define data usability are described briefly below. These letters are assigned by the data validator to analytical results having questionable accuracy and/or precision as determined by reviewing the laboratory QC data associated with the analytical results.

TABLE 4-1**DATA VALIDATION GUIDANCE DOCUMENTS**

Analyte Type	Validation Guidance
VOCs	USEPA, 2008, Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry; SW-846 Method 8260B; SOP # HW-24, Rev. 2. USEPA, 2008, Statement of Work for Organic Analysis of Low/Medium Concentration of Volatile Organic Compounds SOM01.2; SOP HW-33, Rev. 2.
SVOCs	USEPA, 2007, Statement of Work for Organic Analysis of Low/Medium Concentration of Semivolatile Organic Compounds SOM01.2; SOP HW-35, Rev. 1.
Pesticides/PCBs	USEPA, 2006, CLP Organics Data Review and Preliminary Review (CLP/SOW OLMO 4.3); SOP # HW-6, Rev. 14, Part C.
Metals	USEPA, 2006, Validation of Metals for the Contract Laboratory Program (CLP) based on SOW ILMO 5.3 (SOP Revision 13), SOP # HW-2, Rev. 13.
Gen Chemistry	NYSDEC, 2005, Analytical Services Protocols (ASP)
VOCs (Ambient air)	USEPA, 2006, Validating Air Samples, Volatile Organic Analysis of Ambient Air in Canister by Method TO-15; SOP # HW-31, Rev. 4.

TABLE 4-2

**QUALITY CONTROL CRITERIA USED FOR VALIDATING
LABORATORY ANALYTICAL DATA**

VOCs	SVOCs	Pesticides/PCBs	Metals	Gen Chemistry	Method TO-15
Completeness of Pkg Sample Condition Holding Time System Monitoring Compounds Lab Control Sample Matrix Spikes Blanks Instrument Tuning Internal Standards Initial Calibration Continuing Calibration Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Time Surrogate Recoveries Lab Control Sample Matrix Spikes Blanks Instrument Tuning Internal Standards Initial Calibration Continuing Calibration Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Time Surrogate Recoveries Matrix Spikes Blanks Instrument Calibration & Verification Analyte ID Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Time Initial/Continuing Calibration CRDL Standards Blanks Interference Check Sample Spike Recoveries Lab Duplicate Lab Control Sample ICP Serial Dilutions Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Times Calibration Lab Control Samples Blanks Spike Recoveries Lab Duplicates	Completeness of Pkg Sample Condition Holding Time Canister Certification Lab Control Sample Instrument Tuning Blanks Initial Calibration & System Performance Daily Calibration Field Duplicate

The laboratory may also use various letters and symbols to flag analytical results generated when QC limits were exceeded. The meanings of these flags may differ from those used by the independent data validator. Those used by the laboratory are provided with the analytical results.

NOTE: The assignment of data qualifiers by the data reviewer (validator) to laboratory analytical results should not necessarily be interpreted by the data user as a measure of laboratory ability or proficiency. Rather, the qualifiers are intended to provide a measure of data accuracy and precision to the data user, which, for example, may provide a level of confidence in determining whether or not standards or cleanup objectives have been met.

- U** The analyte was analyzed for but was not detected at or above the sample quantitation limit.
- J** The analyte was positively identified; the associated numerical value is the *approximate* concentration of the analyte in the sample. (The magnitude of any \pm value associated with the result is not determined by data validation).
- UJ** The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is *approximate* and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R** The sample result is rejected (i.e., is unusable) due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
- N** The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
- JN** The analyte is considered to be "presumptively present." The associated numerical value represents its *approximate* concentration.

The validated analytical results are attached to this report. Validation qualifiers (flags) are indicated using red ink. Data sheets having qualified data are signed and dated by the data reviewer.

6.0 RESULTS OF THE DATA REVIEW

The results of the data review are summarized in Tables 6-1 through 6-6. The tables list the samples where QC criteria were found to exceed acceptable limits and the actions taken to qualify the associated analytical results.

7.0 TOTAL USABLE DATA

For SDG 1501923, one sample was analyzed and results were reported for 188 analytes. Even though some results were flagged with a "J" as estimated, all results (100 %) are considered usable. See the summary table for the analyses that are estimated and the associated QC reasons.

Table 6-1 **VOCs**

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
EP-10(1501923-01)	Several compounds	none	MS/MSD > QC limit	Matrix interference suspected/LCS within QC limits
EP-10(1501923-01)	Acetone	B	Method Blank contamination	Sample results up to 10X blank level have been flagged with a "B". Common lab contaminants.

Table 6-2 **SVOCs**

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
EP-10(1501923-01)	Several compounds	none	MS/MSD < QC limit	Matrix interference suspected/LCS within QC limits
EP-10(1501923-01)	4-Chloroaniline	"UJ"	LCS < QC limit	All samples non-detect
EP-10(1501923-01)	2,4-Dinitrophenol	J detects	ICV > 40 %	All samples non-detect
EP-10(1501923-01)	2,4-Dinitrophenol	J detects	CCV > 40 %	All samples non-detect

Table 6-3 **Pesticides**

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

Table 6-4 **PCBs**

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

Table 6-5 **TAL Metals**

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
EP-10(1501923-01)	Potassium	J detects	% Recovery > QC limit	Results are estimated.
EP-10(1501923-01)	Manganese	J detects/UJ non-detects	% Recovery < QC limit	Results are estimated.
EP-10(1501923-01)	Zinc	J detects	Serial dilution > 10%	Results are estimated.

Table 6-6 **Total Cyanide**

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

ACRONYMS

CCAL	Continuing Calibration
CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification
CRDL	Contract Required Detection Limit
CRQL	Contract Required Quantitation Limit
%D	Percent Difference
ICAL	Initial Calibration
ICB	Initial Calibration Blank
IS	Internal Standard
LCS	Laboratory Control Sample
MS/MSD	Matrix Spike/Matrix Spike Duplicate
QA	Quality Assurance
QC	Quality Control
%R	Percent recovery
RPD	Relative Percent Difference
%RSD	Percent Relative Standard Deviation
TAL	Target Analyte List (metals)
TCL	Target Compound List (organics)

Appendix A

*Validated
Analytical
Results*



Accredited Analytical Resources, LLC.

10 November 2015

AAR Work Order: 1501923

Doug Harm

BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.

Manasquan, NJ 08736

Project: 138th Street, Bronx, NY; 10BR188

Enclosed are the results of analyses for samples received by the laboratory on 10/27/2015 14:15. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Daniel Miguel

Technical Director

New Jersey Certification Number: 12007

New York Certification Number: 11109

Pennsylvania Certification Number: 68-02799

This report shall not be reproduced, except in its entirety, without the written consent of Accredited Analytical Resources, LLC.
The test results included in this report relate only to the samples analyzed.



Accredited Analytical Resources, LLC.

20 PERSHING AVE, CARTERET, NJ 07008
Tel. 732-969-6112 FAX 732-541-1383
WEB: WWW.ACCREDITEDANALYTICAL.COM

CHAIN OF CUSTODY FORM

STATE AGENCY (CIRCLE ONE) NJ (NY) PA

PROJECT NAME: 135th Street, Bronx, NY; OSR 188

CONTACT: Doug Harm

OFFICE PHONE #: 732-223-2225

OFFICE FAX #: 732-223-3666

INITIAL RESULTS TO: Doug Harm

EMAIL FOR INVOICE: dharm@brink.env

CLIENT NAME: Brinkerhoff Environmental Services

ADDRESS: 1805 Atlantic Avenue

CITY: Mandeville

STATE: NJ ZIP: 08736

AAR QUOTE # 1501923

AAR WORK ORDER #

P.O.#

PRES. CODE →

CONT. CODE →

ANALYSIS

COLLECTION INFORMATION								ANALYSIS												AAR SAMPLE #				
CUSTOMER SAMPLE #/ID	DATE/TIME SAMPLED	MATRIX CODE	DEPTH	# OF CONTAINERS	GRAB (G)	COMP (C)		TAL heel TCL from																
EP-10	01/26/15 12:05	S	4	6	-	-	-																-01	

MATRIX CODES: S = SOIL A = AQUEOUS GW = GROUND WATER WW = WASTE WATER SW = SURFACE WATER P = POTABLE WATER O = OIL K = SOLID X = OTHER

CONTAINER TYPE CODES: G = GLASS P = PLASTIC E = ENCORE PRESERVATIVES CODES: 1 = HCL 2 = HNO₃ 3 = H₂SO₄ 4 = NaOH 6 = OTHER

TURNAROUND TIME: (CIRCLE ONE) STANDARD 5 DAY 72 HRS. 48 HRS. 24 HRS. OTHER

REPORT TYPE: RESULTS ONLY REDUCED FULL EDD EXCEL SPREADSHEET

COMMENTS: Send invoice to Brinkerhoff; NYSDEC Category B data deliverable
COOLER TEMP 4°C

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: Monica Norton SIGN: Monica Norton

SIGN BELOW WHEN DELIVERING SAMPLES. EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY, CUSTODY MUST BE DOCUMENTED.

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Print Name: Monica Norton Signature: <i>Monica Norton</i> Agent of:	Print Name: John Traverso Signature: <i>John Traverso</i> Agent of: AAR	Print Name: John Traverso Signature: <i>John Traverso</i> Agent of: AAR	Print Name: K. Muniz Signature: <i>K. Muniz</i> Agent of: AAR
Date Received: 10/27/15 Time: 13:00	Date Received: 10/27/15 Time: 4:15		
RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Print Name: Signature: Agent of:	Print Name: Signature: Agent of:	Print Name: Signature: Agent of:	Print Name: Signature: Agent of:
Date Received: / / Time:	Date Received: / / Time:	Date Received: / / Time:	Date Received: / / Time:



Case Narrative

Conformance / Non-Conformance Summary

Accredited Analytical Resources, LLC received 1 sample(s) from BRINKERHOFF ENVIRONMENTAL (Project: 138th Street, Bronx, NY; 10BR188) on 10/27/2015 2:15:00 PM.

All analyses were performed within the required holding time.

In the Volatile Organic analyses, B5K0314-MS1/MSD1 had compounds recovered outside acceptance criteria due to matrix interference, the LCS was recovered within acceptance limits for all compounds; therefore, no further action required.

In the Volatile Organic analyses, the methylene chloride result reported is due to laboratory contamination.

In the BNA analyses, the laboratory control sample (LCS) and/or laboratory control sample duplicate (LCSD) for Batch B5J3001 recovered outside control limits for certain analytes. These analytes were outside DKQP limits, but within the house limits; therefore, the data has been reported.

In the BNA analyses, the MS/MSD for Batch B5J3001 had compounds recovered outside acceptance criteria due to matrix interference, the LCS was recovered within acceptance limits; therefore, no further action required.

In the Metals analysis the recoveries of the MS/MSD were outside of acceptance criteria. The QC sample had concentrations too high to be able to determine a spike recovery. The LCS was within acceptance criteria for those metals out in the MS/MSD. The results are included in this data package.

Except for the parameters tested AAR makes no representation as to the fitness or quality of the sample (s) taken.

"The laboratory has reviewed the quality assurance and quality control measurements for the sample analyses.

Daniel Miguel
Technical Director



BRINKERHOFF ENVIRONMENTAL 1805 Atlantic Ave. Manasquan NJ, 08736	Project: 138th Street, Bronx, NY; 10BR188 Project Manager: Doug Harm	Reported: 11/10/2015 08:23
-------------------------------------------------------------------------------	---------------------------------------------------------------------------------------	--------------------------------------

Analytical Report for Samples

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EP-10	1501923-01	Soil	10/26/2015 12:05	10/27/2015 14:15

Notes and Definitions

- U Analyte included in the analysis, but not detected
- J Indicates estimated value for TICs and all results when detected below the RL
- D Data reported from a dilution
- B Indicates compound found in associated blank
- ND Indicates compound analyzed for but not detected
- U Indicates compound analyzed for but not detected
- dry Sample results reported on a dry weight basis
- RL Reporting Limit
- MDL Method Detection Limit

Accredited Analytical Resources LLC

Daniel Miguel, Technical Director

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.



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/10/2015 08:23

Methodology Summary

EPA Method SW846 8081/8082:

NJ 8081A/8082
NY 8081B/8082A

Semivolatile Organic Compounds EPA Method SW846 8270:

NJ 8270C
NY 8270D

Total Mercury by SW846 7471:

NJ EPA 7471A
NY EPA 7471B

Total Metals by EPA Method SW846 6010:

NJ 6010B
NY 6010C

Volatile Organic Compounds EPA Method SW846 8260:

NJ 8260B
NY 8260C

Wet Chemistry:

Total Cyanide by EPA 9010C & EPA 9014
Percent Solids by SM 2540 G

Accredited Analytical Resources LLC

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.

Daniel Miguel, Technical Director



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/10/2015 08:23

Condition of Samples on Receipt

Temperature °C	4.00
Chain of Custody Filled Out Properly	Yes
Proper Containers and Volumes	Yes
Received Within Holding Time	Yes
Samples Received with Correct Preservation	Yes
Samples Received On Ice	Yes
Sample Received Via Field Services	Yes
Samples Hand Delivered	No

Accredited Analytical Resources LLC

Daniel Miguel, Technical Director

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.



BRINKERHOFF ENVIRONMENTAL
 1805 Atlantic Ave.
 Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
 Project Manager: Doug Harm

Reported:
 11/10/2015 08:23

Client ID: EP-10
 Lab ID: 1501923-01 (Soil)

CAS#	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
------	---------	--------	-----	----	-------	----------	---------------	------------------	--------	-------

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

Sample Prepared by Method: EPA 5035A

107-02-8	Acrolein	ND	9.17	15.3	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
107-13-1	Acrylonitrile	ND	3.06	15.3	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
67-64-1	Acetone	18.3	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	B
75-71-8	Dichlorodifluoromethane	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
74-87-3	Chloromethane	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
75-01-4	Vinyl chloride	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
74-83-9	Bromomethane	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
75-00-3	Chloroethane	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
75-69-4	Trichlorofluoromethane	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
75-35-4	1,1-Dichloroethene	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
75-15-0	Carbon disulfide	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
75-09-2	Methylene Chloride	2.92	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	J
156-60-5	trans-1,2-Dichloroethene	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
75-34-3	1,1-Dichloroethane	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
108-05-4	Vinyl acetate	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
590-20-7	2,2-Dichloropropane	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
78-93-3	2-Butanone	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
156-59-4	cis-1,2-Dichloroethene	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
67-66-3	Chloroform	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
74-97-5	Bromochloromethane	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
71-55-6	1,1,1-Trichloroethane	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
563-58-6	1,1-Dichloropropene	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
56-23-5	Carbon Tetrachloride	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
107-06-2	1,2-Dichloroethane	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
71-43-2	Benzene	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
79-01-6	Trichloroethene	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
78-87-5	1,2-Dichloropropane	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U

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Daniel Miguel, Technical Director

MFP 12/10/15



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 106R188
Project Manager: Doug Harm

Reported:
11/10/2015 08:23

Client ID: EP-10

Lab ID: 1501923-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
Accredited Analytical Resources LLC										
Volatile Organic Compounds EPA Method SW846 8260										
75-27-4	Bromodichloromethane	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
74-95-3	Dibromomethane	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
110-75-8	2-Chloroethyl vinyl ether	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
108-88-3	Toluene	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
79-00-5	1,1,2-Trichloroethane	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
108-10-1	4-Methyl-2-pentanone	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
106-93-4	1,2-Dibromoethane	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
591-78-6	2-Hexanone	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
142-28-9	1,3-Dichloropropane	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
127-18-4	Tetrachloroethene	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
124-48-1	Dibromochloromethane	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
100-41-4	Ethylbenzene	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
108-90-7	Chlorobenzene	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
108-38-3/106-42-5	m,p-Xylenes	ND	3.06	6.11	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
95-47-6	o-Xylene	ND	3.06	6.11	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
100-42-5	Styrene	ND	1.53	6.11	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
75-25-2	Bromoform	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
98-82-8	Isopropylbenzene	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
96-18-4	1,2,3-Trichloropropane	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
103-65-1	n-Propyl Benzene	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
108-86-1	Bromobenzene	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
108-67-8	1,3,5-Trimethylbenzene	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
95-49-8	2-Chlorotoluene	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
106-43-4	4-Chlorotoluene	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
98-06-6	tert-Butylbenzene	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U

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Daniel Miguel, Technical Director



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/10/2015 08:23

Client ID: EP-10

Lab ID: 1501923-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Volatile Organic Compounds EPA Method SW846 8260

95-63-6	1,2,4-Trimethylbenzene	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
135-98-8	sec-Butylbenzene	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
99-87-6	p-Isopropyltoluene	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
541-73-1	1,3-Dichlorobenzene	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
106-46-7	1,4-Dichlorobenzene	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
104-51-8	n-Butyl Benzene	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
95-50-1	1,2-Dichlorobenzene	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
87-68-3	Hexachlorobutadiene	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
87-61-6	1,2,3-Trichlorobenzene	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U

Surrogate: 1,2-Dichloroethane-d4

106 % 70-130 11/03/15 15:36 11/03/15 15:36/SG EPA 8260

Surrogate: Toluene-d8

94 % 70-130 11/03/15 15:36 11/03/15 15:36/SG EPA 8260

Surrogate: Bromofluorobenzene

86 % 70-130 11/03/15 15:36 11/03/15 15:36/SG EPA 8260

Semivolatile Organic Compounds EPA Method SW846 8270

Sample Prepared by Method: EPA 3550B GCMS

62-75-9	N-Nitrosodimethylamine	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
108-95-2	Phenol	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
111-44-4	bis(2-chloroethyl)ether	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
95-57-8	2-Chlorophenol	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
541-73-1	1,3-Dichlorobenzene	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
106-46-7	1,4-Dichlorobenzene	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
100-51-6	Benzyl alcohol	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
95-50-1	1,2-Dichlorobenzene	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
95-48-7	2-Methylphenol	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
106-44-5	3 & 4-Methylphenol	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
621-64-7	N-Nitroso-di-n-propylamine	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director



BRINKERHOFF ENVIRONMENTAL
 1805 Atlantic Ave. Project: 138th Street, Bronx, NY; 10BR188 Reported:
 Manasquan NJ, 08736 Project Manager: Doug Harm 11/10/2015 08:23

Client ID: EP-10
 Lab ID: 1501923-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
Accredited Analytical Resources LLC										
Semivolatile Organic Compounds EPA Method SW846 8270										
67-72-1	Hexachloroethane	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
98-95-3	Nitrobenzene	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
78-59-1	Isophorone	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
88-75-5	2-Nitrophenol	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
105-67-9	2,4-Dimethylphenol	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
65-85-0	Benzoic acid	ND	123	495	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
111-91-1	bis(2-chloroethoxy)methane	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
120-83-2	2,4-Dichlorophenol	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
120-82-1	1,2,4-Trichlorobenzene	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
91-20-3	Naphthalene	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
106-47-8	4-Chloroaniline	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
87-68-3	Hexachlorobutadiene	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
59-50-7	4-Chloro-3-methylphenol	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
91-57-6	2-Methylnaphthylene	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
77-47-4	Hexachlorocyclopentadiene	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
88-06-2	2,4,6-Trichlorophenol	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
95-95-4	2,4,5-Trichlorophenol	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
91-58-7	2-Chloronaphthalene	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
88-74-4	2-Nitroaniline	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
131-11-3	Dimethylphthalate	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
208-96-8	Acenaphthylene	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
99-09-2	3-Nitroaniline	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
83-32-9	Acenaphthene	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
51-28-5	2,4-Dinitrophenol	ND	49.5	495	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
100-02-7	4-Nitrophenol	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
132-64-9	Dibenzofuran	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
606-20-2	2,6-Dinitrotoluene	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
121-14-2	2,4-Dinitrotoluene	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
84-66-2	Diethyl phthalate	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U

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Daniel Miguel, Technical Director

MP 12/11/15



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/10/2015 08:23

Client ID: EP-10

Lab ID: 1501923-01 (Soil)

CAS#	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Semivolatile Organic Compounds EPA Method SW846 8270

7005-72-3	4-Chlorophenyl-phenylether	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
86-73-7	Fluorene	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
100-01-6	4-Nitroaniline	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
86-30-6	N-Nitrosodiphenylamine	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
101-55-3	4-Bromophenyl-phenylether	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
118-74-1	Hexachlorobenzene	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
87-86-5	Pentachlorophenol	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
85-01-8	Phenanthrene	133	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	J
120-12-7	Anthracene	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
84-74-2	Di-n-butyl phthalate	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
206-44-0	Fluoranthene	99.1	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	J
129-00-0	Pyrene	139	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	J
85-68-7	Butylbenzylphthalate	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
91-94-1	3,3'-Dichlorobenzidine	ND	123	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
56-55-3	Benzo[a]anthracene	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
117-81-7	bis(2-ethylhexyl)phthalate	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
218-01-9	Chrysene	50.0	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	J
117-84-0	Di-n-octyl phthalate	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
205-99-2	Benzo[b]fluoranthene	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
207-08-9	Benzo[k]fluoranthene	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
50-32-8	Benzo[a]pyrene	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
53-70-3	Dibenzo(a,h)anthracene	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
191-24-2	Benzo[ghi]perylene	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U

Surrogate: 2-Fluorophenol

47 % 30-130 10/30/15 06:08 10/30/15 19:53/JMM EPA 8270

Surrogate: Phenol-d5

52 % 30-130 10/30/15 06:08 10/30/15 19:53/JMM EPA 8270

Surrogate: Nitrobenzene-d5

41 % 30-130 10/30/15 06:08 10/30/15 19:53/JMM EPA 8270

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/10/2015 08:23

Client ID: EP-10

Lab ID: 1501923-01 (Soil)

CAS#	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Semivolatile Organic Compounds EPA Method SW846 8270

Surrogate: 2-Fluorobiphenyl		45 %		30-130			10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	
Surrogate: 2,4,6-Tribromophenol		54 %		30-130			10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	
Surrogate: Terphenyl-d14		60 %		30-130			10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	

EPA Method SW846 8081/8082

Sample Prepared by Method: EPA 3550B

319-84-6	alpha-BHC	ND	0.981	0.981	ug/kg dry	1	11/02/15 05:57	11/02/15 20:02/JAM	EPA 8081/8082	U
319-85-7	beta-BHC	ND	0.981	0.981	ug/kg dry	1	11/02/15 05:57	11/02/15 20:02/JAM	EPA 8081/8082	U
319-86-8	delta-BHC	ND	0.981	0.981	ug/kg dry	1	11/02/15 05:57	11/02/15 20:02/JAM	EPA 8081/8082	U
58-89-9	gamma-BHC [Lindane]	ND	0.981	0.981	ug/kg dry	1	11/02/15 05:57	11/02/15 20:02/JAM	EPA 8081/8082	U
76-44-8	Heptachlor	ND	0.981	0.981	ug/kg dry	1	11/02/15 05:57	11/02/15 20:02/JAM	EPA 8081/8082	U
309-00-2	Aldrin	ND	0.981	0.981	ug/kg dry	1	11/02/15 05:57	11/02/15 20:02/JAM	EPA 8081/8082	U
1024-57-3	Heptachlor Epoxide	ND	0.981	0.981	ug/kg dry	1	11/02/15 05:57	11/02/15 20:02/JAM	EPA 8081/8082	U
959-98-8	Endosulfan I	ND	0.981	0.981	ug/kg dry	1	11/02/15 05:57	11/02/15 20:02/JAM	EPA 8081/8082	U
60-57-1	Dieldrin	ND	1.98	1.98	ug/kg dry	1	11/02/15 05:57	11/02/15 20:02/JAM	EPA 8081/8082	U
72-55-9	4,4'-DDE	ND	1.98	1.98	ug/kg dry	1	11/02/15 05:57	11/02/15 20:02/JAM	EPA 8081/8082	U
72-20-8	Endrin	ND	1.98	1.98	ug/kg dry	1	11/02/15 05:57	11/02/15 20:02/JAM	EPA 8081/8082	U
33213-65-9	Endosulfan II	ND	1.98	1.98	ug/kg dry	1	11/02/15 05:57	11/02/15 20:02/JAM	EPA 8081/8082	U
72-54-8	4,4'-DDD	ND	1.98	1.98	ug/kg dry	1	11/02/15 05:57	11/02/15 20:02/JAM	EPA 8081/8082	U
1031-07-8	Endosulfan sulfate	ND	1.98	1.98	ug/kg dry	1	11/02/15 05:57	11/02/15 20:02/JAM	EPA 8081/8082	U
50-29-3	4,4'-DDT	ND	1.98	1.98	ug/kg dry	1	11/02/15 05:57	11/02/15 20:02/JAM	EPA 8081/8082	U
72-43-5	Methoxychlor	ND	9.90	9.90	ug/kg dry	1	11/02/15 05:57	11/02/15 20:02/JAM	EPA 8081/8082	U
53494-70-5	Endrin ketone	ND	1.98	1.98	ug/kg dry	1	11/02/15 05:57	11/02/15 20:02/JAM	EPA 8081/8082	U
7421-93-4	Endrin aldehyde	ND	1.98	1.98	ug/kg dry	1	11/02/15 05:57	11/02/15 20:02/JAM	EPA 8081/8082	U
5103-71-9	alpha-Chlordane	ND	0.981	0.981	ug/kg dry	1	11/02/15 05:57	11/02/15 20:02/JAM	EPA 8081/8082	U
5566-34-7	gamma-Chlordane	ND	0.981	0.981	ug/kg dry	1	11/02/15 05:57	11/02/15 20:02/JAM	EPA 8081/8082	U
8001-35-2	Toxaphene	ND	49.5	49.5	ug/kg dry	1	11/02/15 05:57	11/02/15 20:02/JAM	EPA 8081/8082	U
12674-11-2	Aroclor-1016	ND	24.7	49.5	ug/kg dry	1	11/02/15 05:57	11/02/15 20:02/JAM	EPA 8081/8082	U
11104-28-2	Aroclor-1221	ND	24.7	49.5	ug/kg dry	1	11/02/15 05:57	11/02/15 20:02/JAM	EPA 8081/8082	U

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Daniel Miguel, Technical Director



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Project Manager: Doug Harm

Reported:
11/10/2015 08:23

Client ID: EP-10

Lab ID: 1501923-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Accredited Analytical Resources LLC

EPA Method SW846 8081/8082

11141-16-5	Aroclor-1232	ND	24.7	49.5	ug/kg dry	1	11/02/15 05:57	11/02/15 20:02/JAM	EPA 8081/8082	U
53469-21-9	Aroclor-1242	ND	24.7	49.5	ug/kg dry	1	11/02/15 05:57	11/02/15 20:02/JAM	EPA 8081/8082	U
12672-29-6	Aroclor-1248	ND	24.7	49.5	ug/kg dry	1	11/02/15 05:57	11/02/15 20:02/JAM	EPA 8081/8082	U
11097-69-1	Aroclor-1254	ND	24.7	49.5	ug/kg dry	1	11/02/15 05:57	11/02/15 20:02/JAM	EPA 8081/8082	U
11096-82-5	Aroclor-1260	ND	24.7	49.5	ug/kg dry	1	11/02/15 05:57	11/02/15 20:02/JAM	EPA 8081/8082	U
37324-23-5	Aroclor-1262	ND	24.7	49.5	ug/kg dry	1	11/02/15 05:57	11/02/15 20:02/JAM	EPA 8081/8082	U
11100-14-4	Aroclor-1268	ND	24.7	49.5	ug/kg dry	1	11/02/15 05:57	11/02/15 20:02/JAM	EPA 8081/8082	U
Surrogate: Tetrachloro-m-xylene				74.7 %	30-150		11/02/15 05:57	11/02/15 20:02/JAM	EPA 8081/8082	
Surrogate: Tetrachloro-m-xylene				82.1 %	30-150		11/02/15 05:57	11/02/15 20:02/JAM	EPA 8081/8082	
Surrogate: Decachlorobiphenyl				87.2 %	30-150		11/02/15 05:57	11/02/15 20:02/JAM	EPA 8081/8082	
Surrogate: Decachlorobiphenyl				94.8 %	30-150		11/02/15 05:57	11/02/15 20:02/JAM	EPA 8081/8082	

Total Metals by EPA Method SW846 6010

Sample Prepared by Method: EPA 3050B

7429-90-5	Aluminum	8980	29.7	29.7	mg/kg dry	1	10/30/15 08:41	10/30/15 14:02/LIT	EPA 6010	
7440-36-0	Antimony	ND	5.94	5.94	mg/kg dry	1	10/30/15 08:41	10/30/15 14:02/LIT	EPA 6010	U
7440-38-2	Arsenic	2.67	1.49	1.49	mg/kg dry	1	10/30/15 08:41	10/30/15 14:02/LIT	EPA 6010	
7440-39-3	Barium	51.8	29.7	29.7	mg/kg dry	1	10/30/15 08:41	10/30/15 14:02/LIT	EPA 6010	
7440-41-7	Beryllium	ND	0.743	0.743	mg/kg dry	1	10/30/15 08:41	10/30/15 14:02/LIT	EPA 6010	U
7440-43-9	Cadmium	ND	0.743	0.743	mg/kg dry	1	10/30/15 08:41	10/30/15 14:02/LIT	EPA 6010	U
7440-70-2	Calcium	7450	37.1	37.1	mg/kg dry	1	10/30/15 08:41	10/30/15 14:02/LIT	EPA 6010	
7440-47-3	Chromium	14.7	2.97	2.97	mg/kg dry	1	10/30/15 08:41	10/30/15 14:02/LIT	EPA 6010	
7440-48-4	Cobalt	7.93	7.43	7.43	mg/kg dry	1	10/30/15 08:41	10/30/15 14:02/LIT	EPA 6010	
7440-50-8	Copper	21.9	4.46	4.46	mg/kg dry	1	10/30/15 08:41	10/30/15 14:02/LIT	EPA 6010	
7439-89-6	Iron	13980	37.1	37.1	mg/kg dry	1	10/30/15 08:41	10/30/15 14:02/LIT	EPA 6010	
7439-92-1	Lead	22.0	1.49	1.49	mg/kg dry	1	10/30/15 08:41	10/30/15 14:02/LIT	EPA 6010	
7439-95-4	Magnesium	7100	74.3	74.3	mg/kg dry	1	10/30/15 08:41	10/30/15 14:02/LIT	EPA 6010	
7439-96-5	Manganese	350 J	2.97	2.97	mg/kg dry	1	10/30/15 08:41	10/30/15 14:02/LIT	EPA 6010	

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Daniel Miguel, Technical Director

mmw 12/11/15



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Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
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Client ID: EP-10

Lab ID: 1501923-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Accredited Analytical Resources LLC

Total Metals by EPA Method SW846 6010

7440-02-0	Nickel	15.5	5.94	5.94	mg/kg dry	1	10/30/15 08:41	10/30/15 14:02/LIT	EPA 6010	
7440-09-7	Potassium	1150	74.3	74.3	mg/kg dry	1	10/30/15 08:41	10/30/15 14:02/LIT	EPA 6010	
7782-49-2	Selenium	ND	5.94	5.94	mg/kg dry	1	10/30/15 08:41	10/30/15 14:02/LIT	EPA 6010	U
7440-22-4	Silver	ND	0.743	0.743	mg/kg dry	1	10/30/15 08:41	10/30/15 14:02/LIT	EPA 6010	U
7440-23-5	Sodium	289	74.3	74.3	mg/kg dry	1	10/30/15 08:41	10/30/15 14:02/LIT	EPA 6010	
7440-28-0	Thallium	ND	2.23	4.46	mg/kg dry	1	10/30/15 08:41	10/30/15 14:02/LIT	EPA 6010	U
7440-62-2	Vanadium	19.2	7.43	7.43	mg/kg dry	1	10/30/15 08:41	10/30/15 14:02/LIT	EPA 6010	
7440-66-6	Zinc	51.0	8.92	8.92	mg/kg dry	1	10/30/15 08:41	10/30/15 14:02/LIT	EPA 6010	

Total Mercury by SW846 7471

Sample Prepared by Method: EPA 7471A

7439-97-6	Mercury	ND	0.111	0.111	mg/kg dry	1	10/30/15 08:00	10/30/15 14:10/PRT	EPA 7471	
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Wet Chemistry

Sample Prepared by Method: EPA 9010C

NA	Cyanide (total)	ND	1.49	1.49	mg/kg dry	1	11/03/15 10:10	11/03/15 15:07/NNM	EPA 9014	
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Sample Prepared by Method: Percent Solids

NA	Percent Solids	67.3	0.100	0.100	%	1	10/30/15 15:15	11/02/15 10:42/CLD	SM 2540 G	
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Daniel Miguel, Technical Director

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MMP 12/11/15

Appendix B

***Laboratory
QC
Documentation***



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Client: BRINKERHOFF ENVIRONMENTAL
Project: 138th Street, Bronx, NY; 10BR188
Work Order: 1501923

Matrix: Solid	Analysis Method: EPA 8270
Prep Batch: B5J3001	Prep Method: EPA 3550B GCMS
Percent Solids: 88.10	Laboratory ID: B5J3001-MS1
	Client Sample ID: 1501921-01

ANALYTE	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC.	QC LIMITS REC.
Pyridine	1890	ND	1010	53	20 - 160
N-Nitrosodimethylamine	1890	ND	1020	54	20 - 160
Aniline	1890	ND	1390	73	20 - 160
Phenol	1890	ND	1380	73	20 - 160
bis(2-chloroethyl)ether	1890	ND	1320	70	70 - 130
2-Chlorophenol	1890	ND	1500	79	70 - 130
1,3-Dichlorobenzene	1890	ND	1400	74	70 - 130
1,4-Dichlorobenzene	1890	ND	1370	73	70 - 130
Benzyl alcohol	1890	ND	1330	71	20 - 160
1,2-Dichlorobenzene	1890	ND	1390	74	70 - 130
2-Methylphenol	1890	ND	1440	76	20 - 160
bis(2-chloroisopropyl)ether	1890	ND	1080	57	* 70 - 130
3 & 4-Methylphenol	1890	ND	1430	76	20 - 160
N-Nitroso-di-n-propylamine	1890	ND	1240	66	* 70 - 130
Hexachloroethane	1890	ND	1310	69	20 - 160
Nitrobenzene	1890	ND	1390	73	70 - 130
Isophorone	1890	ND	1210	64	* 70 - 130
2-Nitrophenol	1890	ND	1440	76	70 - 130
2,4-Dimethylphenol	1890	ND	1360	72	70 - 130
bis(2-chloroethoxy)methane	1890	ND	1260	67	* 70 - 130
2,4-Dichlorophenol	1890	ND	1430	76	70 - 130
1,2,4-Trichlorobenzene	1890	ND	1410	75	70 - 130
Naphthalene	1890	ND	1330	71	70 - 130
4-Chloroaniline	1890	ND	955	50	20 - 160
Hexachlorobutadiene	1890	ND	1240	66	* 70 - 130
4-Chloro-3-methylphenol	1890	ND	919	49	* 70 - 130
2-Methylnaphthylene	1890	53.0	1130	57	* 70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Client: BRINKERHOFF ENVIRONMENTAL
 Project: 138th Street, Bronx, NY; 10BR188
 Work Order: 1501923

Matrix:	Solid	Analysis Method:	EPA 8270
Prep Batch:	B5J3001	Prep Method:	EPA 3550B GCMS
Percent Solids:	88.10	Laboratory ID:	B5J3001-MS1
		Client Sample ID:	1501921-01

ANALYTE	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC.	QC LIMITS REC.
Hexachlorocyclopentadiene	1890	ND	574	30	20 - 160
2,4,6-Trichlorophenol	1890	ND	1460	77	70 - 130
2,4,5-Trichlorophenol	1890	ND	1500	79	70 - 130
2-Chloronaphthalene	1890	ND	1400	74	70 - 130
2-Nitroaniline	1890	ND	817	43	* 70 - 130
Dimethylphthalate	1890	ND	1350	71	70 - 130
Acenaphthylene	1890	77.6	1320	66	* 70 - 130
3-Nitroaniline	1890	ND	1170	62	* 70 - 130
Acenaphthene	1890	ND	1270	67	* 70 - 130
2,4-Dinitrophenol	1890	ND	774	41	20 - 160
4-Nitrophenol	1890	ND	1100	58	20 - 160
Dibenzofuran	1890	ND	1300	69	* 70 - 130
2,6-Dinitrotoluene	1890	ND	1260	67	* 70 - 130
2,4-Dinitrotoluene	1890	ND	1230	65	* 70 - 130
2,3,4,6-Tetrachlorophenol	1890	ND	1340	71	70 - 130
Diethyl phthalate	1890	ND	1460	77	70 - 130
4-Chlorophenyl-phenylether	1890	ND	1370	73	70 - 130
Fluorene	1890	ND	1400	74	70 - 130
4-Nitroaniline	1890	ND	1020	54	* 70 - 130
4,6-Dinitro-2-methylphenol	1890	ND	1130	60	* 70 - 130
Carbazole	1890	ND	1320	70	70 - 130
N-Nitrosodiphenylamine	1890	ND	1480	78	20 - 160
Azobenzene	1890	ND	1090	58	* 70 - 130
4-Bromophenyl-phenylether	1890	ND	1380	73	70 - 130
Hexachlorobenzene	1890	ND	1390	74	70 - 130
Pentachlorophenol	1890	ND	1210	64	20 - 160
Phenanthrene	1890	172	1420	66	* 70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Client: **BRINKERHOFF ENVIRONMENTAL**
 Project: **138th Street, Bronx, NY; 10BR188**
 Work Order: **1501923**

Matrix:	Solid	Analysis Method:	EPA 8270
Prep Batch:	B5J3001	Prep Method:	EPA 3550B GCMS
Percent Solids:	88.10	Laboratory ID:	B5J3001-MS1
		Client Sample ID:	1501921-01

ANALYTE	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC.	QC LIMITS REC.
Anthracene	1890	60.9	1400	71	70 - 130
Di-n-butyl phthalate	1890	ND	1190	63	* 70 - 130
Fluoranthene	1890	472	1560	58	* 70 - 130
Pyrene	1890	409	1320	48	* 70 - 130
Butylbenzylphthalate	1890	ND	1260	67	* 70 - 130
Benzo[a]anthracene	1890	272	1300	55	* 70 - 130
bis(2-ethylhexyl)phthalate	1890	ND	1310	69	* 70 - 130
Chrysene	1890	344	1560	64	* 70 - 130
Di-n-octyl phthalate	1890	ND	1130	60	* 70 - 130
Benzo[b]fluoranthene	1890	328	1520	63	* 70 - 130
Benzo[k]fluoranthene	1890	191	1400	64	* 70 - 130
Benzo[a]pyrene	1890	253	1340	58	* 70 - 130
Indeno(1,2,3-cd)pyrene	1890	138	1130	52	* 70 - 130
Dibenzo(a,h)anthracene	1890	50.3	1150	58	* 70 - 130
Benzo[ghi]perylene	1890	155	969	43	* 70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike Dup

Client: BRINKERHOFF ENVIRONMENTAL
Project: 138th Street, Bronx, NY; 10BR188
Work Order: 1501923

Matrix:	Solid	Analysis Method:	EPA 8270
Prep Batch:	B5J3001	Prep Method:	EPA 3550B GCMS
Percent Solids:	88.10	Laboratory ID:	B5J3001-MSD1
		Client Sample ID:	1501921-01

ANALYTE	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
Pyridine	1890	931	49	8	30	20 - 160
N-Nitrosodimethylamine	1890	1020	54	0.3	30	20 - 160
Aniline	1890	1260	67	9	30	20 - 160
Phenol	1890	1280	68	7	30	20 - 160
bis(2-chloroethyl)ether	1890	1230	65	7	30	70 - 130
2-Chlorophenol	1890	1390	73	8	30	70 - 130
1,3-Dichlorobenzene	1890	1340	71	4	30	70 - 130
1,4-Dichlorobenzene	1890	1320	70	4	30	70 - 130
Benzyl alcohol	1890	1310	69	2	30	20 - 160
1,2-Dichlorobenzene	1890	1300	68	7	30	70 - 130
2-Methylphenol	1890	1370	73	5	30	20 - 160
bis(2-chloroisopropyl)ether	1890	1090	58	0.5	30	70 - 130
3 & 4-Methylphenol	1890	1360	72	5	30	20 - 160
N-Nitroso-di-n-propylamine	1890	1220	65	2	30	70 - 130
Hexachloroethane	1890	1280	68	2	30	20 - 160
Nitrobenzene	1890	1240	65	11	30	70 - 130
Isophorone	1890	1130	60	7	30	70 - 130
2-Nitrophenol	1890	1340	71	7	30	70 - 130
2,4-Dimethylphenol	1890	1260	66	8	30	70 - 130
bis(2-chloroethoxy)methane	1890	1160	62	8	30	70 - 130
2,4-Dichlorophenol	1890	1290	68	11	30	70 - 130
1,2,4-Trichlorobenzene	1890	1290	68	9	30	70 - 130
Naphthalene	1890	1240	66	7	30	70 - 130
4-Chloroaniline	1890	567	30	51	30	20 - 160
Hexachlorobutadiene	1890	1190	63	5	30	70 - 130
4-Chloro-3-methylphenol	1890	958	51	4	30	70 - 130
2-Methylnaphthylene	1890	1060	53	6	30	70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike Dup

Client: BRINKERHOFF ENVIRONMENTAL
 Project: 138th Street, Bronx, NY; 10BR188
 Work Order: 1501923

Matrix:	Solid	Analysis Method:	EPA 8270
Prep Batch:	B5J3001	Prep Method:	EPA 3550B GCMS
Percent Solids:	88.10	Laboratory ID:	B5J3001-MSD1
		Client Sample ID:	1501921-01

ANALYTE	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % REC. #	% RPD	QC LIMITS		
					RPD	REC.	
Hexachlorocyclopentadiene	1890	498	26	14	30	20 - 160	
2,4,6-Trichlorophenol	1890	1480	78	1	30	70 - 130	
2,4,5-Trichlorophenol	1890	1550	82	3	30	70 - 130	
2-Chloronaphthalene	1890	1450	77	3	30	70 - 130	
2-Nitroaniline	1890	853	45	*	4	30	70 - 130
Dimethylphthalate	1890	1290	68	*	5	30	70 - 130
Acenaphthylene	1890	1290	64	*	2	30	70 - 130
3-Nitroaniline	1890	986	52	*	17	30	70 - 130
Acenaphthene	1890	1290	68	*	1	30	70 - 130
2,4-Dinitrophenol	1890	646	34		18	30	20 - 160
4-Nitrophenol	1890	1170	62		6	30	20 - 160
Dibenzofuran	1890	1290	68	*	0.1	30	70 - 130
2,6-Dinitrotoluene	1890	1260	66	*	0.4	30	70 - 130
2,4-Dinitrotoluene	1890	1270	67	*	4	30	70 - 130
2,3,4,6-Tetrachlorophenol	1890	1330	71		0.1	30	70 - 130
Diethyl phthalate	1890	1330	71		9	30	70 - 130
4-Chlorophenyl-phenylether	1890	1270	67	*	8	30	70 - 130
Fluorene	1890	1310	69	*	7	30	70 - 130
4-Nitroaniline	1890	993	52	*	3	30	70 - 130
4,6-Dinitro-2-methylphenol	1890	1060	56	*	6	30	70 - 130
Carbazole	1890	1310	69	*	0.5	30	70 - 130
N-Nitrosodiphenylamine	1890	1440	76		3	30	20 - 160
Azobenzene	1890	1080	57	*	1	30	70 - 130
4-Bromophenyl-phenylether	1890	1280	68	*	7	30	70 - 130
Hexachlorobenzene	1890	1300	69	*	7	30	70 - 130
Pentachlorophenol	1890	1160	61		4	30	20 - 160
Phenanthrene	1890	1340	62	*	6	30	70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike Dup

Client: BRINKERHOFF ENVIRONMENTAL
 Project: 138th Street, Bronx, NY; 10BR188
 Work Order: 1501923

Matrix:	Solid	Analysis Method:	EPA 8270
Prep Batch:	B5J3001	Prep Method:	EPA 3550B GCMS
Percent Solids:	88.10	Laboratory ID:	B5J3001-MSD1
		Client Sample ID:	1501921-01

ANALYTE	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % REC. #	%	QC LIMITS	
					RPD	REC.
Anthracene	1890	1360	69 *	3	30	70 - 130
Di-n-butyl phthalate	1890	1150	61 *	4	30	70 - 130
Fluoranthene	1890	1450	52 *	7	30	70 - 130
Pyrene	1890	1250	44 *	5	30	70 - 130
Butylbenzylphthalate	1890	1210	64 *	4	30	70 - 130
Benzo[a]anthracene	1890	1210	49 *	8	30	70 - 130
bis(2-ethylhexyl)phthalate	1890	1260	66 *	4	30	70 - 130
Chrysene	1890	1480	60 *	5	30	70 - 130
Di-n-octyl phthalate	1890	1130	60 *	0.3	30	70 - 130
Benzo[b]fluoranthene	1890	1400	57 *	8	30	70 - 130
Benzo[k]fluoranthene	1890	1530	71	9	30	70 - 130
Benzo[a]pyrene	1890	1240	52 *	8	30	70 - 130
Indeno(1,2,3-cd)pyrene	1890	943	43 *	18	30	70 - 130
Dibenzo(a,h)anthracene	1890	1020	51 *	12	30	70 - 130
Benzo[ghi]perylene	1890	785	33 *	21	30	70 - 130

* Values outside of QC limits



LCS / LCS DUPLICATE RECOVERY

EPA 8270

Client: **BRINKERHOFF ENVIRONMENTAL**
 Project: **138th Street, Bronx, NY; 10BR188**
 Work Order: **1501923**

Matrix:	Solid	Prep Method:	EPA 3550B GCMS
Prep Batch:	B5J3001	Lab Sample ID:	B5J3001-BS1

ANALYTE	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC.	QC LIMITS REC.
Pyridine	1670	1390	83	20 - 160
N-Nitrosodimethylamine	1670	1460	87	20 - 160
Aniline	1670	1530	92	20 - 160
Phenol	1670	1500	90	20 - 160
bis(2-chloroethyl)ether	1670	1420	85	70 - 130
2-Chlorophenol	1670	1610	96	70 - 130
1,3-Dichlorobenzene	1670	1500	90	70 - 130
1,4-Dichlorobenzene	1670	1490	89	70 - 130
Benzyl alcohol	1670	1580	95	20 - 160
1,2-Dichlorobenzene	1670	1480	89	70 - 130
2-Methylphenol	1670	1540	92	20 - 160
bis(2-chloroisopropyl)ether	1670	1270	76	70 - 130
3 & 4-Methylphenol	1670	1590	95	20 - 160
N-Nitroso-di-n-propylamine	1670	1440	87	70 - 130
Hexachloroethane	1670	1560	94	20 - 160
Nitrobenzene	1670	1460	87	70 - 130
Isophorone	1670	1410	85	70 - 130
2-Nitrophenol	1670	1560	94	70 - 130
2,4-Dimethylphenol	1670	1420	85	70 - 130
bis(2-chloroethoxy)methane	1670	1400	84	70 - 130
2,4-Dichlorophenol	1670	1570	94	70 - 130
1,2,4-Trichlorobenzene	1670	1500	90	70 - 130
Naphthalene	1670	1420	85	70 - 130
4-Chloroaniline	1670	1020	61 *	70 - 130
Hexachlorobutadiene	1670	1420	85	70 - 130
4-Chloro-3-methylphenol	1670	1550	93	70 - 130
2-Methylnaphthylene	1670	1440	86	70 - 130
Hexachlorocyclopentadiene	1670	1400	84	20 - 160



INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
 Work Order: 1501923
 Project: 138th Street, Bronx, NY; 10BR188

Calibration:	15J2801	Instrument:	GC/MS F
		Calibration Date:	10/14/2015 11:58:45AM

COMPOUND	Mean RF	RF RSD	LIMIT	Q
Naphthalene	1.046911	9.03924		
4-Chloroaniline	0.4698055	3.957397		
Hexachlorobutadiene	0.1760276	3.718634	CCC (20)	
Caprolactam	0.1626493	9.438644		
4-Chloro-3-methylphenol	0.3365877	3.635553	CCC (20)	
2-Methylnaphthylene	0.697018	10.32335		
1,2,4,5-Tetrachlorobenzene	0.7846604	3.175806		
Hexachlorocyclopentadiene	0.2698404	26.71039	SPCC (0.05)	
2,4,6-Trichlorophenol	0.4396401	4.809339	CCC (20)	
2,4,5-Trichlorophenol	0.4343777	8.465463		
2-Chloronaphthalene	1.273224	9.135137		
1,1-Biphenyl	1.901611	12.61078		
2-Nitroaniline	0.4465861	3.27539		
Dimethylphthalate	1.571915	10.43119		
Acenaphthylene	2.112104	11.76371		
3-Nitroaniline	0.4648623	4.743253		
Acenaphthene	1.258578	11.18945	CCC (20)	
2,4-Dinitrophenol	0.1670239	68.69134	SPCC (0.05)	
4-Nitrophenol	0.1289473	34.71536	SPCC (0.05)	
Dibenzofuran	1.850723	7.017351		
2,6-Dinitrotoluene	0.4220418	4.567939		
2,4-Dinitrotoluene	0.5799641	3.417658		
2,3,4,6-Tetrachlorophenol	0.3782584	6.204434		
Diethyl phthalate	1.650577	14.88571		
4-Chlorophenyl-phenylether	0.6605373	9.298071		



CONTINUING CALIBRATION VERIFICATION

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1501923
Project: 138th Street, Bronx, NY; 10BR188
Instrument ID: GC/MS F
Lab File ID: F12110.D
Sequence: S5J3008
Lab Sample ID: S5J3008-CCV1

Calibration: 15J2801
Calibration Date: 10/14/15 11:58
Injection Date: 10/30/15
Injection Time: 13:44

COMPOUND	TYPE	CONC. (mg/L)		RESPONSE FACTOR			% DIFF	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Pyridine	A	50.0	51.2	1.088112	1.113819		2.4	
N-Nitrosodimethylamine	A	50.0	55.5	0.821932	0.9129955		11.1	
Benzaldehyde	A	50.0	76.7	0.2537039	0.3890459		53.3	<i>-Non-Target</i>
Aniline	A	50.0	51.7	2.543239	2.630197		3.4	
Phenol	A	50.0	49.0	2.156667	2.11213		-2.1	20
bis(2-chloroethyl)ether	A	50.0	48.6	1.915634	1.858897		-2.9	
2-Chlorophenol	A	50.0	49.6	1.572737	1.561022		-0.7	
1,3-Dichlorobenzene	A	50.0	47.9	1.572627	1.507521		-4.1	
1,4-Dichlorobenzene	A	50.0	48.4	1.585532	1.546125		-3.1	20
Benzyl alcohol	A	50.0	51.8	1.29629	1.341898		3.5	
1,2-Dichlorobenzene	A	50.0	47.9	1.561313	1.497067		-4.1	
2-Methylphenol	A	50.0	50.4	1.49489	1.506167		0.8	
bis(2-chloroisopropyl)ether	A	50.0	45.9	2.771059	2.546142		-8.1	
Acetophenone	A	50.0	40.9	2.648969	2.167571		-18.2	
3 & 4-Methylphenol	A	50.0	51.3	1.541056	1.580244		2.5	
N-Nitroso-di-n-propylamine	A	50.0	48.8	1.335053	1.301948	0.05	-2.5	
Hexachloroethane	A	50.0	49.6	0.7020757	0.6964307		-0.8	
Nitrobenzene	A	50.0	47.2	0.4070011	0.3842465		-5.6	
Isophorone	A	50.0	47.5	0.9358429	0.8885616		-5.1	
2-Nitrophenol	A	50.0	50.3	0.2214226	0.2228792		0.7	20
2,4-Dimethylphenol	A	50.0	47.6	0.3680573	0.3505753		-4.7	
Benzoic acid	A	50.0	53.0	0.1586347	0.168168		6.0	
bis(2-chloroethoxy)methane	A	50.0	47.3	0.5429761	0.5134164		-5.4	



CONTINUING CALIBRATION VERIFICATION

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1501923
Project: 138th Street, Bronx, NY; 10BR188
Instrument ID: GC/MS F
Lab File ID: F12227.D
Sequence: S5K1307
Lab Sample ID: S5K1307-CCV1

Calibration: 15J2801
Calibration Date: 10/14/15 11:58
Injection Date: 11/13/15
Injection Time: 13:24

COMPOUND	TYPE	CONC. (mg/L)		RESPONSE FACTOR			% DIFF	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dichlorophenol	A	50.0	51.2	0.3034206	0.3108435		2.4	20
1,2,4-Trichlorobenzene	A	50.0	49.8	0.3152609	0.3142394		-0.3	
Naphthalene	A	50.0	48.6	1.046911	1.016873		-2.9	
4-Chloroaniline	A	50.0	52.5	0.4698055	0.4936886		5.1	
Hexachlorobutadiene	A	50.0	47.6	0.1760276	0.1674627		-4.9	20
Caprolactam	A	50.0	47.2	0.1626493	0.1536029		-5.6	
4-Chloro-3-methylphenol	A	50.0	50.0	0.3365877	0.3367817		0.06	20
2-Methylnaphthylene	A	50.0	49.4	0.697018	0.6887716		-1.2	
1,2,4,5-Tetrachlorobenzene	A	50.0	38.9	0.7846604	0.6102237		-22.2	
Hexachlorocyclopentadiene	L	50.0	44.0	0.2698404	0.2906195	0.05	7.7	
2,4,6-Trichlorophenol	A	50.0	51.6	0.4396401	0.4539921		3.3	20
2,4,5-Trichlorophenol	A	50.0	53.5	0.4343777	0.4646402		7.0	
2-Chloronaphthalene	A	50.0	48.2	1.273224	1.22614		-3.7	
1,1-Biphenyl	A	50.0	38.1	1.901611	1.448351		-23.8	
2-Nitroaniline	A	50.0	47.1	0.4465861	0.4207287		-5.8	
Dimethylphthalate	A	50.0	48.7	1.571915	1.531387		-2.6	
Acenaphthylene	A	50.0	46.4	2.112104	1.961567		-7.1	
3-Nitroaniline	A	50.0	51.8	0.4648623	0.4816328		3.6	
Acenaphthene	A	50.0	46.3	1.268578	1.16479		-7.5	20
2,4-Dinitrophenol	L	50.0	47.6	0.1670239	0.2576149	0.05	54.2	
4-Nitrophenol	L	50.0	43.5	0.1289473	0.1430273	0.05	10.9	
Dibenzofuran	A	50.0	49.0	1.850723	1.814557		-2.0	
2,6-Dinitrotoluene	A	50.0	51.9	0.4220418	0.4380424		3.8	



ANALYSIS DATA SHEET

Blank

Client: **BRINKERHOFF ENVIRONMENTAL**
 Work Order: **1501923**
 Project: **138th Street, Bronx, NY; 10BR188**

Matrix:	Solid	Laboratory ID:	B5K0314-BLK1	File ID:	D12856.D
Batch:	B5K0314	Prepared:	11/03/15 12:04	Analyzed:	11/03/15 12:04
Column:	1	Preparation:	EPA 5035A	Dilution:	
		Sequence:	S5K0304	Instrument:	GC/MS D

CAS NO.	COMPOUND	CONC. (ug/kg wet)	MDL	RL	Q
107-02-8	Acrolein	ND	6.00	10.0	U
107-13-1	Acrylonitrile	ND	2.00	10.0	U
67-64-1	Acetone	6.85	1.00	2.00	
75-71-8	Dichlorodifluoromethane	ND	1.00	2.00	U
74-87-3	Chloromethane	ND	1.00	2.00	U
75-01-4	Vinyl chloride	ND	1.00	2.00	U
74-83-9	Bromomethane	ND	1.00	2.00	U
75-00-3	Chloroethane	ND	1.00	2.00	U
75-69-4	Trichlorofluoromethane	ND	1.00	2.00	U
75-35-4	1,1-Dichloroethene	ND	1.00	2.00	U
75-15-0	Carbon disulfide	ND	1.00	2.00	U
75-09-2	Methylene Chloride	ND	1.00	2.00	U
156-60-5	trans-1,2-Dichloroethene	ND	1.00	2.00	U
75-34-3	1,1-Dichloroethane	ND	1.00	2.00	U
108-05-4	Vinyl acetate	ND	1.00	2.00	U
590-20-7	2,2-Dichloropropane	ND	1.00	2.00	U
78-93-3	2-Butanone	ND	1.00	2.00	U
156-59-4	cis-1,2-Dichloroethene	ND	1.00	2.00	U
67-66-3	Chloroform	ND	1.00	2.00	U
74-97-5	Bromochloromethane	ND	1.00	2.00	U
71-55-6	1,1,1-Trichloroethane	ND	1.00	2.00	U
563-58-6	1,1-Dichloropropene	ND	1.00	2.00	U
56-23-5	Carbon Tetrachloride	ND	1.00	2.00	U
107-06-2	1,2-Dichloroethane	ND	1.00	2.00	U



ANALYSIS DATA SHEET

Blank

Client: **BRINKERHOFF ENVIRONMENTAL**
 Work Order: **1501923**
 Project: **138th Street, Bronx, NY; 10BR188**

Matrix:	Solid	Laboratory ID:	B5K0314-BLK1	File ID:	D12856.D
Batch:	B5K0314	Prepared:	11/03/15 12:04	Analyzed:	11/03/15 12:04
Column:	1	Preparation:	EPA 5035A	Dilution:	
		Sequence:	S5K0304	Instrument:	GC/MS D

CAS NO.	COMPOUND	CONC. (ug/kg wet)	MDL	RL	Q
71-43-2	Benzene	ND	1.00	2.00	U
79-01-6	Trichloroethene	ND	1.00	2.00	U
78-87-5	1,2-Dichloropropane	ND	1.00	2.00	U
75-27-4	Bromodichloromethane	ND	1.00	2.00	U
74-95-3	Dibromomethane	ND	1.00	2.00	U
110-75-8	2-Chloroethyl vinyl ether	ND	1.00	2.00	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.00	2.00	U
108-88-3	Toluene	ND	1.00	2.00	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.00	2.00	U
79-00-5	1,1,2-Trichloroethane	ND	1.00	2.00	U
108-10-1	4-Methyl-2-pentanone	ND	1.00	2.00	U
106-93-4	1,2-Dibromoethane	ND	1.00	2.00	U
591-78-6	2-Hexanone	ND	1.00	2.00	U
142-28-9	1,3-Dichloropropane	ND	1.00	2.00	U
127-18-4	Tetrachloroethene	ND	1.00	2.00	U
124-48-1	Dibromochloromethane	ND	1.00	2.00	U
100-41-4	Ethylbenzene	ND	1.00	2.00	U
108-90-7	Chlorobenzene	ND	1.00	2.00	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.00	2.00	U
108-38-3/106-42-3	m,p-Xylenes	ND	2.00	4.00	U
95-47-6	o-Xylene	ND	2.00	4.00	U
100-42-5	Styrene	ND	1.00	4.00	U
75-25-2	Bromoform	ND	1.00	2.00	U
98-82-8	isopropylbenzene	ND	1.00	2.00	U



ANALYSIS DATA SHEET

Blank

Client: **BRINKERHOFF ENVIRONMENTAL**
 Work Order: **1501923**
 Project: **138th Street, Bronx, NY; 10BR188**

Matrix:	Solid	Laboratory ID:	B5K0314-BLK1	File ID:	D12856.D
Batch:	B5K0314	Prepared:	11/03/15 12:04	Analyzed:	11/03/15 12:04
Column:	1	Preparation:	EPA 5035A	Dilution:	
		Sequence:	S5K0304	Instrument:	GC/MS D

CAS NO.	COMPOUND	CONC. (ug/kg wet)	MDL	RL	Q
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane	ND	1.00	2.00	U
103-65-1	n-Propyl Benzene	ND	1.00	2.00	U
108-86-1	Bromobenzene	ND	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene	ND	1.00	2.00	U
95-49-8	2-Chlorotoluene	ND	1.00	2.00	U
106-43-4	4-Chlorotoluene	ND	1.00	2.00	U
98-06-6	tert-Butylbenzene	ND	1.00	2.00	U
95-63-6	1,2,4-Trimethylbenzene	ND	1.00	2.00	U
135-98-8	sec-Butylbenzene	ND	1.00	2.00	U
99-87-6	p-Isopropyltoluene	ND	1.00	2.00	U
541-73-1	1,3-Dichlorobenzene	ND	1.00	2.00	U
106-46-7	1,4-Dichlorobenzene	ND	1.00	2.00	U
104-51-8	n-Butyl Benzene	ND	1.00	2.00	U
95-50-1	1,2-Dichlorobenzene	ND	1.00	2.00	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.00	2.00	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.00	2.00	U
87-68-3	Hexachlorobutadiene	ND	1.00	2.00	U
91-20-3	Naphthalene	ND	1.00	2.00	U
87-61-6	1,2,3-Trichlorobenzene	ND	1.00	2.00	U
	<u>Surrogate</u>	<u>% Recovery</u>		<u>Recovery Limits</u>	
	1,2-Dichloroethane-d4	103%		70-130	
	Toluene-d8	100%		70-130	
	Bromofluorobenzene	94%		70-130	



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike Dup

Client: BRINKERHOFF ENVIRONMENTAL
 Project: 138th Street, Bronx, NY; 10BR188
 Work Order: 1501923

Matrix:	Solid	Analysis Method:	EPA 8260
Prep Batch:	B5K0314	Prep Method:	EPA 5035A
Percent Solids:	85.30	Laboratory ID:	B5K0314-MSD1
		Client Sample ID:	1501917-02

ANALYTE	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
Benzene	58.6	60.6	103	6	30	70 - 130
Trichloroethene	58.6	59.7	102	6	30	70 - 130
Methylcyclohexane	58.6	51.1	87	6	30	70 - 130
1,2-Dichloropropane	58.6	67.0	114	8	30	70 - 130
Bromodichloromethane	58.6	65.4	112	8	30	70 - 130
Dibromomethane	58.6	68.1	116	8	30	70 - 130
2-Chloroethyl vinyl ether	58.6	72.3	123	10	30	40 - 160
cis-1,3-Dichloropropene	58.6	69.7	119	10	30	70 - 130
Toluene	58.6	61.6	105	7	30	70 - 130
trans-1,3-Dichloropropene	58.6	72.6	124	11	30	70 - 130
1,1,2-Trichloroethane	58.6	72.6	124	10	30	70 - 130
4-Methyl-2-pentanone	58.6	72.3	123	12	30	40 - 160
1,2-Dibromoethane	58.6	75.3	128	12	30	70 - 130
2-Hexanone	58.6	64.3	110	13	30	40 - 160
1,3-Dichloropropane	58.6	73.6	126	12	30	70 - 130
Tetrachloroethene	58.6	57.6	98	10	30	70 - 130
Dibromochloromethane	58.6	72.2	123	12	30	70 - 130
Ethylbenzene	58.6	63.6	108	9	30	70 - 130
Chlorobenzene	58.6	65.6	112	10	30	70 - 130
1,1,1,2-Tetrachloroethane	58.6	67.4	115	10	30	70 - 130
m,p-Xylenes	117	126	108	8	30	70 - 130
o-Xylene	117	123	105	9	30	70 - 130
Styrene	117	122	104	9	30	70 - 130
Bromoform	58.6	71.1	121	13	30	70 - 130
Isopropylbenzene	58.6	65.7	112	13	30	70 - 130
1,1,2,2-Tetrachloroethane	58.6	83.0	142	13	30	70 - 130
1,2,3-Trichloropropane	58.6	79.6	136	12	30	70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike Dup

Client: BRINKERHOFF ENVIRONMENTAL
 Work Order: 1501923
 Project: 138th Street, Bronx, NY; 10BR188

Matrix:	Solid	Analysis:	EPA 6010
Batch:	B5J3010	Preparation:	EPA 3050B
% Solids:	88.10	Laboratory ID:	B5J3010-MSD1
		Client Sample ID:	1501921-01

ANALYTE	SPIKE ADDED (mg/kg dry)	MSD CONCENTRATION (mg/kg dry)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
Aluminum	284	18700	1810	* 18 6.84	20	75 - 125
Antimony	284	252	88.9	4.08	20	75 - 125
Arsenic	284	269	92.9	2.66	20	75 - 125
Barium	284	324	96.2	4.75	20	75 - 125
Beryllium	284	271	95.3	3.19	20	75 - 125
Cadmium	284	260	91.7	2.71	20	75 - 125
Calcium	284	1560	24.4	* 24 20.7 *	20	75 - 125
Chromium	284	283	90.5	2.40	20	75 - 125
Cobalt	284	263	87.4	3.21	20	75 - 125
Copper	284	294	90.3	2.90	20	75 - 125
Lead	284	280	82.7	5.01	20	75 - 125
Magnesium	284	1740	14.4	* 14 3.40	20	75 - 125
Manganese	284	690	65.8	* 3.17	20	75 - 125
Nickel	284	266	88.6	2.59	20	75 - 125
Potassium	284	900	132	* 10.1	20	75 - 125
Selenium	284	242	85.2	4.14	20	75 - 125
Silver	28.4	24.9	87.7	4.54	20	75 - 125
Sodium	284	331	91.4	5.43	20	75 - 125
Thallium	284	235	82.9	4.09	20	75 - 125
Vanadium	284	307	95.6	1.14	20	75 - 125
Zinc	284	321	76.5	3.72	20	75 - 125

* spiked too low



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1501923
Project: 138th Street, Bronx, NY; 10BR188

Matrix:	Solid	Analysis:	EPA 6010
Batch:	B5J3010	Preparation:	EPA 3050B
% Solids:	88.10	Laboratory ID:	B5J3010-MS1
		Client Sample ID:	1501921-01

ANALYTE	SPIKE ADDED (mg/kg dry)	SAMPLE CONCENTRATION (mg/kg dry)	MS CONCENTRATION (mg/kg dry)	MS % REC.	QC LIMITS REC.
Aluminum	284	13500	20000 *	2280 *	75 - 125
Antimony	284	ND	263	92.6	75 - 125
Arsenic	284	5.81	277	95.5	75 - 125
Barium	284	51.1	340	102	75 - 125
Beryllium	284	0.810	280	98.4	75 - 125
Cadmium	284	ND	267	94.2	75 - 125
Calcium	284	1500	1930 *	152 *	75 - 125
Chromium	284	26.1	290	92.9	75 - 125
Cobalt	284	15.0	272	90.4	75 - 125
Copper	284	37.5	302	93.3	75 - 125
Lead	284	44.8	294	87.8	75 - 125
Magnesium	284	1700	1800 *	35.6 *	75 - 125
Manganese	284	503	669 *	58.2 *	75 - 125
Nickel	284	14.7	273	91.1	75 - 125
Potassium	284	525	995 *	166 *	75 - 125
Selenium	284	ND	252	88.8	75 - 125
Silver	28.4	ND	26.1	91.8	75 - 125
Sodium	284	71.7	350	98.0	75 - 125
Thallium	284	ND	245	86.3	75 - 125
Vanadium	284	35.4	310	96.9	75 - 125
Zinc	284	104	333	80.8	75 - 125

** spiked too low*



SERIAL DILUTION

EPA 6010

Laboratory:	Accredited Analytical Resources LLC	Work Order:	1501923
Client:	BRINKERHOFF ENVIRONMENTAL	Project:	138th Street, Bronx, NY; 10BR188
Matrix:	Solid	Laboratory ID:	S5J3004-SRD1
Sequence:	S5J3004	Source:	ZZZZZZ

Analyte	Initial Sample Result (I)	Serial Dilution Result (S)	% Difference	Q	QC Limits % Difference
Magnesium	1700	1740	2.30		10.00
Antimony	ND	ND	N/A		10.00
Arsenic	5.81	6.34	8.73		10.00
Barium	51.1	ND	N/A		10.00
Beryllium	0.810	ND	N/A		10.00
Cadmium	ND	ND	N/A		10.00
Calcium	1500	1570	4.60		10.00
Chromium	26.1	26.8	2.49		10.00
Cobalt	15.0	ND	N/A		10.00
Aluminum	13500	13600	0.314		10.00
Lead	44.8	48.8	8.46		10.00
Manganese	503	529	4.94		10.00
Nickel	14.7	ND	N/A		10.00
Potassium	525	510	2.82		10.00
Selenium	ND	ND	N/A		10.00
Silver	ND	ND	N/A		10.00
Sodium	71.7	ND	N/A		10.00
Thallium	ND	ND	N/A		10.00
Vanadium	35.4	36.7	3.62		10.00
Zinc	104	115	10.6	*	10.00
Copper	37.5	39.4	5.06		10.00

* Values outside of QC limits

Appendix C

Validator Qualifications

MICHAEL K. PERRY
Chemist/Data Validator

B.S. Chemistry, Georgia State University, Atlanta, GA

A.A.S., Chemical Technology, Alfred State College, Alfred, NY

Mr. Perry has over 30 years of experience in the analytical laboratory business. During his early career, he spent several years as a laboratory analyst performing the analysis of soil, water, and air samples for inorganic and organic chemical parameters. During his last 20 years in the environmental laboratory business, he managed and directed two major analytical laboratories in Rochester, NY. His management responsibilities included oversight of the daily operations of the lab, staff training and supervision, the selection, purchase, and maintenance of analytical instruments, the introduction of new laboratory methods, analytical quality assurance and quality control, data acquisition and management, and other business-related activities.

Mr. Perry has an extensive working knowledge of the methods and procedures used for sampling and analyzing both inorganic and organic analytes in soil, water, and air. He is an accomplished laboratory chemist and is familiar with the analytical methods and procedures established under the USEPA Contract Laboratory Protocols (CLP), the NYSDEC Analytical Services Protocols (ASP), and the NYSDOH Environmental Laboratory Approval Program (ELAP).

KENNETH R. APPLIN
Geochemist/Data Validator

Ph.D., Geochemistry and Mineralogy, The Pennsylvania State University

M.S., Geochemistry and Mineralogy, The Pennsylvania State University

B.A., Geological Sciences, SUNY at Geneseo, NY

Dr. Applin has over 35 years of experience working with the geochemistry of natural waters. His prior experience includes working as an Assistant Professor of Geology at the University of Missouri-Columbia and as Chief Hydrogeologist and Geochemist with a leading engineering firm in Rochester, NY. In 1993, he established KR Applin and Associates, a small consulting business that focuses on the geochemistry of natural waters, especially as applied to problems involving the contamination of groundwater and surface water.

Dr. Applin is also an experienced analytical data validator and has provided data validation services since 1994 to a variety of clients performing brownfield cleanup projects, hazardous waste remediation, groundwater monitoring at solid waste facilities, and other projects requiring third-party data validation. Dr. Applin has several years of hands-on experience with the laboratory analysis of natural waters and has successfully completed the USEPA Region II certification courses for performing inorganic and organic analytical data validation.

DATA USABILITY SUMMARY REPORT (DUSR)

**Former G & C Services
255 East 138th Street
Block 2333, Lot 1
Bronx, Bronx County, NY
NYSDEC BCP # C203057**

SDG: 1501955
1 Soil Sample

Prepared for:

**Brinkerhoff Environmental Services, Inc.
1805 Atlantic Avenue
Manasquan, NJ 08736**

December 2015



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REVIEWER'S NARRATIVE
SDG 1501955

The data associated with this Sample Delivery Group (SDG) 1501955, analyzed by Accredited Analytical Resources, LLC. Carteret, NJ have been reviewed in accordance with assessment criteria provided by the New York State Department of Environmental Conservation following the review procedures provided in the USEPA Functional Guidelines for evaluating organic and inorganic data.

All analytical results reported by the laboratory are considered valid and acceptable except results that have been qualified as rejected, "R". Results qualified as estimated "J", or as non-detects, "U", are considered usable for the purpose of evaluating water and/or soil quality. However, these qualifiers indicate that the accuracy and/or precision of the analytical result is questionable. A summary of all data that have been qualified and the reasons for qualification are provided in the following data usability summary report (DUSR).

Two facts should be noted by all data users. First, the "R" qualifier means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the analyte is present or not. Values qualified with an "R" should not appear on the final data tables because they cannot be relied upon, even as the last resort. Second, no analyte concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error.

Reviewer's Signature: _____


Michael K. Perry
Chemist

Date: _____

12/12/15

1.0 SUMMARY

SITE: 255 East 138th Street.
Bronx , NY

SAMPLING DATE: October 28, 2015

SAMPLE TYPE: 1 soil sample

LABORATORY: Accredited Analytical Resources, LLC.
Carteret, NJ

SDG No.: 1501955

2.0 INTRODUCTION

This data usability summary report (DUSR) was prepared in accordance with guidance provided by the New York State Department of Environmental Conservation (NYSDEC). The DUSR is based on a review and evaluation of the laboratory analytical data package. Specifically, the NYSDEC guidance recommends review and evaluation of the following elements of the data package:

- Completeness of the data package as defined under the requirements of the NYSDEC Analytical Services Protocols (ASP) Category B or the United States Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) deliverables,
- Compliance with established analyte holding times,
- Adherence to quality control (QC) limits and specifications for blanks, instrument tuning and calibration, surrogate recoveries, spike recoveries, laboratory duplicate analyses, and other QC criteria,
- Adherence to established analytical protocols,
- Conformance of data summary sheets with raw analytical data, and
- Use of correct data qualifiers.

Data deficiencies, analytical protocol deviations, and quality control problems identified using the review criteria above and their effect on the analytical results are discussed in this report.

3.0 SAMPLE AND ANALYSIS SUMMARY

The data package consists of analytical results for one soil sample collected on October 28, 2015. This sample was analyzed for volatile organic compounds, semi-volatile organic compounds, pesticides, polychlorinated biphenyls (PCBs), TAL metals, and total cyanide.

All laboratory analyses were performed by Accredited Analytical Resources, LLC., Carteret, NJ and analyzed as SDG 1501955. The analytical results were provided in NYSDEC ASP Category B format, which includes all raw analytical data and laboratory QC data.

4.0 GUIDANCE DOCUMENTS AND DATA REVIEW CRITERIA

The guidance documents used for reviewing laboratory quality control (QC) data and assigning data qualifiers (flags) to analytical results are listed in Table 4-1. The QC limits established in the documents applicable to this data review were used to assess the quality of the analytical results. In some cases, however, QC limits established internally by the laboratory were taken into account to determine data quality.

The QC criteria considered for assessing the usability of the reported analytical results provided for each analyte type (i.e. VOCs, SVOCs, metals, etc.) are listed in Table 4-2. These criteria may vary with the analytical method utilized by the laboratory. These criteria comply with the guidance recommended in Section 2.0 above.

5.0 DATA VALIDATION QUALIFIERS

The letter qualifiers (flags) used to define data usability are described briefly below. These letters are assigned by the data validator to analytical results having questionable accuracy and/or precision as determined by reviewing the laboratory QC data associated with the analytical results.

TABLE 4-1**DATA VALIDATION GUIDANCE DOCUMENTS**

Analyte Type	Validation Guidance
VOCs	USEPA, 2008, Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry; SW-846 Method 8260B; SOP # HW-24, Rev. 2. USEPA, 2008, Statement of Work for Organic Analysis of Low/Medium Concentration of Volatile Organic Compounds SOM01.2; SOP HW-33, Rev. 2.
SVOCs	USEPA, 2007, Statement of Work for Organic Analysis of Low/Medium Concentration of Semivolatile Organic Compounds SOM01.2; SOP HW-35, Rev. 1.
Pesticides/PCBs	USEPA, 2006, CLP Organics Data Review and Preliminary Review (CLP/SOW OLMO 4.3); SOP # HW-6, Rev. 14, Part C.
Metals	USEPA, 2006, Validation of Metals for the Contract Laboratory Program (CLP) based on SOW ILMO 5.3 (SOP Revision 13), SOP # HW-2, Rev. 13.
Gen Chemistry	NYSDEC, 2005, Analytical Services Protocols (ASP)
VOCs (Ambient air)	USEPA, 2006, Validating Air Samples, Volatile Organic Analysis of Ambient Air in Canister by Method TO-15; SOP # HW-31, Rev. 4.

TABLE 4-2

**QUALITY CONTROL CRITERIA USED FOR VALIDATING
LABORATORY ANALYTICAL DATA**

VOCs	SVOCs	Pesticides/PCBs	Metals	Gen Chemistry	Method TO-15
Completeness of Pkg Sample Condition Holding Time System Monitoring Compounds Lab Control Sample Matrix Spikes Blanks Instrument Tuning Internal Standards Initial Calibration Continuing Calibration Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Time Surrogate Recoveries Lab Control Sample Matrix Spikes Blanks Instrument Tuning Internal Standards Initial Calibration Continuing Calibration Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Time Surrogate Recoveries Matrix Spikes Blanks Instrument Calibration & Verification Analyte ID Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Time Initial/Continuing Calibration CRDL Standards Blanks Interference Check Sample Spike Recoveries Lab Duplicate Lab Control Sample ICP Serial Dilutions Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Times Calibration Lab Control Samples Blanks Spike Recoveries Lab Duplicates	Completeness of Pkg Sample Condition Holding Time Canister Certification Lab Control Sample Instrument Tuning Blanks Initial Calibration & System Performance Daily Calibration Field Duplicate

The laboratory may also use various letters and symbols to flag analytical results generated when QC limits were exceeded. The meanings of these flags may differ from those used by the independent data validator. Those used by the laboratory are provided with the analytical results.

NOTE: The assignment of data qualifiers by the data reviewer (validator) to laboratory analytical results should not necessarily be interpreted by the data user as a measure of laboratory ability or proficiency. Rather, the qualifiers are intended to provide a measure of data accuracy and precision to the data user, which, for example, may provide a level of confidence in determining whether or not standards or cleanup objectives have been met.

- U** The analyte was analyzed for but was not detected at or above the sample quantitation limit.
- J** The analyte was positively identified; the associated numerical value is the *approximate* concentration of the analyte in the sample. (The magnitude of any \pm value associated with the result is not determined by data validation).
- UJ** The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is *approximate* and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R** The sample result is rejected (i.e., is unusable) due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
- N** The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
- JN** The analyte is considered to be "presumptively present." The associated numerical value represents its *approximate* concentration.

The validated analytical results are attached to this report. Validation qualifiers (flags) are indicated using red ink. Data sheets having qualified data are signed and dated by the data reviewer.

6.0 RESULTS OF THE DATA REVIEW

The results of the data review are summarized in Tables 6-1 through 6-6. The tables list the samples where QC criteria were found to exceed acceptable limits and the actions taken to qualify the associated analytical results.

7.0 TOTAL USABLE DATA

For SDG 1501955, one sample was analyzed and results were reported for 188 analytes. Even though some results were flagged with a "J" as estimated, all results (100 %) are considered usable. See the summary table for the analyses that are estimated and the associated QC reasons.

Table 6-1 VOCs

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
EP-11(1501955-01)	Several compounds	none	MS/MSD recoveries outside QC limit	Matrix interference suspected/LCS within QC limits
EP-11(1501955-01)	Acetone Methylene Chloride	B	Method Blank contamination	Sample results up to 10X blank level have been flagged with a "B". Common lab contaminants.
EP-11(1501955-01)	Isopropylbenzene 1,1,2,2-Tetrachloroethane 1,2,3-Trichloropropane n-Propylbenzene Bromobenzene 1,3,5-Trimethylbenzene 2-Chlorotoluene 4-Chlorotoluene tert-Butylbenzene 1,2,4-Trimethylbenzene sec-Butylbenzene p-Isopropylbenzene 1,2,4-Trichlorobenzene 1,2-Dibromo-3-chloropropane 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene Naphthalene n-Butylbenzene Hexachlorobutadiene	J detects/UI non-detects	IS# 4 <50 % QC limit	Results are estimated.

Table 6-2 SVOCs

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
EP-11(1501955-01)	Several compounds	none	MS/MSD < QC limit	Matrix interference suspected/LCS within QC limits
EP-11(1501955-01)	4-Chloroaniline	"UJ"	LCS < QC limit	All samples non-detect
EP-11(1501955-01)	2,4-Dinitrophenol	J detects	ICV > 40 %	All samples non-detect
EP-11(1501955-01)	2,4-Dinitrophenol	J detects	CCV > 40 %	All samples non-detect

Table 6-3 Pesticides

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

Table 6-4 PCBs

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

Table 6-5 TAL Metals

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
EP-11(1501955-01)	Potassium	J detects	% Recovery > QC limit	Results are estimated.
EP-11(1501955-01)	Manganese	J detects/UJ non-detects	% Recovery < QC limit	Results are estimated.
EP-11(1501955-01)	Zinc	J detects	Serial dilution > 10%	Results are estimated.

Table 6-6 Total Cyanide

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

ACRONYMS

CCAL	Continuing Calibration
CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification
CRDL	Contract Required Detection Limit
CRQL	Contract Required Quantitation Limit
%D	Percent Difference
ICAL	Initial Calibration
ICB	Initial Calibration Blank
IS	Internal Standard
LCS	Laboratory Control Sample
MS/MSD	Matrix Spike/Matrix Spike Duplicate
QA	Quality Assurance
QC	Quality Control
%R	Percent recovery
RPD	Relative Percent Difference
%RSD	Percent Relative Standard Deviation
TAL	Target Analyte List (metals)
TCL	Target Compound List (organics)

Appendix A

*Validated
Analytical
Results*



Accredited Analytical Resources, LLC.

12 November 2015

AAR Work Order: 1501955

Doug Harm
BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan, NJ 08736
Project: 138th Street, Bronx, NY; 10BR188

Enclosed are the results of analyses for samples received by the laboratory on 10/29/2015 15:40. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Daniel Miguel
Technical Director

New Jersey Certification Number: 12007
New York Certification Number: 11109
Pennsylvania Certification Number: 68-02799

This report shall not be reproduced, except in its entirety, without the written consent of Accredited Analytical Resources, LLC.
The test results included in this report relate only to the samples analyzed.



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/12/2015 09:12

Analytical Report for Samples

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EP-11	1501955-01	Soil	10/28/2015 11:20	10/29/2015 15:40

Notes and Definitions

- U Analyte included in the analysis, but not detected
- J Indicates estimated value for TICs and all results when detected below the RL
- D Data reported from a dilution
- B Indicates compound found in associated blank
- ND Indicates compound analyzed for but not detected
- U Indicates compound analyzed for but not detected
- dry Sample results reported on a dry weight basis
- RL Reporting Limit
- MDL Method Detection Limit

Accredited Analytical Resources LLC

Daniel Miguel, Technical Director

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.



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/12/2015 09:12

Methodology Summary

EPA Method SW846 8081/8082:

NJ 8081A/8082
NY 8081B/8082A

Semivolatile Organic Compounds EPA Method SW846 8270:

NJ 8270C
NY 8270D

Total Mercury by SW846 7471:

NJ EPA 7471A
NY EPA 7471B

Total Metals by EPA Method SW846 6010:

NJ 6010B
NY 6010C

Volatile Organic Compounds EPA Method SW846 8260:

NJ 8260B
NY 8260C

Wet Chemistry:

Total Cyanide by EPA 9010C & EPA 9014
Percent Solids by SM 2540 G

Accredited Analytical Resources LLC

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.

Daniel Miguel, Technical Director



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/12/2015 09:12

Condition of Samples on Receipt

Temperature °C	4.00
Chain of Custody Filled Out Properly	Yes
Proper Containers and Volumes	Yes
Received Within Holding Time	Yes
Samples Received with Correct Preservation	Yes
Samples Received On Ice	Yes
Sample Received Via Field Services	Yes
Samples Hand Delivered	No

Accredited Analytical Resources LLC

Daniel Miguel, Technical Director

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.



Accredited Analytical Resources, LLC.

20 PERSHING AVE, CARTERET, NJ 07008
 Tel. 732-969-6112 FAX 732-541-1383
 WEB: WWW.ACCREDITEDANALYTICAL.COM

CHAIN OF CUSTODY FORM

CLIENT NAME: **Brinkerhoff Environmental Services**
 ADDRESS: **1805 Atlantic Avenue**
 CITY: **Manasquan**
 STATE: **NJ** ZIP: **08736**

STATE AGENCY (CIRCLE ONE): NJ **(NY)** PA
 PROJECT NAME: **138th Street, Bronx, NY; 10BR188**
 CONTACT: **Doug Harm**
 OFFICE PHONE #: **732-223-2225**
 OFFICE FAX #: **732-223-3666**
 INITIAL RESULTS TO: **Doug Harm**
 EMAIL FOR INVOICE: **dharm@brink.env**

AAR QUOTE #
 AAR WORK ORDER # **1501955**
 P.O. #

ANALYSIS

COLLECTION INFORMATION

CUSTOMER SAMPLE # / ID	DATE / TIME SAMPLED	MATRIX CODE	DEPTH	# OF CONTAINERS	GRAB (G)	COMP (C)	PRESERVATION / ANALYSIS						AAR SAMPLE #
EP-11	10/28/15 / 11:20	S		4	6		TAL FULL TCL FULL						- 01

MATRIX CODES: S = SOIL A = AQUEOUS GW = GROUND WATER WW = WASTE WATER SW = SURFACE WATER P = POTABLE WATER O = OIL K = SOLID X = OTHER

CONTAINER TYPE CODES: G = GLASS P = PLASTIC E = ENCORE PRESERVATIVES CODES: 1 = HCL 2 = HNO3 3 = H2SO4 4 = NaOH 5 = OTHER

TURNAROUND TIME: (CIRCLE ONE) **STANDARD** 5 DAY 72 HRS. 48 HRS. 24 HRS. OTHER
 (IF BLANK STANDARD WILL APPLY)

REPORT TYPE: RESULTS ONLY _____ REDUCED _____ FULL **X** EDD _____ EXCEL SPREADSHEET _____

COMMENTS: **Send invoice to Brinkerhoff; NYS DEC Category B data deliverable**
 COOLER TEMP: **4°C**

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: **Monica Norton** SIGN: **Monica Norton**

SIGN BELOW WHEN DELIVERING SAMPLES, EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY, CUSTODY MUST BE DOCUMENTED.

RELINQUISHED BY: Print Name: Monica Norton Signature: <i>Monica Norton</i> Agent of: Date Received: 10/29/15 Time: 12:45	RECEIVED BY: Print Name: John Jones Signature: <i>John Jones</i> Agent of: AAR	RELINQUISHED BY: Print Name: John Jones Signature: <i>John Jones</i> Agent of: AAR	RECEIVED BY: Print Name: K. MUNIZ Signature: <i>K. Muniz</i> Agent of: AAR Date Received: 10/29/15 Time: 1540
RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Print Name:	Print Name:	Print Name:	Print Name:
Signature:	Signature:	Signature:	Signature:
Agent of:	Agent of:	Agent of:	Agent of:
Date Received:	Date Received:	Date Received:	Date Received:
Time:	Time:	Time:	Time:



Case Narrative

Conformance / Non-Conformance Summary

Accredited Analytical Resources, LLC received 1 sample(s) from BRINKERHOFF ENVIRONMENTAL (Project: 138th Street, Bronx, NY; 10BR188) on 10/29/2015 3:40:00 PM.

All analyses were performed within the required holding time.

In the Volatile Organic analyses, B5K0314-MS1/MSD1 and B5K0509-MS1/MSD1 had compounds recovered outside acceptance criteria due to matrix interference, the LCS's were recovered within acceptance limits for all compounds; therefore, no further action required.

In the Volatile Organic analyses, the methylene chloride result reported is due to laboratory contamination.

In the BNA analyses, the laboratory control sample (LCS) and/or laboratory control sample duplicate (LCSD) for Batch B5J3001 recovered outside control limits for certain analytes. These analytes were outside DKQP limits, but within the house limits; therefore, the data has been reported.

In the BNA analyses, the MS/MSD for Batch B5J3001 had compounds recovered outside acceptance criteria due to matrix interference, the LCS was recovered within acceptance limits; therefore, no further action required.

In the Metals analysis the recoveries of the MS/MSD were outside of acceptance criteria. The QC sample had concentrations too high to be able to determine a spike recovery. The LCS was within acceptance criteria for those metals out in the MS/MSD. The results are included in this data package.

Except for the parameters tested AAR makes no representation as to the fitness or quality of the sample (s) taken.

"The laboratory has reviewed the quality assurance and quality control measurements for the sample analyses.

Daniel Miguel
Technical Director



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/12/2015 09:12

Client ID: EP-11

Lab ID: 1501955-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

Sample Prepared by Method: EPA 5035A

107-02-8	Acrolein	ND	12.0	20.0	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
107-13-1	Acrylonitrile	ND	4.00	20.0	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
67-64-1	Acetone	15.5 B	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	B
75-71-8	Dichlorodifluoromethane	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
74-87-3	Chloromethane	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
75-01-4	Vinyl chloride	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
74-83-9	Bromomethane	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
75-00-3	Chloroethane	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
75-69-4	Trichlorofluoromethane	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
75-35-4	1,1-Dichloroethene	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
75-15-0	Carbon disulfide	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
75-09-2	Methylene Chloride	36.5 B	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	B
156-60-5	trans-1,2-Dichloroethene	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
75-34-3	1,1-Dichloroethane	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
108-05-4	Vinyl acetate	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
590-20-7	2,2-Dichloropropane	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
78-93-3	2-Butanone	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
156-59-4	cis-1,2-Dichloroethene	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
67-66-3	Chloroform	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
74-97-5	Bromochloromethane	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
71-55-6	1,1,1-Trichloroethane	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
563-58-6	1,1-Dichloropropene	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
56-23-5	Carbon Tetrachloride	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
107-06-2	1,2-Dichloroethane	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
71-43-2	Benzene	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
79-01-6	Trichloroethene	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
78-87-5	1,2-Dichloropropane	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U

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Daniel Miguel, Technical Director

MHP 12/11/15



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/12/2015 09:12

Client ID: EP-11

Lab ID: 1501955-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

75-27-4	Bromodichloromethane	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
74-95-3	Dibromomethane	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
110-75-8	2-Chloroethyl vinyl ether	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
10061-01-5	cis-1,3-Dichloropropene	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
108-88-3	Toluene	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
10061-02-6	trans-1,3-Dichloropropene	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
79-00-5	1,1,2-Trichloroethane	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
108-10-1	4-Methyl-2-pentanone	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
106-93-4	1,2-Dibromoethane	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
591-78-6	2-Hexanone	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
142-28-9	1,3-Dichloropropane	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
127-18-4	Tetrachloroethene	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
124-48-1	Dibromochloromethane	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
100-41-4	Ethylbenzene	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
108-90-7	Chlorobenzene	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
108-38-3/106-4	m,p-Xylenes	ND	4.00	8.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
95-47-6	o-Xylene	ND	4.00	8.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
100-42-5	Styrene	ND	2.00	8.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
75-25-2	Bromoform	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
98-82-8	Isopropylbenzene	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
96-18-4	1,2,3-Trichloropropane	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
103-65-1	n-Propyl Benzene	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
108-86-1	Bromobenzene	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
95-49-8	2-Chlorotoluene	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
106-43-4	4-Chlorotoluene	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
98-06-6	tert-Butylbenzene	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U

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Daniel Miguel, Technical Director

mmp 12/11/15



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/12/2015 09:12

Client ID: EP-11
Lab ID: 1501955-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

95-63-6	1,2,4-Trimethylbenzene	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
135-98-8	sec-Butylbenzene	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
99-87-6	p-Isopropyltoluene	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
541-73-1	1,3-Dichlorobenzene	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
106-46-7	1,4-Dichlorobenzene	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
104-51-8	n-Butyl Benzene	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
95-50-1	1,2-Dichlorobenzene	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
87-68-3	Hexachlorobutadiene	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U

Surrogate: 1,2-Dichloroethane-d4

113 % 70-130

11/05/15 15:04

11/05/15 15:04/SG

EPA 8260

Surrogate: Toluene-d8

92 % 70-130

11/05/15 15:04

11/05/15 15:04/SG

EPA 8260

Surrogate: Bromofluorobenzene

75 % 70-130

11/05/15 15:04

11/05/15 15:04/SG

EPA 8260

Semivolatile Organic Compounds EPA Method SW846 8270

Sample Prepared by Method: EPA 3550B GCMS

62-75-9	N-Nitrosodimethylamine	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
108-95-2	Phenol	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
111-44-4	bis(2-chloroethyl)ether	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
95-57-8	2-Chlorophenol	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
541-73-1	1,3-Dichlorobenzene	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
106-46-7	1,4-Dichlorobenzene	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
100-51-6	Benzyl alcohol	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
95-50-1	1,2-Dichlorobenzene	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
95-48-7	2-Methylphenol	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
106-44-5	3 & 4-Methylphenol	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
621-64-7	N-Nitroso-di-n-propylamine	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U

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MMP 12/11/15



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/12/2015 09:12

Client ID: EP-11
Lab ID: 1501955-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

67-72-1	Hexachloroethane	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
98-95-3	Nitrobenzene	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
78-59-1	Isophorone	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
88-75-5	2-Nitrophenol	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
105-67-9	2,4-Dimethylphenol	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
65-85-0	Benzoic acid	ND	166	666	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
111-91-1	bis(2-chloroethoxy)methane	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
120-83-2	2,4-Dichlorophenol	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
120-82-1	1,2,4-Trichlorobenzene	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
91-20-3	Naphthalene	199	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	J
106-47-8	4-Chloroaniline	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
87-68-3	Hexachlorobutadiene	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
59-50-7	4-Chloro-3-methylphenol	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
91-57-6	2-Methylnaphthylene	72.7	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	J
77-47-4	Hexachlorocyclopentadiene	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
88-06-2	2,4,6-Trichlorophenol	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
95-95-4	2,4,5-Trichlorophenol	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
91-58-7	2-Chloronaphthalene	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
88-74-4	2-Nitroaniline	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
131-11-3	Dimethylphthalate	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
208-96-8	Acenaphthylene	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
99-09-2	3-Nitroaniline	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
83-32-9	Acenaphthene	141	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	J
51-28-5	2,4-Dinitrophenol	ND	66.6	666	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
100-02-7	4-Nitrophenol	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
132-64-9	Dibenzofuran	86.7	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	J
606-20-2	2,6-Dinitrotoluene	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
121-14-2	2,4-Dinitrotoluene	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U

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Daniel Miguel, Technical Director

mmp 12/11/15



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/12/2015 09:12

Client ID: EP-11

Lab ID: 1501955-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

84-66-2	Diethyl phthalate	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
7005-72-3	4-Chlorophenyl-phenylether	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
86-73-7	Fluorene	109	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	J
100-01-6	4-Nitroaniline	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
86-30-6	N-Nitrosodiphenylamine	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
101-55-3	4-Bromophenyl-phenylether	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
118-74-1	Hexachlorobenzene	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
87-86-5	Pentachlorophenol	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
85-01-8	Phenanthrene	297	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	J
120-12-7	Anthracene	72.0	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	J
84-74-2	Di-n-butyl phthalate	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
206-44-0	Fluoranthene	167	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	J
129-00-0	Pyrene	177	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	J
85-68-7	Butylbenzylphthalate	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
91-94-1	3,3'-Dichlorobenzidine	ND	166	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
56-55-3	Benzo[a]anthracene	85.3	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	J
117-81-7	bis(2-ethylhexyl)phthalate	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
218-01-9	Chrysene	103	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	J
117-84-0	Di-n-octyl phthalate	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
205-99-2	Benzo[b]fluoranthene	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
207-08-9	Benzo[k]fluoranthene	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
50-32-8	Benzo[a]pyrene	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
53-70-3	Dibenzo(a,h)anthracene	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
191-24-2	Benzo[ghi]perylene	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U

Surrogate: 2-Fluorophenol

41 % 30-130 10/30/15 06:08 10/30/15 20:39/JMM EPA 8270

Surrogate: Phenol-d5

42 % 30-130 10/30/15 06:08 10/30/15 20:39/JMM EPA 8270

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Daniel Miguel, Technical Director



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Haru

Reported:
11/12/2015 09:12

Client ID: EP-11

Lab ID: 1501955-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Semivolatile Organic Compounds EPA Method SW846 8270

Surrogate: Nitrobenzene-d5		36 %		30-130			10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	
Surrogate: 2-Fluorobiphenyl		38 %		30-130			10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	
Surrogate: 2,4,6-Tribromophenol		46 %		30-130			10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	
Surrogate: Terphenyl-d14		42 %		30-130			10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	

EPA Method SW846 8081/8082

Sample Prepared by Method: EPA 3550B

319-84-6	alpha-BHC	ND	1.32	1.32	ug/kg dry	1	11/04/15 09:45	11/04/15 18:51/JAM	EPA 8081/8082	U
319-85-7	beta-BHC	ND	1.32	1.32	ug/kg dry	1	11/04/15 09:45	11/04/15 18:51/JAM	EPA 8081/8082	U
319-86-8	delta-BHC	ND	1.32	1.32	ug/kg dry	1	11/04/15 09:45	11/04/15 18:51/JAM	EPA 8081/8082	U
58-89-9	gamma-BHC [Lindane]	ND	1.32	1.32	ug/kg dry	1	11/04/15 09:45	11/04/15 18:51/JAM	EPA 8081/8082	U
76-44-8	Heptachlor	ND	1.32	1.32	ug/kg dry	1	11/04/15 09:45	11/04/15 18:51/JAM	EPA 8081/8082	U
309-00-2	Aldrin	ND	1.32	1.32	ug/kg dry	1	11/04/15 09:45	11/04/15 18:51/JAM	EPA 8081/8082	U
1024-57-3	Heptachlor Epoxide	ND	1.32	1.32	ug/kg dry	1	11/04/15 09:45	11/04/15 18:51/JAM	EPA 8081/8082	U
959-98-8	Endosulfan I	ND	1.32	1.32	ug/kg dry	1	11/04/15 09:45	11/04/15 18:51/JAM	EPA 8081/8082	U
60-57-1	Dieldrin	ND	2.66	2.66	ug/kg dry	1	11/04/15 09:45	11/04/15 18:51/JAM	EPA 8081/8082	U
72-55-9	4,4'-DDE	ND	2.66	2.66	ug/kg dry	1	11/04/15 09:45	11/04/15 18:51/JAM	EPA 8081/8082	U
72-20-8	Endrin	ND	2.66	2.66	ug/kg dry	1	11/04/15 09:45	11/04/15 18:51/JAM	EPA 8081/8082	U
33213-65-9	Endosulfan II	ND	2.66	2.66	ug/kg dry	1	11/04/15 09:45	11/04/15 18:51/JAM	EPA 8081/8082	U
72-54-8	4,4'-DDD	ND	2.66	2.66	ug/kg dry	1	11/04/15 09:45	11/04/15 18:51/JAM	EPA 8081/8082	U
1031-07-8	Endosulfan sulfate	ND	2.66	2.66	ug/kg dry	1	11/04/15 09:45	11/04/15 18:51/JAM	EPA 8081/8082	U
50-29-3	4,4'-DDT	ND	2.66	2.66	ug/kg dry	1	11/04/15 09:45	11/04/15 18:51/JAM	EPA 8081/8082	U
72-43-5	Methoxychlor	ND	13.3	13.3	ug/kg dry	1	11/04/15 09:45	11/04/15 18:51/JAM	EPA 8081/8082	U
53494-70-5	Endrin ketone	ND	2.66	2.66	ug/kg dry	1	11/04/15 09:45	11/04/15 18:51/JAM	EPA 8081/8082	U
7421-93-4	Endrin aldehyde	ND	2.66	2.66	ug/kg dry	1	11/04/15 09:45	11/04/15 18:51/JAM	EPA 8081/8082	U
5103-71-9	alpha-Chlordane	ND	1.32	1.32	ug/kg dry	1	11/04/15 09:45	11/04/15 18:51/JAM	EPA 8081/8082	U
5566-34-7	gamma-Chlordane	ND	1.32	1.32	ug/kg dry	1	11/04/15 09:45	11/04/15 18:51/JAM	EPA 8081/8082	U
8001-35-2	Toxaphene	ND	66.6	66.6	ug/kg dry	1	11/04/15 09:45	11/04/15 18:51/JAM	EPA 8081/8082	U
12674-11-2	Aroclor-1016	ND	33.2	66.6	ug/kg dry	1	11/04/15 09:45	11/04/15 18:51/JAM	EPA 8081/8082	U

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Daniel Miguel, Technical Director



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/12/2015 09:12

Client ID: EP-11

Lab ID: 1501955-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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EPA Method SW846 8081/8082

11104-28-2	Aroclor-1221	ND	33.2	66.6	ug/kg dry	1	11/04/15 09:45	11/04/15 18:51/JAM	EPA 8081/8082	U
11141-16-5	Aroclor-1232	ND	33.2	66.6	ug/kg dry	1	11/04/15 09:45	11/04/15 18:51/JAM	EPA 8081/8082	U
53469-21-9	Aroclor-1242	ND	33.2	66.6	ug/kg dry	1	11/04/15 09:45	11/04/15 18:51/JAM	EPA 8081/8082	U
12672-29-6	Aroclor-1248	ND	33.2	66.6	ug/kg dry	1	11/04/15 09:45	11/04/15 18:51/JAM	EPA 8081/8082	U
11097-69-1	Aroclor-1254	ND	33.2	66.6	ug/kg dry	1	11/04/15 09:45	11/04/15 18:51/JAM	EPA 8081/8082	U
11096-82-5	Aroclor-1260	ND	33.2	66.6	ug/kg dry	1	11/04/15 09:45	11/04/15 18:51/JAM	EPA 8081/8082	U
37324-23-5	Aroclor-1262	ND	33.2	66.6	ug/kg dry	1	11/04/15 09:45	11/04/15 18:51/JAM	EPA 8081/8082	U
11100-14-4	Aroclor-1268	ND	33.2	66.6	ug/kg dry	1	11/04/15 09:45	11/04/15 18:51/JAM	EPA 8081/8082	U
Surrogate: Tetrachloro-m-xylene				83.6 %	30-150		11/04/15 09:45	11/04/15 18:51/JAM	EPA 8081/8082	
Surrogate: Tetrachloro-m-xylene				80.3 %	30-150		11/04/15 09:45	11/04/15 18:51/JAM	EPA 8081/8082	
Surrogate: Decachlorobiphenyl				86.1 %	30-150		11/04/15 09:45	11/04/15 18:51/JAM	EPA 8081/8082	
Surrogate: Decachlorobiphenyl				88.6 %	30-150		11/04/15 09:45	11/04/15 18:51/JAM	EPA 8081/8082	

Total Metals by EPA Method SW846 6010

Sample Prepared by Method: EPA 3050B

7429-90-5	Aluminum	8180	40.0	40.0	mg/kg dry	1	10/30/15 08:41	10/30/15 14:07/LIT	EPA 6010	
7440-36-0	Antimony	ND	8.00	8.00	mg/kg dry	1	10/30/15 08:41	10/30/15 14:07/LIT	EPA 6010	U
7440-38-2	Arsenic	ND	2.00	2.00	mg/kg dry	1	10/30/15 08:41	10/30/15 14:07/LIT	EPA 6010	U
7440-39-3	Barium	57.1	40.0	40.0	mg/kg dry	1	10/30/15 08:41	10/30/15 14:07/LIT	EPA 6010	
7440-41-7	Beryllium	ND	1.00	1.00	mg/kg dry	1	10/30/15 08:41	10/30/15 14:07/LIT	EPA 6010	U
7440-43-9	Cadmium	ND	1.00	1.00	mg/kg dry	1	10/30/15 08:41	10/30/15 14:07/LIT	EPA 6010	U
7440-70-2	Calcium	8690	50.0	50.0	mg/kg dry	1	10/30/15 08:41	10/30/15 14:07/LIT	EPA 6010	
7440-47-3	Chromium	13.4	4.00	4.00	mg/kg dry	1	10/30/15 08:41	10/30/15 14:07/LIT	EPA 6010	
7440-48-4	Cobalt	ND	10.0	10.0	mg/kg dry	1	10/30/15 08:41	10/30/15 14:07/LIT	EPA 6010	U
7440-50-8	Copper	21.8	6.00	6.00	mg/kg dry	1	10/30/15 08:41	10/30/15 14:07/LIT	EPA 6010	
7439-89-6	Iron	13000	50.0	50.0	mg/kg dry	1	10/30/15 08:41	10/30/15 14:07/LIT	EPA 6010	
7439-92-1	Lead	98.0	2.00	2.00	mg/kg dry	1	10/30/15 08:41	10/30/15 14:07/LIT	EPA 6010	
7439-95-4	Magnesium	6420	100	100	mg/kg dry	1	10/30/15 08:41	10/30/15 14:07/LIT	EPA 6010	

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Daniel Miguel, Technical Director



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harra

Reported:
11/12/2015 09:12

Client ID: EP-11

Lab ID: 1501955-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Total Metals by EPA Method SW846 6010

7439-96-5	Manganese	158 J	4.00	4.00	mg/kg dry	1	10/30/15 08:41	10/30/15 14:07/LJT	EPA 6010	
7440-02-0	Nickel	14.2	3.00	3.00	mg/kg dry	1	10/30/15 08:41	10/30/15 14:07/LJT	EPA 6010	
7440-09-7	Potassium	1100 J	100	100	mg/kg dry	1	10/30/15 08:41	10/30/15 14:07/LJT	EPA 6010	
7782-49-2	Selenium	ND	3.00	3.00	mg/kg dry	1	10/30/15 08:41	10/30/15 14:07/LJT	EPA 6010	U
7440-22-4	Silver	ND	1.00	1.00	mg/kg dry	1	10/30/15 08:41	10/30/15 14:07/LJT	EPA 6010	U
7440-23-5	Sodium	557	100	100	mg/kg dry	1	10/30/15 08:41	10/30/15 14:07/LJT	EPA 6010	
7440-28-0	Thallium	ND	3.00	6.00	mg/kg dry	1	10/30/15 08:41	10/30/15 14:07/LJT	EPA 6010	U
7440-62-2	Vanadium	18.7	10.0	10.0	mg/kg dry	1	10/30/15 08:41	10/30/15 14:07/LJT	EPA 6010	
7440-66-6	Zinc	48.5 J	12.0	12.0	mg/kg dry	1	10/30/15 08:41	10/30/15 14:07/LJT	EPA 6010	

Total Mercury by SW846 7471

Sample Prepared by Method: EPA 7471A

7439-97-6	Mercury	ND	0.150	0.150	mg/kg dry	1	10/30/15 08:00	10/30/15 14:13/PRT	EPA 7471	
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Wet Chemistry

Sample Prepared by Method: EPA 9010C

NA	Cyanide (total)	ND	2.00	2.00	mg/kg dry	1	11/03/15 16:10	11/03/15 15:07/NNM	EPA 9014	
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Sample Prepared by Method: Percent Solids

NA	Percent Solids	50.0	0.100	0.100	%	1	10/30/15 15:15	11/02/15 10:42/CLD	SM 2540 G	
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Daniel Miguel, Technical Director

MPH 12/11/15

Appendix B

***Laboratory
QC
Documentation***



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Client: BRINKERHOFF ENVIRONMENTAL
Project: 138th Street, Bronx, NY; 10BR188
Work Order: 1501955

Matrix:	Solid	Analysis Method:	EPA 8270
Prep Batch:	B5J3001	Prep Method:	EPA 3550B GCMS
Percent Solids:	88.10	Laboratory ID:	B5J3001-MS1
		Client Sample ID:	1501921-01

ANALYTE	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC.	QC LIMITS REC.
Pyridine	1890	ND	1010	53	20 - 160
N-Nitrosodimethylamine	1890	ND	1020	54	20 - 160
Aniline	1890	ND	1390	73	20 - 160
Phenol	1890	ND	1380	73	20 - 160
bis(2-chloroethyl)ether	1890	ND	1320	70	70 - 130
2-Chlorophenol	1890	ND	1500	79	70 - 130
1,3-Dichlorobenzene	1890	ND	1400	74	70 - 130
1,4-Dichlorobenzene	1890	ND	1370	73	70 - 130
Benzyl alcohol	1890	ND	1330	71	20 - 160
1,2-Dichlorobenzene	1890	ND	1390	74	70 - 130
2-Methylphenol	1890	ND	1440	76	20 - 160
bis(2-chloroisopropyl)ether	1890	ND	1080	57	* 70 - 130
3 & 4-Methylphenol	1890	ND	1430	76	20 - 160
N-Nitroso-di-n-propylamine	1890	ND	1240	66	* 70 - 130
Hexachloroethane	1890	ND	1310	69	20 - 160
Nitrobenzene	1890	ND	1390	73	70 - 130
Isophorone	1890	ND	1210	64	* 70 - 130
2-Nitrophenol	1890	ND	1440	76	70 - 130
2,4-Dimethylphenol	1890	ND	1360	72	70 - 130
bis(2-chloroethoxy)methane	1890	ND	1260	67	* 70 - 130
2,4-Dichlorophenol	1890	ND	1430	76	70 - 130
1,2,4-Trichlorobenzene	1890	ND	1410	75	70 - 130
Naphthalene	1890	ND	1330	71	70 - 130
4-Chloroaniline	1890	ND	955	50	20 - 160
Hexachlorobutadiene	1890	ND	1240	66	* 70 - 130
4-Chloro-3-methylphenol	1890	ND	919	49	* 70 - 130
2-Methylnaphthylene	1890	53.0	1130	57	* 70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Client: BRINKERHOFF ENVIRONMENTAL
Project: 138th Street, Bronx, NY; 10BR188
Work Order: 1501955

Matrix:	Solid	Analysis Method:	EPA 8270
Prep Batch:	B5J3001	Prep Method:	EPA 3550B GCMS
Percent Solids:	88.10	Laboratory ID:	B5J3001-MS1
		Client Sample ID:	1501921-01

ANALYTE	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC.	QC LIMITS REC.
Hexachlorocyclopentadiene	1890	ND	574	30	20 - 160
2,4,6-Trichlorophenol	1890	ND	1460	77	70 - 130
2,4,5-Trichlorophenol	1890	ND	1500	79	70 - 130
2-Chloronaphthalene	1890	ND	1400	74	70 - 130
2-Nitroaniline	1890	ND	817	43	* 70 - 130
Dimethylphthalate	1890	ND	1350	71	70 - 130
Acenaphthylene	1890	77.6	1320	66	* 70 - 130
3-Nitroaniline	1890	ND	1170	62	* 70 - 130
Acenaphthene	1890	ND	1270	67	* 70 - 130
2,4-Dinitrophenol	1890	ND	774	41	20 - 160
4-Nitrophenol	1890	ND	1100	58	20 - 160
Dibenzofuran	1890	ND	1300	69	* 70 - 130
2,6-Dinitrotoluene	1890	ND	1260	67	* 70 - 130
2,4-Dinitrotoluene	1890	ND	1230	65	* 70 - 130
2,3,4,6-Tetrachlorophenol	1890	ND	1340	71	70 - 130
Diethyl phthalate	1890	ND	1460	77	70 - 130
4-Chlorophenyl-phenylether	1890	ND	1370	73	70 - 130
Fluorene	1890	ND	1400	74	70 - 130
4-Nitroaniline	1890	ND	1020	54	* 70 - 130
4,6-Dinitro-2-methylphenol	1890	ND	1130	60	* 70 - 130
Carbazole	1890	ND	1320	70	70 - 130
N-Nitrosodiphenylamine	1890	ND	1480	78	20 - 160
Azobenzene	1890	ND	1090	58	* 70 - 130
4-Bromophenyl-phenylether	1890	ND	1380	73	70 - 130
Hexachlorobenzene	1890	ND	1390	74	70 - 130
Pentachlorophenol	1890	ND	1210	64	20 - 160
Phenanthrene	1890	172	1420	66	* 70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Client: BRINKERHOFF ENVIRONMENTAL
Project: 138th Street, Bronx, NY; 10BR188
Work Order: 1501955

Matrix:	Solid	Analysis Method:	EPA 8270
Prep Batch:	B5J3001	Prep Method:	EPA 3550B GCMS
Percent Solids:	88.10	Laboratory ID:	B5J3001-MS1
		Client Sample ID:	1501921-01

ANALYTE	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC.		QC LIMITS REC.
Anthracene	1890	60.9	1400	71		70 - 130
Di-n-butyl phthalate	1890	ND	1190	63	*	70 - 130
Fluoranthene	1890	472	1560	58	*	70 - 130
Pyrene	1890	409	1320	48	*	70 - 130
Butylbenzylphthalate	1890	ND	1260	67	*	70 - 130
Benzo[a]anthracene	1890	272	1300	55	*	70 - 130
bis(2-ethylhexyl)phthalate	1890	ND	1310	69	*	70 - 130
Chrysene	1890	344	1560	64	*	70 - 130
Di-n-octyl phthalate	1890	ND	1130	60	*	70 - 130
Benzo[b]fluoranthene	1890	328	1520	63	*	70 - 130
Benzo[k]fluoranthene	1890	191	1400	64	*	70 - 130
Benzo[a]pyrene	1890	253	1340	58	*	70 - 130
Indeno(1,2,3-cd)pyrene	1890	138	1130	52	*	70 - 130
Dibenzo(a,h)anthracene	1890	50.3	1150	58	*	70 - 130
Benzo[ghi]perylene	1890	155	969	43	*	70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike Dup

Client: BRINKERHOFF ENVIRONMENTAL
 Project: 138th Street, Bronx, NY; 10BR188
 Work Order: 1501955

Matrix:	Solid	Analysis Method:	EPA 8270
Prep Batch:	B5J3001	Prep Method:	EPA 3550B GCMS
Percent Solids:	88.10	Laboratory ID:	B5J3001-MSD1
		Client Sample ID:	1501921-01

ANALYTE	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
Pyridine	1890	931	49	8	30	20 - 160
N-Nitrosodimethylamine	1890	1020	54	0.3	30	20 - 160
Aniline	1890	1260	67	9	30	20 - 160
Phenol	1890	1280	68	7	30	20 - 160
bis(2-chloroethyl)ether	1890	1230	65 *	7	30	70 - 130
2-Chlorophenol	1890	1390	73	8	30	70 - 130
1,3-Dichlorobenzene	1890	1340	71	4	30	70 - 130
1,4-Dichlorobenzene	1890	1320	70	4	30	70 - 130
Benzyl alcohol	1890	1310	69	2	30	20 - 160
1,2-Dichlorobenzene	1890	1300	68 *	7	30	70 - 130
2-Methylphenol	1890	1370	73	5	30	20 - 160
bis(2-chloroisopropyl)ether	1890	1090	58 *	0.5	30	70 - 130
3 & 4-Methylphenol	1890	1360	72	5	30	20 - 160
N-Nitroso-di-n-propylamine	1890	1220	65 *	2	30	70 - 130
Hexachloroethane	1890	1280	68	2	30	20 - 160
Nitrobenzene	1890	1240	65 *	11	30	70 - 130
Isophorone	1890	1130	60 *	7	30	70 - 130
2-Nitrophenol	1890	1340	71	7	30	70 - 130
2,4-Dimethylphenol	1890	1260	66 *	8	30	70 - 130
bis(2-chloroethoxy)methane	1890	1160	62 *	8	30	70 - 130
2,4-Dichlorophenol	1890	1290	68 *	11	30	70 - 130
1,2,4-Trichlorobenzene	1890	1290	68 *	9	30	70 - 130
Naphthalene	1890	1240	66 *	7	30	70 - 130
4-Chloroaniline	1890	567	30	51 *	30	20 - 160
Hexachlorobutadiene	1890	1190	63 *	5	30	70 - 130
4-Chloro-3-methylphenol	1890	958	51 *	4	30	70 - 130
2-Methylnaphthylene	1890	1060	53 *	6	30	70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike Dup

Client: BRINKERHOFF ENVIRONMENTAL
Project: 138th Street, Bronx, NY; 10BR188
Work Order: 1501955

Matrix:	Solid	Analysis Method:	EPA 8270
Prep Batch:	B5J3001	Prep Method:	EPA 3550B GCMS
Percent Solids:	88.10	Laboratory ID:	B5J3001-MSD1
		Client Sample ID:	1501921-01

ANALYTE	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
Hexachlorocyclopentadiene	1890	498	26	14	30	20 - 160
2,4,6-Trichlorophenol	1890	1480	78	1	30	70 - 130
2,4,5-Trichlorophenol	1890	1550	82	3	30	70 - 130
2-Chloronaphthalene	1890	1450	77	3	30	70 - 130
2-Nitroaniline	1890	853	45	4	30	70 - 130
Dimethylphthalate	1890	1290	68	5	30	70 - 130
Acenaphthylene	1890	1290	64	2	30	70 - 130
3-Nitroaniline	1890	986	52	17	30	70 - 130
Acenaphthene	1890	1290	68	1	30	70 - 130
2,4-Dinitrophenol	1890	646	34	18	30	20 - 160
4-Nitrophenol	1890	1170	62	6	30	20 - 160
Dibenzofuran	1890	1290	68	0.1	30	70 - 130
2,6-Dinitrotoluene	1890	1260	66	0.4	30	70 - 130
2,4-Dinitrotoluene	1890	1270	67	4	30	70 - 130
2,3,4,6-Tetrachlorophenol	1890	1330	71	0.1	30	70 - 130
Diethyl phthalate	1890	1330	71	9	30	70 - 130
4-Chlorophenyl-phenylether	1890	1270	67	8	30	70 - 130
Fluorene	1890	1310	69	7	30	70 - 130
4-Nitroaniline	1890	993	52	3	30	70 - 130
4,6-Dinitro-2-methylphenol	1890	1060	56	6	30	70 - 130
Carbazole	1890	1310	69	0.5	30	70 - 130
N-Nitrosodiphenylamine	1890	1440	76	3	30	20 - 160
Azobenzene	1890	1080	57	1	30	70 - 130
4-Bromophenyl-phenylether	1890	1280	68	7	30	70 - 130
Hexachlorobenzene	1890	1300	69	7	30	70 - 130
Pentachlorophenol	1890	1160	61	4	30	20 - 160
Phenanthrene	1890	1340	62	6	30	70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike Dup

Client: BRINKERHOFF ENVIRONMENTAL
 Project: 138th Street, Bronx, NY; 10BR188
 Work Order: 1501955

Matrix:	Solid	Analysis Method:	EPA 8270
Prep Batch:	B5J3001	Prep Method:	EPA 3550B GCMS
Percent Solids:	88.10	Laboratory ID:	B5J3001-MSD1
		Client Sample ID:	1501921-01

ANALYTE	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % REC. #	%	QC LIMITS	
					RPD	REC.
Anthracene	1890	1360	69 *	3	30	70 - 130
Di-n-butyl phthalate	1890	1150	61 *	4	30	70 - 130
Fluoranthene	1890	1450	52 *	7	30	70 - 130
Pyrene	1890	1250	44 *	5	30	70 - 130
Butylbenzylphthalate	1890	1210	64 *	4	30	70 - 130
Benzo[a]anthracene	1890	1210	49 *	8	30	70 - 130
bis(2-ethylhexyl)phthalate	1890	1260	66 *	4	30	70 - 130
Chrysene	1890	1480	60 *	5	30	70 - 130
Di-n-octyl phthalate	1890	1130	60 *	0.3	30	70 - 130
Benzo[b]fluoranthene	1890	1400	57 *	8	30	70 - 130
Benzo[k]fluoranthene	1890	1530	71	9	30	70 - 130
Benzo[a]pyrene	1890	1240	52 *	8	30	70 - 130
Indeno(1,2,3-cd)pyrene	1890	943	43 *	18	30	70 - 130
Dibenzo(a,h)anthracene	1890	1020	51 *	12	30	70 - 130
Benzo[ghi]perylene	1890	785	33 *	21	30	70 - 130

* Values outside of QC limits



LCS / LCS DUPLICATE RECOVERY

EPA 8270

Client: **BRINKERHOFF ENVIRONMENTAL**
 Project: **138th Street, Bronx, NY; 10BR188**
 Work Order: **1501955**

Matrix:	Solid	Prep Method:	EPA 3550B GCMS
Prep Batch:	B5J3001	Lab Sample ID:	B5J3001-BS1

ANALYTE	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC.	QC LIMITS REC.
Pyridine	1670	1390	83	20 - 160
N-Nitrosodimethylamine	1670	1460	87	20 - 160
Aniline	1670	1530	92	20 - 160
Phenol	1670	1500	90	20 - 160
bis(2-chloroethyl)ether	1670	1420	85	70 - 130
2-Chlorophenol	1670	1610	96	70 - 130
1,3-Dichlorobenzene	1670	1500	90	70 - 130
1,4-Dichlorobenzene	1670	1490	89	70 - 130
Benzyl alcohol	1670	1580	95	20 - 160
1,2-Dichlorobenzene	1670	1480	89	70 - 130
2-Methylphenol	1670	1540	92	20 - 160
bis(2-chloroisopropyl)ether	1670	1270	76	70 - 130
3 & 4-Methylphenol	1670	1590	95	20 - 160
N-Nitroso-di-n-propylamine	1670	1440	87	70 - 130
Hexachloroethane	1670	1560	94	20 - 160
Nitrobenzene	1670	1460	87	70 - 130
Isophorone	1670	1410	85	70 - 130
2-Nitrophenol	1670	1560	94	70 - 130
2,4-Dimethylphenol	1670	1420	85	70 - 130
bis(2-chloroethoxy)methane	1670	1400	84	70 - 130
2,4-Dichlorophenol	1670	1570	94	70 - 130
1,2,4-Trichlorobenzene	1670	1500	90	70 - 130
Naphthalene	1670	1420	85	70 - 130
4-Chloroaniline	1670	1020	61	70 - 130
Hexachlorobutadiene	1670	1420	85	70 - 130
4-Chloro-3-methylphenol	1670	1550	93	70 - 130
2-Methylnaphthylene	1670	1440	86	70 - 130
Hexachlorocyclopentadiene	1670	1400	84	20 - 160



INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8270

Client: **BRINKERHOFF ENVIRONMENTAL**
 Work Order: **1501955**
 Project: **138th Street, Bronx, NY; 10BR188**

Calibration: 15J2801	Instrument: GC/MS F
	Calibration Date: 10/14/2015 11:58:45AM

COMPOUND	Mean RF	RF RSD	LIMIT	Q
Naphthalene	1.046911	9.03924		
4-Chloroaniline	0.4698055	3.957397		
Hexachlorobutadiene	0.1760276	3.718634	CCC (20)	
Caprolactam	0.1626493	9.438644		
4-Chloro-3-methylphenol	0.3365877	3.635553	CCC (20)	
2-Methylnaphthylene	0.697018	10.32335		
1,2,4,5-Tetrachlorobenzene	0.7846604	3.175806		
Hexachlorocyclopentadiene	0.2698404	26.71039	SPCC (0.05)	
2,4,6-Trichlorophenol	0.4396401	4.809339	CCC (20)	
2,4,5-Trichlorophenol	0.4343777	8.465463		
2-Chloronaphthalene	1.273224	9.135137		
1,1-Biphenyl	1.901611	12.61078		
2-Nitroaniline	0.4465861	3.27539		
Dimethylphthalate	1.571915	10.43119		
Acenaphthylene	2.112104	11.76371		
3-Nitroaniline	0.4648623	4.743253		
Acenaphthene	1.258578	11.18945	CCC (20)	
2,4-Dinitrophenol	0.1670239	68.69134	SPCC (0.05)	
4-Nitrophenol	0.1289473	34.71536	SPCC (0.05)	
Dibenzofuran	1.850723	7.017351		
2,6-Dinitrotoluene	0.4220418	4.567939		
2,4-Dinitrotoluene	0.5799641	3.417658		
2,3,4,6-Tetrachlorophenol	0.3782584	6.204434		
Diethyl phthalate	1.650577	14.88571		
4-Chlorophenyl-phenylether	0.6605373	9.298071		



CONTINUING CALIBRATION VERIFICATION

EPA 8270

Client: **BRINKERHOFF ENVIRONMENTAL**
 Work Order: **1501955**
 Project: **138th Street, Bronx, NY; 10BR188**

Instrument ID: **GC/MS F**
 Lab File ID: **F12110.D**
 Sequence: **S5J3008**
 Lab Sample ID: **S5J3008-CCV1**

Calibration: **15J2801**
 Calibration Date: **10/14/15 11:58**
 Injection Date: **10/30/15**
 Injection Time: **13:44**

COMPOUND	TYPE	CONC. (mg/L)		RESPONSE FACTOR			% DIFF	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Pyridine	A	50.0	51.2	1.088112	1.113819		2.4	
N-Nitrosodimethylamine	A	50.0	55.5	0.821932	0.9129955		11.1	
Benzaldehyde	A	50.0	76.7	0.2537039	0.3890459		53.3	- Non-Target
Aniline	A	50.0	51.7	2.543239	2.630197		3.4	
Phenol	A	50.0	49.0	2.156667	2.11213		-2.1	20
bis(2-chloroethyl)ether	A	50.0	48.6	1.915634	1.859897		-2.9	
2-Chlorophenol	A	50.0	49.6	1.572737	1.561022		-0.7	
1,3-Dichlorobenzene	A	50.0	47.9	1.572627	1.507521		-4.1	
1,4-Dichlorobenzene	A	50.0	48.4	1.595532	1.546125		-3.1	20
Benzyl alcohol	A	50.0	51.8	1.29629	1.341898		3.5	
1,2-Dichlorobenzene	A	50.0	47.9	1.561313	1.497067		-4.1	
2-Methylphenol	A	50.0	50.4	1.49489	1.506167		0.8	
bis(2-chloroisopropyl)ether	A	50.0	45.9	2.771059	2.546142		-8.1	
Acetophenone	A	50.0	40.9	2.648969	2.167571		-18.2	
3 & 4-Methylphenol	A	50.0	51.3	1.541056	1.580244		2.5	
N-Nitroso-di-n-propylamine	A	50.0	48.8	1.335053	1.301948	0.05	-2.5	
Hexachloroethane	A	50.0	49.6	0.7020757	0.6964307		-0.8	
Nitrobenzene	A	50.0	47.2	0.4070011	0.3842465		-5.6	
Isophorone	A	50.0	47.5	0.9358429	0.8885616		-5.1	
2-Nitrophenol	A	50.0	50.3	0.2214226	0.2228792		0.7	20
2,4-Dimethylphenol	A	50.0	47.6	0.3680573	0.3505753		-4.7	
Benzoic acid	A	50.0	53.0	0.1586347	0.168168		6.0	
bis(2-chloroethoxy)methane	A	50.0	47.3	0.5429761	0.5134164		-5.4	



CONTINUING CALIBRATION VERIFICATION

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1501955
Project: 138th Street, Bronx, NY; 10BR188
Instrument ID: GC/MS F
Lab File ID: F12227.D
Sequence: SSK1307
Lab Sample ID: SSK1307-CCV1

Calibration: 15J2801
Calibration Date: 10/14/15 11:58
Injection Date: 11/13/15
Injection Time: 13:24

COMPOUND	TYPE	CONC. (mg/L)		RESPONSE FACTOR			% DIFF	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dichlorophenol	A	50.0	51.2	0.3034206	0.3108435		2.4	20
1,2,4-Trichlorobenzene	A	50.0	49.8	0.3152609	0.3142394		-0.3	
Naphthalene	A	50.0	48.6	1.046911	1.016873		-2.9	
4-Chloroaniline	A	50.0	52.5	0.4698055	0.4936886		5.1	
Hexachlorobutadiene	A	50.0	47.6	0.1760276	0.1674627		-4.9	20
Caprolactam	A	50.0	47.2	0.1626493	0.1536029		-5.6	
4-Chloro-3-methylphenol	A	50.0	50.0	0.3365877	0.3367817		0.06	20
2-Methylnaphthylene	A	50.0	49.4	0.697018	0.6887716		-1.2	
1,2,4,5-Tetrachlorobenzene	A	50.0	38.9	0.7846604	0.6102237		-22.2	
Hexachlorocyclopentadiene	L	50.0	44.0	0.2698404	0.2906195	0.05	7.7	
2,4,6-Trichlorophenol	A	50.0	51.6	0.4396401	0.4539921		3.3	20
2,4,5-Trichlorophenol	A	50.0	53.5	0.4343777	0.4646402		7.0	
2-Chloronaphthalene	A	50.0	48.2	1.273224	1.22614		-3.7	
1,1-Biphenyl	A	50.0	38.1	1.901611	1.448351		-23.8	
2-Nitroaniline	A	50.0	47.1	0.4465861	0.4207287		-5.8	
Dimethylphthalate	A	50.0	48.7	1.571915	1.531387		-2.6	
Acenaphthylene	A	50.0	46.4	2.112104	1.961567		-7.1	
3-Nitroaniline	A	50.0	51.8	0.4648623	0.4816328		3.6	
Acenaphthene	A	50.0	46.3	1.258578	1.16479		-7.5	20
2,4-Dinitrophenol	L	50.0	47.6	0.1670239	0.2576149	0.05	54.2	
4-Nitrophenol	L	50.0	43.5	0.1289473	0.1430273	0.05	10.9	
Dibenzofuran	A	50.0	49.0	1.850723	1.814557		-2.0	
2,6-Dinitrotoluene	A	50.0	51.9	0.4220418	0.4380424		3.8	



ANALYSIS DATA SHEET

Blank

Client: **BRINKERHOFF ENVIRONMENTAL**
 Work Order: **1501955**
 Project: **138th Street, Bronx, NY; 10BR188**

Matrix:	Solid	Laboratory ID:	B5K0509-BLK1	File ID:	D12891.D
Batch:	B5K0509	Prepared:	11/05/15 10:47	Analyzed:	11/05/15 10:47
Column:	1	Preparation:	EPA 5035A	Dilution:	
		Sequence:	S5K0507	Instrument:	GC/MS D

CAS NO.	COMPOUND	CONC. (ug/kg wet)	MDL	RL	Q
107-02-8	Acrolein	ND	6.00	10.0	U
107-13-1	Acrylonitrile	ND	2.00	10.0	U
67-64-1	Acetone	3.53	1.00	2.00	
75-71-8	Dichlorodifluoromethane	ND	1.00	2.00	U
74-87-3	Chloromethane	ND	1.00	2.00	U
75-01-4	Vinyl chloride	ND	1.00	2.00	U
74-83-9	Bromomethane	ND	1.00	2.00	U
75-00-3	Chloroethane	ND	1.00	2.00	U
75-69-4	Trichlorofluoromethane	ND	1.00	2.00	U
75-35-4	1,1-Dichloroethene	ND	1.00	2.00	U
75-15-0	Carbon disulfide	ND	1.00	2.00	U
75-09-2	Methylene Chloride	4.55	1.00	2.00	
156-60-5	trans-1,2-Dichloroethene	ND	1.00	2.00	U
75-34-3	1,1-Dichloroethane	ND	1.00	2.00	U
108-05-4	Vinyl acetate	ND	1.00	2.00	U
590-20-7	2,2-Dichloropropane	ND	1.00	2.00	U
78-93-3	2-Butanone	ND	1.00	2.00	U
156-59-4	cis-1,2-Dichloroethene	ND	1.00	2.00	U
67-66-3	Chloroform	ND	1.00	2.00	U
74-97-5	Bromochloromethane	ND	1.00	2.00	U
71-55-6	1,1,1-Trichloroethane	ND	1.00	2.00	U
563-58-6	1,1-Dichloropropene	ND	1.00	2.00	U
56-23-5	Carbon Tetrachloride	ND	1.00	2.00	U
107-06-2	1,2-Dichloroethane	ND	1.00	2.00	U



ANALYSIS DATA SHEET

Blank

Client: **BRINKERHOFF ENVIRONMENTAL**
 Work Order: **1501955**
 Project: **138th Street, Bronx, NY; 10BR188**

Matrix:	Solid	Laboratory ID:	B5K0509-BLK1	File ID:	D12891.D
Batch:	B5K0509	Prepared:	11/05/15 10:47	Analyzed:	11/05/15 10:47
Column:	1	Preparation:	EPA 5035A	Dilution:	
		Sequence:	S5K0507	Instrument:	GC/MS D

CAS NO.	COMPOUND	CONC. (ug/kg wet)	MDL	RL	Q
71-43-2	Benzene	ND	1.00	2.00	U
79-01-6	Trichloroethene	ND	1.00	2.00	U
78-87-5	1,2-Dichloropropane	ND	1.00	2.00	U
75-27-4	Bromodichloromethane	ND	1.00	2.00	U
74-95-3	Dibromomethane	ND	1.00	2.00	U
110-75-8	2-Chloroethyl vinyl ether	ND	1.00	2.00	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.00	2.00	U
108-88-3	Toluene	ND	1.00	2.00	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.00	2.00	U
79-00-5	1,1,2-Trichloroethane	ND	1.00	2.00	U
108-10-1	4-Methyl-2-pentanone	ND	1.00	2.00	U
106-93-4	1,2-Dibromoethane	ND	1.00	2.00	U
591-78-6	2-Hexanone	ND	1.00	2.00	U
142-28-9	1,3-Dichloropropane	ND	1.00	2.00	U
127-18-4	Tetrachloroethene	ND	1.00	2.00	U
124-48-1	Dibromochloromethane	ND	1.00	2.00	U
100-41-4	Ethylbenzene	ND	1.00	2.00	U
108-90-7	Chlorobenzene	ND	1.00	2.00	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.00	2.00	U
108-38-3/106-42-3	m,p-Xylenes	ND	2.00	4.00	U
95-47-6	o-Xylene	ND	2.00	4.00	U
100-42-5	Styrene	ND	1.00	4.00	U
75-25-2	Bromoform	ND	1.00	2.00	U
98-82-8	Isopropylbenzene	ND	1.00	2.00	U



ANALYSIS DATA SHEET

Blank

Client: **BRINKERHOFF ENVIRONMENTAL**
 Work Order: **1501955**
 Project: **138th Street, Bronx, NY; 10BR188**

Matrix:	Solid	Laboratory ID:	B5K0509-BLK1	File ID:	D12891.D
Batch:	B5K0509	Prepared:	11/05/15 10:47	Analyzed:	11/05/15 10:47
Column:	1	Preparation:	EPA 5035A	Dilution:	
		Sequence:	S5K0507	Instrument:	GC/MS D

CAS NO.	COMPOUND	CONC. (ug/kg wet)	MDL	RL	Q
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane	ND	1.00	2.00	U
103-65-1	n-Propyl Benzene	ND	1.00	2.00	U
108-86-1	Bromobenzene	ND	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene	ND	1.00	2.00	U
95-49-8	2-Chlorotoluene	ND	1.00	2.00	U
106-43-4	4-Chlorotoluene	ND	1.00	2.00	U
98-06-6	tert-Butylbenzene	ND	1.00	2.00	U
95-63-6	1,2,4-Trimethylbenzene	ND	1.00	2.00	U
135-98-8	sec-Butylbenzene	ND	1.00	2.00	U
99-87-6	p-Isopropyltoluene	ND	1.00	2.00	U
541-73-1	1,3-Dichlorobenzene	ND	1.00	2.00	U
106-46-7	1,4-Dichlorobenzene	ND	1.00	2.00	U
104-51-8	n-Butyl Benzene	ND	1.00	2.00	U
95-50-1	1,2-Dichlorobenzene	ND	1.00	2.00	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.00	2.00	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.00	2.00	U
87-68-3	Hexachlorobutadiene	ND	1.00	2.00	U
91-20-3	Naphthalene	ND	1.00	2.00	U
87-61-6	1,2,3-Trichlorobenzene	ND	1.00	2.00	U
	<u>Surrogate</u>	<u>% Recovery</u>		<u>Recovery Limits</u>	
	1,2-Dichloroethane-d4	102%		70-130	
	Toluene-d8	101%		70-130	
	Bromofluorobenzene	96%		70-130	



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike Dup

Client: BRINKERHOFF ENVIRONMENTAL
 Project: 138th Street, Bronx, NY; 10BR188
 Work Order: 1501955

Matrix:	Solid	Analysis Method:	EPA 8260
Prep Batch:	B5K0314	Prep Method:	EPA 5035A
Percent Solids:	85.30	Laboratory ID:	B5K0314-MSD1
		Client Sample ID:	1501917-02

ANALYTE	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
Benzene	58.6	60.6	103	6	30	70 - 130
Trichloroethene	58.6	59.7	102	6	30	70 - 130
Methylcyclohexane	58.6	51.1	87	6	30	70 - 130
1,2-Dichloropropane	58.6	67.0	114	8	30	70 - 130
Bromodichloromethane	58.6	65.4	112	8	30	70 - 130
Dibromomethane	58.6	68.1	116	8	30	70 - 130
2-Chloroethyl vinyl ether	58.6	72.3	123	10	30	40 - 160
cis-1,3-Dichloropropene	58.6	69.7	119	10	30	70 - 130
Toluene	58.6	61.6	105	7	30	70 - 130
trans-1,3-Dichloropropene	58.6	72.6	124	11	30	70 - 130
1,1,2-Trichloroethane	58.6	72.6	124	10	30	70 - 130
4-Methyl-2-pentanone	58.6	72.3	123	12	30	40 - 160
1,2-Dibromoethane	58.6	75.3	128	12	30	70 - 130
2-Hexanone	58.6	64.3	110	13	30	40 - 160
1,3-Dichloropropane	58.6	73.6	126	12	30	70 - 130
Tetrachloroethene	58.6	57.6	98	10	30	70 - 130
Dibromochloromethane	58.6	72.2	123	12	30	70 - 130
Ethylbenzene	58.6	63.6	108	9	30	70 - 130
Chlorobenzene	58.6	65.6	112	10	30	70 - 130
1,1,1,2-Tetrachloroethane	58.6	67.4	115	10	30	70 - 130
m,p-Xylenes	117	126	108	8	30	70 - 130
o-Xylene	117	123	105	9	30	70 - 130
Styrene	117	122	104	9	30	70 - 130
Bromoform	58.6	71.1	121	13	30	70 - 130
Isopropylbenzene	58.6	65.7	112	13	30	70 - 130
1,1,2,2-Tetrachloroethane	58.6	83.0	142 *	13	30	70 - 130
1,2,3-Trichloropropane	58.6	79.6	136 *	12	30	70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Client: **BRINKERHOFF ENVIRONMENTAL**
 Project: **138th Street, Bronx, NY; 10BR188**
 Work Order: **1501955**

Matrix:	Solid	Analysis Method:	EPA 8260
Prep Batch:	B5K0509	Prep Method:	EPA 5035A
Percent Solids:	90.00	Laboratory ID:	B5K0509-MS1
		Client Sample ID:	1501985-11

ANALYTE	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC.	QC LIMITS REC.
Acrolein	278	ND	178	64	40 - 160
Acrylonitrile	278	ND	288	104	70 - 130
Acetone	55.6	1.87	62.6	109	40 - 160
Dichlorodifluoromethane	55.6	ND	56.9	102	40 - 160
Chloromethane	55.6	ND	55.1	99	40 - 160
Vinyl chloride	55.6	ND	58.9	106	70 - 130
Bromomethane	55.6	ND	61.3	110	40 - 160
Chloroethane	55.6	ND	60.9	110	40 - 160
Trichlorofluoromethane	55.6	ND	57.9	104	40 - 160
Freon 113	55.6	ND	40.6	73	70 - 130
1,1-Dichloroethene	55.6	ND	45.5	82	70 - 130
Carbon disulfide	55.6	ND	40.0	72	70 - 130
Methyl Acetate	55.6	ND	72.0	130	70 - 130
Methylene Chloride	55.6	22.1	82.9	109	70 - 130
trans-1,2-Dichloroethene	55.6	ND	46.9	84	70 - 130
1,1-Dichloroethane	55.6	ND	53.9	97	70 - 130
2,2-Dichloropropane	55.6	ND	52.0	94	70 - 130
2-Butanone	55.6	ND	57.2	103	40 - 160
cis-1,2-Dichloroethene	55.6	ND	52.6	95	70 - 130
Chloroform	55.6	ND	54.0	97	70 - 130
Bromochloromethane	55.6	ND	55.9	101	70 - 130
Cyclohexane	55.6	ND	35.0	63	* 70 - 130
1,1,1-Trichloroethane	55.6	ND	51.1	92	70 - 130
t-Butyl alcohol	55.6	ND	604	109	40 - 160
1,1-Dichloropropene	55.6	ND	43.9	79	70 - 130
Carbon Tetrachloride	55.6	ND	46.2	83	70 - 130
1,2-Dichloroethane	55.6	ND	56.5	102	70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Client: BRINKERHOFF ENVIRONMENTAL
 Project: 138th Street, Bronx, NY; 10BR188
 Work Order: 1501955

Matrix:	Solid	Analysis Method:	EPA 8260
Prep Batch:	B5K0509	Prep Method:	EPA 5035A
Percent Solids:	90.00	Laboratory ID:	B5K0509-MS1
		Client Sample ID:	1501985-11

ANALYTE	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC.	QC LIMITS REC.
Benzene	55.6	ND	50.7	91	70 - 130
Trichloroethene	55.6	ND	47.1	85	70 - 130
Methylcyclohexane	55.6	ND	29.2	52	* 70 - 130
1,2-Dichloropropane	55.6	ND	56.5	102	70 - 130
Bromodichloromethane	55.6	ND	54.6	98	70 - 130
Dibromomethane	55.6	ND	55.1	99	70 - 130
2-Chloroethyl vinyl ether	55.6	ND	61.0	110	40 - 160
cis-1,3-Dichloropropene	55.6	ND	53.9	97	70 - 130
Toluene	55.6	ND	47.8	86	70 - 130
trans-1,3-Dichloropropene	55.6	ND	52.8	95	70 - 130
1,1,2-Trichloroethane	55.6	ND	57.0	103	70 - 130
4-Methyl-2-pentanone	55.6	ND	57.7	104	40 - 160
1,2-Dibromoethane	55.6	ND	57.8	104	70 - 130
2-Hexanone	55.6	ND	64.0	115	40 - 160
1,3-Dichloropropane	55.6	ND	62.0	112	70 - 130
Tetrachloroethene	55.6	ND	43.3	78	70 - 130
Dibromochloromethane	55.6	ND	62.8	113	70 - 130
Ethylbenzene	55.6	ND	48.7	88	70 - 130
Chlorobenzene	55.6	ND	52.0	94	70 - 130
1,1,1,2-Tetrachloroethane	55.6	ND	58.8	106	70 - 130
m,p-Xylenes	111	ND	94.3	85	70 - 130
o-Xylene	111	ND	97.6	88	70 - 130
Styrene	111	ND	98.9	89	70 - 130
Bromoform	55.6	ND	61.9	111	70 - 130
Isopropylbenzene	55.6	ND	53.9	97	70 - 130
1,1,1,2,2-Tetrachloroethane	55.6	ND	77.3	139	* 70 - 130
1,2,3-Trichloropropane	55.6	ND	73.1	132	* 70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Client: BRINKERHOFF ENVIRONMENTAL
 Project: 138th Street, Bronx, NY; 10BR188
 Work Order: 1501955

Matrix:	Solid	Analysis Method:	EPA 8260
Prep Batch:	B5K0509	Prep Method:	EPA 5035A
Percent Solids:	90.00	Laboratory ID:	B5K0509-MS1
		Client Sample ID:	1501985-11

ANALYTE	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC.	QC LIMITS REC.
n-Propyl Benzene	55.6	ND	49.5	89	70 - 130
Bromobenzene	55.6	ND	58.4	105	70 - 130
1,3,5-Trimethylbenzene	55.6	ND	50.4	91	70 - 130
2-Chlorotoluene	55.6	ND	54.9	99	70 - 130
4-Chlorotoluene	55.6	ND	54.2	98	70 - 130
tert-Butylbenzene	55.6	ND	50.0	90	70 - 130
1,2,4-Trimethylbenzene	55.6	ND	51.5	93	70 - 130
sec-Butylbenzene	55.6	ND	44.2	80	70 - 130
p-Isopropyltoluene	55.6	ND	43.9	79	70 - 130
1,3-Dichlorobenzene	55.6	ND	49.2	89	70 - 130
1,4-Dichlorobenzene	55.6	ND	50.0	90	70 - 130
n-Butyl Benzene	55.6	ND	38.9	70	70 - 130
1,2-Dichlorobenzene	55.6	ND	53.5	96	70 - 130
1,2-Dibromo-3-chloropropane	55.6	ND	74.1	133	40 - 160
1,2,4-Trichlorobenzene	55.6	ND	36.2	65	* 70 - 130
Hexachlorobutadiene	55.6	ND	28.4	51	* 70 - 130
Naphthalene	55.6	ND	52.3	94	40 - 160
1,2,3-Trichlorobenzene	55.6	ND	38.5	69	* 70 - 130
Methyl tert-Butyl Ether	111	ND	154	139	* 70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike Dup

Client: BRINKERHOFF ENVIRONMENTAL
 Project: 138th Street, Bronx, NY; 10BR188
 Work Order: 1501955

Matrix:	Solid	Analysis Method:	EPA 8260
Prep Batch:	B5K0509	Prep Method:	EPA 5035A
Percent Solids:	90.00	Laboratory ID:	B5K0509-MSD1
		Client Sample ID:	1501985-11

ANALYTE	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
Acrolein	278	154	55	15	30	40 - 160
Acrylonitrile	278	295	106	3	30	70 - 130
Acetone	55.6	64.7	113	3	30	40 - 160
Dichlorodifluoromethane	55.6	57.9	104	2	30	40 - 160
Chloromethane	55.6	56.1	101	2	30	40 - 160
Vinyl chloride	55.6	61.0	110	3	30	70 - 130
Bromomethane	55.6	63.0	113	3	30	40 - 160
Chloroethane	55.6	66.4	120	9	30	40 - 160
Trichlorofluoromethane	55.6	60.7	109	5	30	40 - 160
Freon 113	55.6	45.6	82	12	30	70 - 130
1,1-Dichloroethene	55.6	48.1	87	5	30	70 - 130
Carbon disulfide	55.6	43.8	79	9	30	70 - 130
Methyl Acetate	55.6	76.6	138*	6	30	70 - 130
Methylene Chloride	55.6	81.5	107	2	30	70 - 130
trans-1,2-Dichloroethene	55.6	50.0	90	6	30	70 - 130
1,1-Dichloroethane	55.6	58.3	105	8	30	70 - 130
2,2-Dichloropropane	55.6	55.5	100	6	30	70 - 130
2-Butanone	55.6	60.1	108	5	30	40 - 160
cis-1,2-Dichloroethene	55.6	56.0	101	6	30	70 - 130
Chloroform	55.6	57.7	104	6	30	70 - 130
Bromochloromethane	55.6	60.4	109	8	30	70 - 130
Cyclohexane	55.6	38.1	69*	9	30	70 - 130
1,1,1-Trichloroethane	55.6	54.6	98	7	30	70 - 130
t-Butyl alcohol	55.6	615	111	2	30	40 - 160
1,1-Dichloropropene	55.6	46.7	84	6	30	70 - 130
Carbon Tetrachloride	55.6	49.7	89	7	30	70 - 130
1,2-Dichloroethane	55.6	58.4	105	3	30	70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike Dup

Client: BRINKERHOFF ENVIRONMENTAL
 Project: 138th Street, Bronx, NY; 10BR188
 Work Order: 1501955

Matrix:	Solid	Analysis Method:	EPA 8260
Prep Batch:	B5K0509	Prep Method:	EPA 5035A
Percent Solids:	90.00	Laboratory ID:	B5K0509-MSD1
		Client Sample ID:	1501985-11

ANALYTE	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
Benzene	55.6	52.8	95	4	30	70 - 130
Trichloroethene	55.6	49.2	89	4	30	70 - 130
Methylcyclohexane	55.6	31.9	57 *	9	30	70 - 130
1,2-Dichloropropane	55.6	58.5	105	3	30	70 - 130
Bromodichloromethane	55.6	57.8	104	6	30	70 - 130
Dibromomethane	55.6	55.8	100	1	30	70 - 130
2-Chloroethyl vinyl ether	55.6	62.4	112	2	30	40 - 160
cis-1,3-Dichloropropene	55.6	55.7	100	3	30	70 - 130
Toluene	55.6	49.9	90	4	30	70 - 130
trans-1,3-Dichloropropene	55.6	55.6	100	5	30	70 - 130
1,1,2-Trichloroethane	55.6	59.4	107	4	30	70 - 130
4-Methyl-2-pentanone	55.6	56.6	102	2	30	40 - 160
1,2-Dibromoethane	55.6	57.9	104	0.06	30	70 - 130
2-Hexanone	55.6	64.1	115	0.2	30	40 - 160
1,3-Dichloropropane	55.6	64.0	115	3	30	70 - 130
Tetrachloroethene	55.6	46.6	84	7	30	70 - 130
Dibromochloromethane	55.6	65.7	118	5	30	70 - 130
Ethylbenzene	55.6	51.2	92	5	30	70 - 130
Chlorobenzene	55.6	54.5	98	5	30	70 - 130
1,1,1,2-Tetrachloroethane	55.6	63.3	114	7	30	70 - 130
m,p-Xylenes	111	99.6	90	5	30	70 - 130
o-Xylene	111	102	92	5	30	70 - 130
Styrene	111	103	93	4	30	70 - 130
Bromoform	55.6	62.5	112	1	30	70 - 130
Isopropylbenzene	55.6	58.1	105	8	30	70 - 130
1,1,2,2-Tetrachloroethane	55.6	78.0	140 *	0.8	30	70 - 130
1,2,3-Trichloropropane	55.6	76.4	138 *	4	30	70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike Dup

Client: **BRINKERHOFF ENVIRONMENTAL**
 Project: **138th Street, Bronx, NY; 10BR188**
 Work Order: **1501955**

Matrix:	Solid	Analysis Method:	EPA 8260
Prep Batch:	B5K0509	Prep Method:	EPA 5035A
Percent Solids:	90.00	Laboratory ID:	B5K0509-MSD1
		Client Sample ID:	1501985-11

ANALYTE	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
n-Propyl Benzene	55.6	53.3	96	7	30	70 - 130
Bromobenzene	55.6	62.4	112	7	30	70 - 130
1,3,5-Trimethylbenzene	55.6	53.4	96	6	30	70 - 130
2-Chlorotoluene	55.6	57.6	104	5	30	70 - 130
4-Chlorotoluene	55.6	55.6	100	3	30	70 - 130
tert-Butylbenzene	55.6	52.4	94	5	30	70 - 130
1,2,4-Trimethylbenzene	55.6	55.6	100	8	30	70 - 130
sec-Butylbenzene	55.6	47.2	85	7	30	70 - 130
p-Isopropyltoluene	55.6	47.0	85	7	30	70 - 130
1,3-Dichlorobenzene	55.6	52.2	94	6	30	70 - 130
1,4-Dichlorobenzene	55.6	51.7	93	3	30	70 - 130
n-Butyl Benzene	55.6	41.7	75	7	30	70 - 130
1,2-Dichlorobenzene	55.6	54.3	98	2	30	70 - 130
1,2-Dibromo-3-chloropropane	55.6	72.9	131	2	30	40 - 160
1,2,4-Trichlorobenzene	55.6	37.3	67 *	3	30	70 - 130
Hexachlorobutadiene	55.6	30.1	54 *	6	30	70 - 130
Naphthalene	55.6	48.8	87	7	30	40 - 160
1,2,3-Trichlorobenzene	55.6	34.7	62 *	10	30	70 - 130
Methyl tert-Butyl Ether	111	166	149 *	7	30	70 - 130

* Values outside of QC limits



INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
 Work Order: 1501955
 Project: 138th Street, Bronx, NY; 10BR188
 Sequence: S5K0507

Instrument: GC/MS D
 Calibration: 15K1802

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
EP-11 (1501955-01)			<i>Lab File ID: D12898.D</i>			<i>Analyzed: 11/05/15 15:04</i>			
Pentafluorobenzene	491631	6.46	740552	6.46	66	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	865530	7.16	1275644	7.15	68	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	598542	11.21	1012725	11.2	59	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	183829	14.2	427329	14.2	43	50 - 200	0.0000	+/-0.50	*

* Values outside of QC limits



INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
 Work Order: 1501955
 Project: 138th Street, Bronx, NY; 10BR188
 Sequence: S5K0304

Instrument: GC/MS D
 Calibration: 15J2804

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
EP-11 (1501955-01RE1)			<i>Lab File ID: D12870.D</i>		<i>Analyzed: 11/03/15 19:48</i>				
Pentafluorobenzene	515590	6.46	864483	6.47	60	50 - 200	-0.0100	+/-0.50	
1,4-Difluorobenzene	876166	7.17	1450281	7.17	60	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	551057	11.21	1170910	11.21	47	50 - 200	0.0000	+/-0.50	*
1,4-Dichlorobenzene-d4	165398	14.2	501911	14.2	33	50 - 200	0.0000	+/-0.50	*

* Values outside of QC limits



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Client: BRINKERHOFF ENVIRONMENTAL
 Work Order: 1501955
 Project: 138th Street, Bronx, NY; 10BR188

Matrix:	Solid	Analysis:	EPA 6010
Batch:	B5J3010	Preparation:	EPA 3050B
% Solids:	88.10	Laboratory ID:	B5J3010-MS1
		Client Sample ID:	1501921-01

ANALYTE	SPIKE ADDED (mg/kg dry)	SAMPLE CONCENTRATION (mg/kg dry)	MS CONCENTRATION (mg/kg dry)	MS % REC.	QC LIMITS REC.
Aluminum	284	13500	20000 *	2280 算 *	75 - 125
Antimony	284	ND	263	92.6	75 - 125
Arsenic	284	5.81	277	95.5	75 - 125
Barium	284	51.1	340	102	75 - 125
Beryllium	284	0.810	280	98.4	75 - 125
Cadmium	284	ND	267	94.2	75 - 125
Calcium	284	1500	1930 *	152 算 *	75 - 125
Chromium	284	26.1	290	92.9	75 - 125
Cobalt	284	15.0	272	90.4	75 - 125
Copper	284	37.5	302	93.3	75 - 125
Lead	284	44.8	294	87.8	75 - 125
Magnesium	284	1700	1800 *	35.6 算 *	75 - 125
Manganese	284	503	669 *	58.2	75 - 125
Nickel	284	14.7	273	91.1	75 - 125
Potassium	284	525	995 *	166	75 - 125
Selenium	284	ND	252	88.8	75 - 125
Silver	28.4	ND	26.1	91.8	75 - 125
Sodium	284	71.7	350	98.0	75 - 125
Thallium	284	ND	245	86.3	75 - 125
Vanadium	284	35.4	310	96.9	75 - 125
Zinc	284	104	333	80.8	75 - 125

* spiked too low



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike Dup

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1501955
Project: 138th Street, Bronx, NY; 10BR188

Matrix:	Solid	Analysis:	EPA 6010
Batch:	B5J3010	Preparation:	EPA 3050B
% Solids:	88.10	Laboratory ID:	B5J3010-MSD1
		Client Sample ID:	1501921-01

ANALYTE	SPIKE ADDED (mg/kg dry)	MSD CONCENTRATION (mg/kg dry)	MSD % REC. #	QC LIMITS			
				% RPD	RPD	REC.	RPD
Aluminum	284	18700	1810 * *	6.84	20	75 - 125	
Antimony	284	252	88.9	4.08	20	75 - 125	
Arsenic	284	269	92.9	2.66	20	75 - 125	
Barium	284	324	96.2	4.75	20	75 - 125	
Beryllium	284	271	95.3	3.19	20	75 - 125	
Cadmium	284	260	91.7	2.71	20	75 - 125	
Calcium	284	1560	24.4 * *	20.7 *	20	75 - 125	
Chromium	284	283	90.5	2.40	20	75 - 125	
Cobalt	284	263	87.4	3.21	20	75 - 125	
Copper	284	294	90.3	2.90	20	75 - 125	
Lead	284	280	82.7	5.01	20	75 - 125	
Magnesium	284	1740	14.4 * *	3.40	20	75 - 125	
Manganese	284	690	65.8 *	3.17	20	75 - 125	
Nickel	284	266	88.6	2.59	20	75 - 125	
Potassium	284	900	132 *	10.1	20	75 - 125	
Selenium	284	242	85.2	4.14	20	75 - 125	
Silver	28.4	24.9	87.7	4.54	20	75 - 125	
Sodium	284	331	91.4	5.43	20	75 - 125	
Thallium	284	235	82.9	4.09	20	75 - 125	
Vanadium	284	307	95.6	1.14	20	75 - 125	
Zinc	284	321	76.5	3.72	20	75 - 125	

* spiked too low

Appendix C

Validator Qualifications

MICHAEL K. PERRY

Chemist/Data Validator

B.S. Chemistry, Georgia State University, Atlanta, GA

A.A.S., Chemical Technology, Alfred State College, Alfred, NY

Mr. Perry has over 30 years of experience in the analytical laboratory business. During his early career, he spent several years as a laboratory analyst performing the analysis of soil, water, and air samples for inorganic and organic chemical parameters. During his last 20 years in the environmental laboratory business, he managed and directed two major analytical laboratories in Rochester, NY. His management responsibilities included oversight of the daily operations of the lab, staff training and supervision, the selection, purchase, and maintenance of analytical instruments, the introduction of new laboratory methods, analytical quality assurance and quality control, data acquisition and management, and other business-related activities.

Mr. Perry has an extensive working knowledge of the methods and procedures used for sampling and analyzing both inorganic and organic analytes in soil, water, and air. He is an accomplished laboratory chemist and is familiar with the analytical methods and procedures established under the USEPA Contract Laboratory Protocols (CLP), the NYSDEC Analytical Services Protocols (ASP), and the NYSDOH Environmental Laboratory Approval Program (ELAP).

KENNETH R. APPLIN
Geochemist/Data Validator

Ph.D., Geochemistry and Mineralogy, The Pennsylvania State University

M.S., Geochemistry and Mineralogy, The Pennsylvania State University

B.A., Geological Sciences, SUNY at Geneseo, NY

Dr. Applin has over 35 years of experience working with the geochemistry of natural waters. His prior experience includes working as an Assistant Professor of Geology at the University of Missouri-Columbia and as Chief Hydrogeologist and Geochemist with a leading engineering firm in Rochester, NY. In 1993, he established KR Applin and Associates, a small consulting business that focuses on the geochemistry of natural waters, especially as applied to problems involving the contamination of groundwater and surface water.

Dr. Applin is also an experienced analytical data validator and has provided data validation services since 1994 to a variety of clients performing brownfield cleanup projects, hazardous waste remediation, groundwater monitoring at solid waste facilities, and other projects requiring third-party data validation. Dr. Applin has several years of hands-on experience with the laboratory analysis of natural waters and has successfully completed the USEPA Region II certification courses for performing inorganic and organic analytical data validation.

DATA USABILITY SUMMARY REPORT (DUSR)

**Former G & C Services
255 East 138th Street
Block 2333, Lot 1
Bronx, Bronx County, NY
NYSDEC BCP # C203057**

SDG: 1501974
1 Soil Sample

Prepared for:

**Brinkerhoff Environmental Services, Inc.
1805 Atlantic Avenue
Manasquan, NJ 08736**

December 2015



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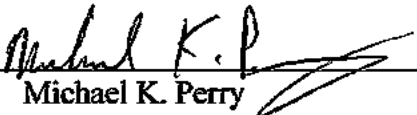
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REVIEWER'S NARRATIVE
SDG 1501974

The data associated with this Sample Delivery Group (SDG) 1501974, analyzed by Accredited Analytical Resources, LLC, Carteret, NJ have been reviewed in accordance with assessment criteria provided by the New York State Department of Environmental Conservation following the review procedures provided in the USEPA Functional Guidelines for evaluating organic and inorganic data.

All analytical results reported by the laboratory are considered valid and acceptable except results that have been qualified as rejected, "R". Results qualified as estimated "J", or as non-detects, "U", are considered usable for the purpose of evaluating water and/or soil quality. However, these qualifiers indicate that the accuracy and/or precision of the analytical result is questionable. A summary of all data that have been qualified and the reasons for qualification are provided in the following data usability summary report (DUSR).

Two facts should be noted by all data users. First, the "R" qualifier means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the analyte is present or not. Values qualified with an "R" should not appear on the final data tables because they cannot be relied upon, even as the last resort. Second, no analyte concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error.

Reviewer's Signature:  Date: 12/17/15
Michael K. Perry
Chemist

1.0 SUMMARY

SITE: 255 East 138th Street.
Bronx , NY

SAMPLING DATE: October 30, 2015

SAMPLE TYPE: 1 soil sample

LABORATORY: Accredited Analytical Resources, LLC.
Carteret, NJ

SDG No.: 1501974

2.0 INTRODUCTION

This data usability summary report (DUSR) was prepared in accordance with guidance provided by the New York State Department of Environmental Conservation (NYSDEC). The DUSR is based on a review and evaluation of the laboratory analytical data package. Specifically, the NYSDEC guidance recommends review and evaluation of the following elements of the data package:

- Completeness of the data package as defined under the requirements of the NYSDEC Analytical Services Protocols (ASP) Category B or the United States Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) deliverables,
- Compliance with established analyte holding times,
- Adherence to quality control (QC) limits and specifications for blanks, instrument tuning and calibration, surrogate recoveries, spike recoveries, laboratory duplicate analyses, and other QC criteria,
- Adherence to established analytical protocols,
- Conformance of data summary sheets with raw analytical data, and
- Use of correct data qualifiers.

Data deficiencies, analytical protocol deviations, and quality control problems identified using the review criteria above and their effect on the analytical results are discussed in this report.

3.0 SAMPLE AND ANALYSIS SUMMARY

The data package consists of analytical results for one soil sample collected on October 30, 2015. This sample was analyzed for volatile organic compounds, semi-volatile organic compounds, pesticides, polychlorinated biphenyls (PCBs), TAL metals, and total cyanide.

All laboratory analyses were performed by Accredited Analytical Resources, LLC., Carteret, NJ and analyzed as SDG 1501974. The analytical results were provided in NYSDEC ASP Category B format, which includes all raw analytical data and laboratory QC data.

4.0 GUIDANCE DOCUMENTS AND DATA REVIEW CRITERIA

The guidance documents used for reviewing laboratory quality control (QC) data and assigning data qualifiers (flags) to analytical results are listed in Table 4-1. The QC limits established in the documents applicable to this data review were used to assess the quality of the analytical results. In some cases, however, QC limits established internally by the laboratory were taken into account to determine data quality.

The QC criteria considered for assessing the usability of the reported analytical results provided for each analyte type (i.e. VOCs, SVOCs, metals, etc.) are listed in Table 4-2. These criteria may vary with the analytical method utilized by the laboratory. These criteria comply with the guidance recommended in Section 2.0 above.

5.0 DATA VALIDATION QUALIFIERS

The letter qualifiers (flags) used to define data usability are described briefly below. These letters are assigned by the data validator to analytical results having questionable accuracy and/or precision as determined by reviewing the laboratory QC data associated with the analytical results.

TABLE 4-1**DATA VALIDATION GUIDANCE DOCUMENTS**

Analyte Type	Validation Guidance
VOCs	USEPA, 2008, Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry; SW-846 Method 8260B; SOP # HW-24, Rev. 2. USEPA, 2008, Statement of Work for Organic Analysis of Low/Medium Concentration of Volatile Organic Compounds SOM01.2; SOP HW-33, Rev. 2.
SVOCs	USEPA, 2007, Statement of Work for Organic Analysis of Low/Medium Concentration of Semivolatile Organic Compounds SOM01.2; SOP HW-35, Rev. 1.
Pesticides/PCBs	USEPA, 2006, CLP Organics Data Review and Preliminary Review (CLP/SOW OLMO 4.3); SOP # HW-6, Rev. 14, Part C.
Metals	USEPA, 2006, Validation of Metals for the Contract Laboratory Program (CLP) based on SOW ILMO 5.3 (SOP Revision 13), SOP # HW-2, Rev. 13.
Gen Chemistry	NYSDEC, 2005, Analytical Services Protocols (ASP)
VOCs (Ambient air)	USEPA, 2006, Validating Air Samples, Volatile Organic Analysis of Ambient Air in Canister by Method TO-15; SOP # HW-31, Rev. 4.

TABLE 4-2

**QUALITY CONTROL CRITERIA USED FOR VALIDATING
LABORATORY ANALYTICAL DATA**

VOCs	SVOCs	Pesticides/PCBs	Metals	Gen Chemistry	Method TO-15
Completeness of Pkg Sample Condition Holding Time System Monitoring Compounds Lab Control Sample Matrix Spikes Blanks Instrument Tuning Internal Standards Initial Calibration Continuing Calibration Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Time Surrogate Recoveries Lab Control Sample Matrix Spikes Blanks Instrument Tuning Internal Standards Initial Calibration Continuing Calibration Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Time Surrogate Recoveries Matrix Spikes Blanks Instrument Calibration & Verification Analyte ID Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Time Initial/Continuing Calibration CRDL Standards Blanks Interference Check Sample Spike Recoveries Lab Duplicate Lab Control Sample ICP Serial Dilutions Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Times Calibration Lab Control Samples Blanks Spike Recoveries Lab Duplicates	Completeness of Pkg Sample Condition Holding Time Canister Certification Lab Control Sample Instrument Tuning Blanks Initial Calibration & System Performance Daily Calibration Field Duplicate

The laboratory may also use various letters and symbols to flag analytical results generated when QC limits were exceeded. The meanings of these flags may differ from those used by the independent data validator. Those used by the laboratory are provided with the analytical results.

NOTE: The assignment of data qualifiers by the data reviewer (validator) to laboratory analytical results should not necessarily be interpreted by the data user as a measure of laboratory ability or proficiency. Rather, the qualifiers are intended to provide a measure of data accuracy and precision to the data user, which, for example, may provide a level of confidence in determining whether or not standards or cleanup objectives have been met.

- U** The analyte was analyzed for but was not detected at or above the sample quantitation limit.
- J** The analyte was positively identified; the associated numerical value is the *approximate* concentration of the analyte in the sample. (The magnitude of any \pm value associated with the result is not determined by data validation).
- UJ** The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is *approximate* and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R** The sample result is rejected (i.e., is unusable) due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
- N** The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
- JN** The analyte is considered to be "presumptively present." The associated numerical value represents its *approximate* concentration.

The validated analytical results are attached to this report. Validation qualifiers (flags) are indicated using red ink. Data sheets having qualified data are signed and dated by the data reviewer.

6.0 RESULTS OF THE DATA REVIEW

The results of the data review are summarized in Tables 6-1 through 6-6. The tables list the samples where QC criteria were found to exceed acceptable limits and the actions taken to qualify the associated analytical results.

7.0 TOTAL USABLE DATA

For SDG 1501974, one sample was analyzed and results were reported for 188 analytes. Even though some results were flagged with a "J" as estimated, all results (100 %) are considered usable. See the summary table for the analyses that are estimated and the associated QC reasons.

Table 6-1 VOCs

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
EP-12(1501974-01)	Several compounds	none	MS/MSD recoveries outside QC limit	Matrix interference suspected/LCS within QC limits
EP-12(1501974-01)	Acetone Methylene Chloride	B	Method Blank contamination	Sample results up to 10X blank level have been flagged with a "B". Common lab contaminants.
EP-12(1501974-01)	Isopropylbenzene 1,1,2,2-Tetrchloroethane 1,2,3-Trichloropropane n-Propylbenzene Bromobenzene 1,3,5-Trimethylbenzene 2-Chlorotoluene 4-Chlorotoluene tert-Butylbenzene 1,2,4-Trimethylbenzene sec-Butylbenzene p-Isopropylbenzene 1,2,4-Trichlorobenzene 1,2-Dibromo-3-chloropropane 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene Naphthalene n-Butylbenzene Hexachlorobutadiene	J detects/UJ non-detects	IS# 4 <50 % QC limit	Results are estimated.

Table 6-2 SVOCs

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
EP-12(1501974-01)	Several compounds	none	MS/MSD < QC limit	Matrix interference suspected/LCS within QC limits

Table 6-3 Pesticides

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

Table 6-4 PCBs

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

SDG1501974

Table 6-5 TAL Metals

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
EP-12(1501974-01)	Sodium	J detects	% Recovery > QC limit	Results are estimated.
EP-12(1501974-01)	Zinc	J detects	Serial dilution > 10%	Results are estimated.

Table 6-6 Total Cyanide

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

ACRONYMS

CCAL	Continuing Calibration
CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification
CRDL	Contract Required Detection Limit
CRQL	Contract Required Quantitation Limit
%D	Percent Difference
ICAL	Initial Calibration
ICB	Initial Calibration Blank
IS	Internal Standard
LCS	Laboratory Control Sample
MS/MSD	Matrix Spike/Matrix Spike Duplicate
QA	Quality Assurance
QC	Quality Control
%R	Percent recovery
RPD	Relative Percent Difference
%RSD	Percent Relative Standard Deviation
TAL	Target Analyte List (metals)
TCL	Target Compound List (organics)

Appendix A

*Validated
Analytical
Results*



Accredited Analytical Resources, LLC.

16 November 2015

AAR Work Order: 1501974

Doug Harm

BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.

Manasquan, NJ 08736

Project: 138th Street, Bronx, NY; 10BR188

Enclosed are the results of analyses for samples received by the laboratory on 11/02/2015 15:50. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Daniel Miguel

Technical Director

New Jersey Certification Number: 12007
New York Certification Number: 11109
Pennsylvania Certification Number: 68-02799

This report shall not be reproduced, except in its entirety, without the written consent of Accredited Analytical Resources, LLC.
The test results included in this report relate only to the samples analyzed.



20 PERSHING AVE, CARTERET, NJ 07008
 Tel. 732-969-6112 FAX 732-541-1383
 WEB: WWW.ACCREDITEDANALYTICAL.COM

CHAIN OF CUSTODY FORM

STATE AGENCY (CIRCLE ONE) NJ **NY** PA

PROJECT NAME: 138th Street, Bronx, NY; 1062188

CONTACT: Doug Harm

OFFICE PHONE #: 732-223-2225

OFFICE FAX #: 732-223-3666

INITIAL RESULTS TO: Doug Harm

EMAIL FOR INVOICES: dharm@abnck.env

CLIENT NAME: Brinkerhoff Environmental Services

ADDRESS: 1805 Atlantic Avenue

CITY: Manasquan

STATE: NJ ZIP: 08736

AAR QUOTE # 1501974

AAR WORK ORDER # 10BR188

PRES. CODE

CONT. CODE

COLLECTION INFORMATION						ANALYSIS										AAR SAMPLE #
CUSTOMER SAMPLE # / ID	DATE / TIME SAMPLED	MATRIX CODE	DEPTH	# OF CONTAINERS	GRAB (G) / COMP (C)	TAL BULL TEL BULL										
EP-12	10/30/15 / 11:00 AM	S	4	6												-01

MATRIX CODES: S = SOIL A = AQUEOUS GW = GROUND WATER WW = WASTE WATER SW = SURFACE WATER P = POTABLE WATER O = OIL K = SOLID X = OTHER

CONTAINER TYPE CODES: G = GLASS P = PLASTIC B = BENCONE PRESERVATIVES CODES: 1 = HCL 2 = HNO₃ 3 = H₂SO₄ 4 = NaOH 5 = OTHER

TURNAROUND TIME: (CIRCLE ONE) **STANDARD** 5 DAY 72 HRS. 48 HRS. 24 HRS. OTHER

(IF BLANK STANDARD WILL APPLY)

REPORT TYPE: RESULTS ONLY REDUCED FULL **X** EDD EXCEL SPREADSHEET

COMMENTS: Send invoice to Brinkerhoff; NYSDEC Category B data delivery by cooler temp: 4°C

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: Monica Norton SIGN: Monica Norton

SIGN BELOW WHEN DELIVERING SAMPLES - EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY, CUSTODY MUST BE DOCUMENTED.

RELINQUISHED BY:		RECEIVED BY:		RELINQUISHED BY:		RECEIVED BY:	
Print Name: Monica Norton	Signature: Monica Norton	Print Name: [Signature]	Signature: [Signature]	Print Name: [Signature]	Signature: [Signature]	Print Name: K. MUNIZ	Signature: [Signature]
Agent of:	Agent of:	Agent of:	Agent of:	Agent of:	Agent of:	Agent of: AAR	Agent of:
Date Received: 11/2/15	Time: 13:40	Date Received: 11/2/15	Time: 15:50	Date Received:	Time:	Date Received:	Time:



Case Narrative

Conformance / Non-Conformance Summary

Accredited Analytical Resources, LLC received 1 sample(s) from BRINKERHOFF ENVIRONMENTAL (Project: 138th Street, Bronx, NY; 10BR188) on 11/2/2015 3:50:00 PM.

All analyses were performed within the required holding time.

In the Volatile Organic analyses, B5K0314-MS1/MSD1 and B5K0509-MS1/MSD1 had compounds recovered outside acceptance criteria due to matrix interference, the LCS's were recovered within acceptance limits for all compounds; therefore, no further action required.

In the Volatile Organic analyses, the methylene chloride result reported is due to laboratory contamination.

In the BNA analyses, B5K0410-MS1/MSD1 had compounds recovered outside acceptance criteria due to matrix interference, the LCS was recovered within acceptance limits for all compounds; therefore, no further action required.

In the Metals analysis the recoveries of the MS/MSD were outside of acceptance criteria. The QC sample had concentrations too high to be able to determine a spike recovery. The LCS was within acceptance criteria for those metals out in the MS/MSD. The results are included in this data package.

Except for the parameters tested AAR makes no representation as to the fitness or quality of the sample (s) taken.

*The laboratory has reviewed the quality assurance and quality control measurements for the sample analyses.

Daniel Miguel
Technical Director



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/16/2015 13:27

Analytical Report for Samples

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EP-12	1501974-01	Soil	10/30/2015 11:00	11/02/2015 15:50

Notes and Definitions

- U Analyte included in the analysis, but not detected
- J Indicates estimated value for TICs and all results when detected below the RL
- B Indicates compound found in associated blank
- ND Indicates compound analyzed for but not detected
- U Indicates compound analyzed for but not detected
- dry Sample results reported on a dry weight basis
- RL Reporting Limit
- MDL Method Detection Limit

Accredited Analytical Resources LLC

Daniel Miguel, Technical Director

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.



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/16/2015 13:27

Methodology Summary

EPA Method SW846 8081/8082:

NJ 8081A/8082
NY 8081B/8082A

Semivolatile Organic Compounds EPA Method SW846 8270:

NJ 8270C
NY 8270D

Total Mercury by SW846 7471:

NJ EPA 7471A
NY EPA 7471B

Total Metals by EPA Method SW846 6010:

NJ 6010B
NY 6010C

Volatile Organic Compounds EPA Method SW846 8260:

NJ 8260B
NY 8260C

Wet Chemistry:

Total Cyanide by EPA 9010C & EPA 9014
Percent Solids by SM 2540 G

Accredited Analytical Resources LLC

Daniel Miguel, Technical Director

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.



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/16/2015 13:27

Condition of Samples on Receipt

Temperature °C	4.00
Chain of Custody Filled Out Properly	Yes
Proper Containers and Volumes	Yes
Received Within Holding Time	Yes
Samples Received with Correct Preservation	Yes
Samples Received On Ice	Yes
Sample Received Via Field Services	Yes
Samples Hand Delivered	No

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/16/2015 13:27

Client ID: EP-12

Lab ID: 1501974-01 (Soil)

CAS#	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
------	---------	--------	-----	----	-------	----------	---------------	------------------	--------	-------

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

Sample Prepared by Method: EPA 5035A

107-02-8	Acrolein	ND	9.46	15.8	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
107-13-1	Acrylonitrile	ND	3.15	15.8	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
67-64-1	Acetone	30.0 B	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	B
75-71-8	Dichlorodifluoromethane	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
74-87-3	Chloromethane	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
75-01-4	Vinyl chloride	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
74-83-9	Bromomethane	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
75-00-3	Chloroethane	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
75-69-4	Trichlorofluoromethane	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
75-35-4	1,1-Dichloroethene	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
75-15-0	Carbon disulfide	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
75-09-2	Methylene Chloride	25.8 B	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	B
156-60-5	trans-1,2-Dichloroethene	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
75-34-3	1,1-Dichloroethane	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
108-05-4	Vinyl acetate	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
590-20-7	2,2-Dichloropropane	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
78-93-3	2-Butanone	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
156-59-4	cis-1,2-Dichloroethene	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
67-66-3	Chloroform	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
74-97-5	Bromochloromethane	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
71-55-6	1,1,1-Trichloroethane	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
563-58-6	1,1-Dichloropropene	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
56-23-5	Carbon Tetrachloride	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
107-06-2	1,2-Dichloroethane	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
71-43-2	Benzene	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
79-01-6	Trichloroethene	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
78-87-5	1,2-Dichloropropane	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U

Accredited Analytical Resources LLC

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.

Daniel Miguel, Technical Director

MCP 12/11/15



BRINKERHOFF ENVIRONMENTAL 1805 Atlantic Ave. Manasquan NJ, 08736	Project: 138th Street, Bronx, NY; 10BR188 Project Manager: Doug Harm	Reported: 11/16/2015 13:27
-------------------------------------------------------------------------------	---------------------------------------------------------------------------------------	--------------------------------------

Client ID: EP-12
Lab ID: 1501974-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
-------	---------	--------	-----	----	-------	----------	---------------	------------------	--------	-------

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

75-27-4	Bromodichloromethane	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
74-95-3	Dibromomethane	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
110-75-8	2-Chloroethyl vinyl ether	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
108-88-3	Toluene	2.79	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	J
10061-02-6	trans-1,3-Dichloropropene	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
79-00-5	1,1,2-Trichloroethane	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
108-10-1	4-Methyl-2-pentanone	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
106-93-4	1,2-Dibromoethane	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
591-78-6	2-Hexanone	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
142-28-9	1,3-Dichloropropane	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
127-18-4	Tetrachloroethene	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
124-48-1	Dibromochloromethane	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
100-41-4	Ethylbenzene	4.67	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	
108-90-7	Chlorobenzene	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
108-38-3/106-4	m,p-Xylenes	4.56	3.15	6.31	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	J
95-47-6	o-Xylene	3.88	3.15	6.31	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	J
100-42-5	Styrene	ND	1.58	6.31	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
75-25-2	Bromoform	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
98-82-8	Isopropylbenzene	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
96-18-4	1,2,3-Trichloropropane	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
103-65-1	n-Propyl Benzene	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
108-86-1	Bromobenzene	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
108-67-8	1,3,5-Trimethylbenzene	2.15	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	J
95-49-8	2-Chlorotoluene	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
106-43-4	4-Chlorotoluene	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U

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Daniel Miguel, Technical Director

MKP 12/11/15



BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/16/2015 13:27

Client ID: EP-12
Lab ID: 1501974-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Volatile Organic Compounds EPA Method SW846 8260

98-06-6	tert-Butylbenzene	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
95-63-6	1,2,4-Trimethylbenzene	3.44	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	
135-98-8	sec-Butylbenzene	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
99-87-6	p-Isopropyltoluene	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
541-73-1	1,3-Dichlorobenzene	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
106-46-7	1,4-Dichlorobenzene	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
104-51-8	n-Butyl Benzene	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
95-50-1	1,2-Dichlorobenzene	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
87-68-3	Hexachlorobutadiene	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
87-61-6	1,2,3-Trichlorobenzene	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U

Surrogate: 1,2-Dichloroethane-d4

108% 70-130 11/05/15 15:34 11/05/15 15:34/SG EPA 8260

Surrogate: Toluene-d8

97% 70-130 11/05/15 15:34 11/05/15 15:34/SG EPA 8260

Surrogate: Bromofluorobenzene

75% 70-130 11/05/15 15:34 11/05/15 15:34/SG EPA 8260

Semivolatile Organic Compounds EPA Method SW846 8270

Sample Prepared by Method: EPA 3550B GCMS

62-75-9	N-Nitrosodimethylamine	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
108-95-2	Phenol	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
111-44-4	bis(2-chloroethyl)ether	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
95-57-8	2-Chlorophenol	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
541-73-1	1,3-Dichlorobenzene	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
106-46-7	1,4-Dichlorobenzene	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
100-51-6	Benzyl alcohol	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
95-50-1	1,2-Dichlorobenzene	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
95-48-7	2-Methylphenol	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
106-44-5	3 & 4-Methylphenol	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

MKEP 12/11/15



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/16/2015 13:27

Client ID: EP-12

Lab ID: 1501974-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

621-64-7	N-Nitroso-di-n-propylamine	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
67-72-1	Hexachloroethane	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
98-95-3	Nitrobenzene	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
78-59-1	Isophorone	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
88-75-5	2-Nitrophenol	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
105-67-9	2,4-Dimethylphenol	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
65-85-0	Benzoic acid	ND	131	525	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
111-91-1	bis(2-chloroethoxy)methane	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
120-83-2	2,4-Dichlorophenol	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
120-82-1	1,2,4-Trichlorobenzene	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
91-20-3	Naphthalene	335	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	
106-47-8	4-Chloroaniline	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
87-68-3	Hexachlorobutadiene	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
59-50-7	4-Chloro-3-methylphenol	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
91-57-6	2-Methylnaphthylene	75.4	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	J
77-47-4	Hexachlorocyclopentadiene	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
88-06-2	2,4,6-Trichlorophenol	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
95-95-4	2,4,5-Trichlorophenol	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
91-58-7	2-Chloronaphthalene	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
88-74-4	2-Nitroaniline	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
131-11-3	Dimethylphthalate	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
208-96-8	Acenaphthylene	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
99-09-2	3-Nitroaniline	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
83-32-9	Acenaphthene	242	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	J
51-28-5	2,4-Dinitrophenol	ND	52.5	525	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
100-02-7	4-Nitrophenol	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
132-64-9	Dibenzofuran	148	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	J
606-20-2	2,6-Dinitrotoluene	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/16/2015 13:27

Client ID: EP-12

Lab ID: 1501974-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
Accredited Analytical Resources LLC										
Semivolatile Organic Compounds EPA Method SW846 8270										
121-14-2	2,4-Dinitrotoluene	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
84-66-2	Diethyl phthalate	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
7005-72-3	4-Chlorophenyl-phenylether	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
86-73-7	Fluorene	181	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	J
100-01-6	4-Nitroaniline	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
86-30-6	N-Nitrosodiphenylamine	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
101-55-3	4-Bromophenyl-phenylether	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
118-74-1	Hexachlorobenzene	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
87-86-5	Pentachlorophenol	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
85-01-8	Phenanthrene	489	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	
120-12-7	Anthracene	93.2	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	J
84-74-2	Di-n-butyl phthalate	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
206-44-0	Fluoranthene	326	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	
129-00-0	Pyrene	216	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	J
85-68-7	Butylbenzylphthalate	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
91-94-1	3,3'-Dichlorobenzidine	ND	131	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
56-55-3	Benzo[a]anthracene	77.1	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	J
117-81-7	bis(2-ethylhexyl)phthalate	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
218-01-9	Chrysene	81.3	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	J
117-84-0	Di-n-octyl phthalate	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
205-99-2	Benzo[b]fluoranthene	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
207-08-9	Benzo[k]fluoranthene	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
50-32-8	Benzo[a]pyrene	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
53-70-3	Dibenzo(a,h)anthracene	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
191-24-2	Benzo[ghi]perylene	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U

Surrogate: 2-Fluorophenol

56 % 30-130 11/04/15 12:21 11/05/15 21:01/JMM EPA 8270

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
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Reported:
11/16/2015 13:27

Client ID: EP-12

Lab ID: 1501974-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

Surrogate: Phenol-d5		69 %		30-130			11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	
Surrogate: Nitrobenzene-d5		53 %		30-130			11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	
Surrogate: 2-Fluorobiphenyl		53 %		30-130			11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	
Surrogate: 2,4,6-Tribromophenol		84 %		30-130			11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	
Surrogate: Terphenyl-d14		61 %		30-130			11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	

EPA Method SW846 8081/8082

Sample Prepared by Method: EPA 3550B

319-84-6	alpha-BHC	ND	1.04	1.04	ug/kg dry	1	11/06/15 05:59	11/06/15 20:18/JAM	EPA 8081/8082	U
319-85-7	beta-BHC	ND	1.04	1.04	ug/kg dry	1	11/06/15 05:59	11/06/15 20:18/JAM	EPA 8081/8082	U
319-86-8	delta-BHC	ND	1.04	1.04	ug/kg dry	1	11/06/15 05:59	11/06/15 20:18/JAM	EPA 8081/8082	U
58-89-9	gamma-BHC [Lindane]	ND	1.04	1.04	ug/kg dry	1	11/06/15 05:59	11/06/15 20:18/JAM	EPA 8081/8082	U
76-44-8	Heptachlor	ND	1.04	1.04	ug/kg dry	1	11/06/15 05:59	11/06/15 20:18/JAM	EPA 8081/8082	U
309-00-2	Aldrin	ND	1.04	1.04	ug/kg dry	1	11/06/15 05:59	11/06/15 20:18/JAM	EPA 8081/8082	U
1024-57-3	Heptachlor Epoxide	ND	1.04	1.04	ug/kg dry	1	11/06/15 05:59	11/06/15 20:18/JAM	EPA 8081/8082	U
959-98-8	Endosulfan I	ND	1.04	1.04	ug/kg dry	1	11/06/15 05:59	11/06/15 20:18/JAM	EPA 8081/8082	U
60-57-1	Dieldrin	ND	2.10	2.10	ug/kg dry	1	11/06/15 05:59	11/06/15 20:18/JAM	EPA 8081/8082	U
72-55-9	4,4'-DDE	ND	2.10	2.10	ug/kg dry	1	11/06/15 05:59	11/06/15 20:18/JAM	EPA 8081/8082	U
72-20-8	Endrin	ND	2.10	2.10	ug/kg dry	1	11/06/15 05:59	11/06/15 20:18/JAM	EPA 8081/8082	U
33213-65-9	Endosulfan II	ND	2.10	2.10	ug/kg dry	1	11/06/15 05:59	11/06/15 20:18/JAM	EPA 8081/8082	U
72-54-8	4,4'-DDD	ND	2.10	2.10	ug/kg dry	1	11/06/15 05:59	11/06/15 20:18/JAM	EPA 8081/8082	U
1031-07-8	Endosulfan sulfate	ND	2.10	2.10	ug/kg dry	1	11/06/15 05:59	11/06/15 20:18/JAM	EPA 8081/8082	U
50-29-3	4,4'-DDT	ND	2.10	2.10	ug/kg dry	1	11/06/15 05:59	11/06/15 20:18/JAM	EPA 8081/8082	U
72-43-5	Methoxychlor	ND	10.5	10.5	ug/kg dry	1	11/06/15 05:59	11/06/15 20:18/JAM	EPA 8081/8082	U
53494-70-5	Endrin ketone	ND	2.10	2.10	ug/kg dry	1	11/06/15 05:59	11/06/15 20:18/JAM	EPA 8081/8082	U
7421-93-4	Endrin aldehyde	ND	2.10	2.10	ug/kg dry	1	11/06/15 05:59	11/06/15 20:18/JAM	EPA 8081/8082	U
5103-71-9	alpha-Chlordane	ND	1.04	1.04	ug/kg dry	1	11/06/15 05:59	11/06/15 20:18/JAM	EPA 8081/8082	U
5566-34-7	gamma-Chlordane	ND	1.04	1.04	ug/kg dry	1	11/06/15 05:59	11/06/15 20:18/JAM	EPA 8081/8082	U
8001-35-2	Toxaphene	ND	52.5	52.5	ug/kg dry	1	11/06/15 05:59	11/06/15 20:18/JAM	EPA 8081/8082	U

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Daniel Miguel, Technical Director



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/16/2015 13:27

Client ID: EP-12
Lab ID: 1501974-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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EPA Method SW846 8081/8082

12674-11-2	Aroclor-1016	ND	26.2	52.5	ug/kg dry	1	11/06/15 05:59	11/06/15 20:18/JAM	EPA 8081/8082	U
11104-28-2	Aroclor-1221	ND	26.2	52.5	ug/kg dry	1	11/06/15 05:59	11/06/15 20:18/JAM	EPA 8081/8082	U
11141-16-5	Aroclor-1232	ND	26.2	52.5	ug/kg dry	1	11/06/15 05:59	11/06/15 20:18/JAM	EPA 8081/8082	U
53469-21-9	Aroclor-1242	ND	26.2	52.5	ug/kg dry	1	11/06/15 05:59	11/06/15 20:18/JAM	EPA 8081/8082	U
12672-29-6	Aroclor-1248	ND	26.2	52.5	ug/kg dry	1	11/06/15 05:59	11/06/15 20:18/JAM	EPA 8081/8082	U
11097-69-1	Aroclor-1254	ND	26.2	52.5	ug/kg dry	1	11/06/15 05:59	11/06/15 20:18/JAM	EPA 8081/8082	U
11096-82-5	Aroclor-1260	ND	26.2	52.5	ug/kg dry	1	11/06/15 05:59	11/06/15 20:18/JAM	EPA 8081/8082	U
37324-23-5	Aroclor-1262	ND	26.2	52.5	ug/kg dry	1	11/06/15 05:59	11/06/15 20:18/JAM	EPA 8081/8082	U
11100-14-4	Aroclor-1268	ND	26.2	52.5	ug/kg dry	1	11/06/15 05:59	11/06/15 20:18/JAM	EPA 8081/8082	U
<i>Surrogate: Tetrachloro-m-xylene</i>				94.3 %	30-150		11/06/15 05:59	11/06/15 20:18/JAM	EPA 8081/8082	
<i>Surrogate: Tetrachloro-m-xylene</i>				98.2 %	30-150		11/06/15 05:59	11/06/15 20:18/JAM	EPA 8081/8082	
<i>Surrogate: Decachlorobiphenyl</i>				86.8 %	30-150		11/06/15 05:59	11/06/15 20:18/JAM	EPA 8081/8082	
<i>Surrogate: Decachlorobiphenyl</i>				110 %	30-150		11/06/15 05:59	11/06/15 20:18/JAM	EPA 8081/8082	

Total Metals by EPA Method SW846 6010

Sample Prepared by Method: EPA 3050B

7429-90-5	Aluminum	8820	31.5	31.5	mg/kg dry	1	11/05/15 06:45	11/05/15 13:34/LIT	EPA 6010	
7440-36-0	Antimony	ND	6.31	6.31	mg/kg dry	1	11/05/15 06:45	11/05/15 13:34/LIT	EPA 6010	U
7440-38-2	Arsenic	2.65	1.58	1.58	mg/kg dry	1	11/05/15 06:45	11/05/15 13:34/LIT	EPA 6010	
7440-39-3	Barium	50.9	31.5	31.5	mg/kg dry	1	11/05/15 06:45	11/05/15 13:34/LIT	EPA 6010	
7440-41-7	Beryllium	ND	0.789	0.789	mg/kg dry	1	11/05/15 06:45	11/05/15 13:34/LIT	EPA 6010	U
7440-43-9	Cadmium	ND	0.789	0.789	mg/kg dry	1	11/05/15 06:45	11/05/15 13:34/LIT	EPA 6010	U
7440-70-2	Calcium	4870	39.4	39.4	mg/kg dry	1	11/05/15 06:45	11/05/15 13:34/LIT	EPA 6010	
7440-47-3	Chromium	14.0	3.15	3.15	mg/kg dry	1	11/05/15 06:45	11/05/15 13:34/LIT	EPA 6010	
7440-48-4	Cobalt	ND	7.89	7.89	mg/kg dry	1	11/05/15 06:45	11/05/15 13:34/LIT	EPA 6010	U
7440-50-8	Copper	23.2	4.73	4.73	mg/kg dry	1	11/05/15 06:45	11/05/15 13:34/LIT	EPA 6010	
7439-89-6	Iron	13700	39.4	39.4	mg/kg dry	1	11/05/15 06:45	11/05/15 13:34/LIT	EPA 6010	
7439-92-1	Lead	22.4	1.58	1.58	mg/kg dry	1	11/05/15 06:45	11/05/15 13:34/LIT	EPA 6010	

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director



BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/16/2015 13:27

Client ID: EP-12

Lab ID: 1501974-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
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Accredited Analytical Resources LLC

Total Metals by EPA Method SW846 6010

7439-95-4	Magnesium	5430	78.9	78.9	mg/kg dry	1	11/05/15 06:45	11/05/15 13:34/LIT	EPA 6010	
7439-96-5	Manganese	161	3.15	3.15	mg/kg dry	1	11/05/15 06:45	11/05/15 13:34/LIT	EPA 6010	
7440-02-0	Nickel	15.8	6.31	6.31	mg/kg dry	1	11/05/15 06:45	11/05/15 13:34/LIT	EPA 6010	
7440-09-7	Potassium	1010	78.9	78.9	mg/kg dry	1	11/05/15 06:45	11/05/15 13:34/LIT	EPA 6010	
7782-49-2	Selenium	ND	6.31	6.31	mg/kg dry	1	11/05/15 06:45	11/05/15 13:34/LIT	EPA 6010	U
7440-22-4	Silver	ND	0.789	0.789	mg/kg dry	1	11/05/15 06:45	11/05/15 13:34/LIT	EPA 6010	U
7440-23-5	Sodium	395 J	78.9	78.9	mg/kg dry	1	11/05/15 06:45	11/05/15 13:34/LIT	EPA 6010	
7440-28-0	Thallium	ND	2.37	4.73	mg/kg dry	1	11/05/15 06:45	11/05/15 13:34/LIT	EPA 6010	U
7440-62-2	Vanadium	15.9	7.89	7.89	mg/kg dry	1	11/05/15 06:45	11/05/15 13:34/LIT	EPA 6010	
7440-66-6	Zinc	60.7 J	9.46	9.46	mg/kg dry	1	11/05/15 06:45	11/05/15 13:34/LIT	EPA 6010	

Total Mercury by SW846 7471

Sample Prepared by Method: EPA 7471A

7439-97-6	Mercury	ND	0.118	0.118	mg/kg dry	1	11/04/15 07:58	11/04/15 14:57/PRT	EPA 7471	
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Wet Chemistry

Sample Prepared by Method: EPA 9010C

NA	Cyanide (total)	ND	1.58	1.58	mg/kg dry	1	11/03/15 10:10	11/03/15 15:07/NNM	EPA 9014	
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Sample Prepared by Method: Percent Solids

NA	Percent Solids	63.4	0.100	0.100	%	1	11/03/15 08:57	11/04/15 10:35/CLD	SM 2540 G	
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Daniel Miguel, Technical Director

MFP 12/11/15

Appendix B

***Laboratory
QC
Documentation***



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Client: BRINKERHOFF ENVIRONMENTAL
Project: 138th Street, Bronx, NY; 10BR188
Work Order: 1501974

Matrix:	Solid	Analysis Method:	EPA 8270
Prep Batch:	B5K0410	Prep Method:	EPA 3550B GCMS
Percent Solids:	85.30	Laboratory ID:	B5K0410-MS1
		Client Sample ID:	1501965-01

ANALYTE	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC.	QC LIMITS REC.
Anthracene	1950	ND	1940	99	70 - 130
Di-n-butyl phthalate	1950	ND	1940	99	70 - 130
Fluoranthene	1950	ND	1980	101	70 - 130
Pyrene	1950	ND	1780	91	70 - 130
Butylbenzylphthalate	1950	ND	1780	91	70 - 130
Benzo[a]anthracene	1950	ND	1800	92	70 - 130
bis(2-ethylhexyl)phthalate	1950	ND	1890	97	70 - 130
Chrysene	1950	ND	1780	91	70 - 130
Di-n-octyl phthalate	1950	ND	1700	87	70 - 130
Benzo[b]fluoranthene	1950	ND	1630	83	70 - 130
Benzo[k]fluoranthene	1950	ND	1600	82	70 - 130
Benzo[a]pyrene	1950	ND	1640	84	70 - 130
Indeno(1,2,3-cd)pyrene	1950	ND	1520	78	70 - 130
Dibenzo(a,h)anthracene	1950	ND	1600	82	70 - 130
Benzo[ghi]perylene	1950	ND	1340	69	* 70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike Dup

Client: BRINKERHOFF ENVIRONMENTAL
 Project: 138th Street, Bronx, NY; 10BR188
 Work Order: 1501974

Matrix:	Solid	Analysis Method:	EPA 8270
Prep Batch:	B5K0410	Prep Method:	EPA 3550B GCMS
Percent Solids:	65.30	Laboratory ID:	B5K0410-MSD1
		Client Sample ID:	1501965-01

ANALYTE	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
Anthracene	1950	1730	89	11	30	70 - 130
Di-n-butyl phthalate	1950	1750	90	10	30	70 - 130
Fluoranthene	1950	1780	91	10	30	70 - 130
Pyrene	1950	1600	82	11	30	70 - 130
Butylbenzylphthalate	1950	1620	83	10	30	70 - 130
Benzo[a]anthracene	1950	1630	84	10	30	70 - 130
bis(2-ethylhexyl)phthalate	1950	1610	83	16	30	70 - 130
Chrysene	1950	1600	82	10	30	70 - 130
Di-n-octyl phthalate	1950	1540	79	10	30	70 - 130
Benzo[b]fluoranthene	1950	1530	79	6	30	70 - 130
Benzo[k]fluoranthene	1950	1470	75	8	30	70 - 130
Benzo[a]pyrene	1950	1480	76	10	30	70 - 130
Indeno(1,2,3-cd)pyrene	1950	1380	71	10	30	70 - 130
Dibenzo(a,h)anthracene	1950	1450	74	10	30	70 - 130
Benzo[ghi]perylene	1950	1230	63	9	30	70 - 130

* Values outside of QC limits



ANALYSIS DATA SHEET

Blank

Client: **BRINKERHOFF ENVIRONMENTAL**
 Work Order: **1501974**
 Project: **138th Street, Bronx, NY; 10BR188**

Matrix:	Solid	Laboratory ID:	B5K0509-BLK1	File ID:	D12891.D
Batch:	B5K0509	Prepared:	11/05/15 10:47	Analyzed:	11/05/15 10:47
Column:	1	Preparation:	EPA 5035A	Dilution:	
		Sequence:	S5K0507	Instrument:	GC/MS D

CAS NO.	COMPOUND	CONC. (ug/kg wet)	MDL	RL	Q
107-02-8	Acrolein	ND	6.00	10.0	U
107-13-1	Acrylonitrile	ND	2.00	10.0	U
67-64-1	Acetone	3.53	1.00	2.00	
75-71-8	Dichlorodifluoromethane	ND	1.00	2.00	U
74-87-3	Chloromethane	ND	1.00	2.00	U
75-01-4	Vinyl chloride	ND	1.00	2.00	U
74-83-9	Bromomethane	ND	1.00	2.00	U
75-00-3	Chloroethane	ND	1.00	2.00	U
75-69-4	Trichlorofluoromethane	ND	1.00	2.00	U
75-35-4	1,1-Dichloroethene	ND	1.00	2.00	U
75-15-0	Carbon disulfide	ND	1.00	2.00	U
75-09-2	Methylene Chloride	4.55	1.00	2.00	
156-60-5	trans-1,2-Dichloroethene	ND	1.00	2.00	U
75-34-3	1,1-Dichloroethane	ND	1.00	2.00	U
108-05-4	Vinyl acetate	ND	1.00	2.00	U
590-20-7	2,2-Dichloropropane	ND	1.00	2.00	U
78-93-3	2-Butanone	ND	1.00	2.00	U
156-59-4	cis-1,2-Dichloroethene	ND	1.00	2.00	U
67-66-3	Chloroform	ND	1.00	2.00	U
74-97-5	Bromochloromethane	ND	1.00	2.00	U
71-55-6	1,1,1-Trichloroethane	ND	1.00	2.00	U
563-58-6	1,1-Dichloropropene	ND	1.00	2.00	U
56-23-5	Carbon Tetrachloride	ND	1.00	2.00	U
107-06-2	1,2-Dichloroethane	ND	1.00	2.00	U



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike Dup

Client: BRINKERHOFF ENVIRONMENTAL
Project: 138th Street, Bronx, NY; 10BR188
Work Order: 1501974

Matrix:	Solid	Analysis Method:	EPA 8260
Prep Batch:	B5K0314	Prep Method:	EPA 5035A
Percent Solids:	85.30	Laboratory ID:	B5K0314-MSD1
		Client Sample ID:	1501917-02

ANALYTE	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
Benzene	58.6	60.6	103	6	30	70 - 130
Trichloroethene	58.6	59.7	102	6	30	70 - 130
Methylcyclohexane	58.6	51.1	87	6	30	70 - 130
1,2-Dichloropropane	58.6	67.0	114	8	30	70 - 130
Bromodichloromethane	58.6	65.4	112	8	30	70 - 130
Dibromomethane	58.6	68.1	116	8	30	70 - 130
2-Chloroethyl vinyl ether	58.6	72.3	123	10	30	40 - 160
cis-1,3-Dichloropropene	58.6	69.7	119	10	30	70 - 130
Toluene	58.6	61.6	105	7	30	70 - 130
trans-1,3-Dichloropropene	58.6	72.6	124	11	30	70 - 130
1,1,2-Trichloroethane	58.6	72.6	124	10	30	70 - 130
4-Methyl-2-pentanone	58.6	72.3	123	12	30	40 - 160
1,2-Dibromoethane	58.6	75.3	128	12	30	70 - 130
2-Hexanone	58.6	64.3	110	13	30	40 - 160
1,3-Dichloropropane	58.6	73.6	126	12	30	70 - 130
Tetrachloroethene	58.6	57.6	98	10	30	70 - 130
Dibromochloromethane	58.6	72.2	123	12	30	70 - 130
Ethylbenzene	58.6	63.6	108	9	30	70 - 130
Chlorobenzene	58.6	65.6	112	10	30	70 - 130
1,1,1,2-Tetrachloroethane	58.6	67.4	115	10	30	70 - 130
m,p-Xylenes	117	126	108	8	30	70 - 130
o-Xylene	117	123	105	9	30	70 - 130
Styrene	117	122	104	9	30	70 - 130
Bromoform	58.6	71.1	121	13	30	70 - 130
Isopropylbenzene	58.6	65.7	112	13	30	70 - 130
1,1,2,2-Tetrachloroethane	58.6	83.0	142	13	30	70 - 130
1,2,3-Trichloropropane	58.6	79.6	136	12	30	70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Client: BRINKERHOFF ENVIRONMENTAL
Project: 138th Street, Bronx, NY; 10BR188
Work Order: 1501974

Matrix:	Solid	Analysis Method:	EPA 8260
Prep Batch:	B5K0509	Prep Method:	EPA 5035A
Percent Solids:	90.00	Laboratory ID:	B5K0509-MS1
		Client Sample ID:	1501985-11

ANALYTE	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC.	QC LIMITS REC.
Acrolein	278	ND	178	64	40 - 160
Acrylonitrile	278	ND	288	104	70 - 130
Acetone	55.6	1.87	62.6	109	40 - 160
Dichlorodifluoromethane	55.6	ND	56.9	102	40 - 160
Chloromethane	55.6	ND	55.1	99	40 - 160
Vinyl chloride	55.6	ND	58.9	106	70 - 130
Bromomethane	55.6	ND	61.3	110	40 - 160
Chloroethane	55.6	ND	60.9	110	40 - 160
Trichlorofluoromethane	55.6	ND	57.9	104	40 - 160
Freon 113	55.6	ND	40.6	73	70 - 130
1,1-Dichloroethene	55.6	ND	45.5	82	70 - 130
Carbon disulfide	55.6	ND	40.0	72	70 - 130
Methyl Acetate	55.6	ND	72.0	130	70 - 130
Methylene Chloride	55.6	22.1	82.9	109	70 - 130
trans-1,2-Dichloroethene	55.6	ND	46.9	84	70 - 130
1,1-Dichloroethane	55.6	ND	53.9	97	70 - 130
2,2-Dichloropropane	55.6	ND	52.0	94	70 - 130
2-Butanone	55.6	ND	57.2	103	40 - 160
cis-1,2-Dichloroethene	55.6	ND	52.6	95	70 - 130
Chloroform	55.6	ND	54.0	97	70 - 130
Bromochloromethane	55.6	ND	55.9	101	70 - 130
Cyclohexane	55.6	ND	35.0	63	70 - 130
1,1,1-Trichloroethane	55.6	ND	51.1	92	70 - 130
t-Butyl alcohol	55.6	ND	604	109	40 - 160
1,1-Dichloropropene	55.6	ND	43.9	79	70 - 130
Carbon Tetrachloride	55.6	ND	46.2	83	70 - 130
1,2-Dichloroethane	55.6	ND	56.5	102	70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Client: BRINKERHOFF ENVIRONMENTAL
 Project: 138th Street, Bronx, NY; 10BR188
 Work Order: 1501974

Matrix:	Solid	Analysis Method:	EPA 8260
Prep Batch:	B5K0509	Prep Method:	EPA 5035A
Percent Solids:	90.00	Laboratory ID:	B5K0509-MS1
		Client Sample ID:	1501985-11

ANALYTE	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC.	QC LIMITS REC.
Benzene	55.6	ND	50.7	91	70 - 130
Trichloroethene	55.6	ND	47.1	85	70 - 130
Methylcyclohexane	55.6	ND	29.2	52	* 70 - 130
1,2-Dichloropropane	55.6	ND	56.5	102	70 - 130
Bromodichloromethane	55.6	ND	54.6	98	70 - 130
Dibromomethane	55.6	ND	55.1	99	70 - 130
2-Chloroethyl vinyl ether	55.6	ND	61.0	110	40 - 160
cis-1,3-Dichloropropene	55.6	ND	53.9	97	70 - 130
Toluene	55.6	ND	47.8	86	70 - 130
trans-1,3-Dichloropropene	55.6	ND	52.8	95	70 - 130
1,1,2-Trichloroethane	55.6	ND	57.0	103	70 - 130
4-Methyl-2-pentanone	55.6	ND	57.7	104	40 - 160
1,2-Dibromoethane	55.6	ND	57.8	104	70 - 130
2-Hexanone	55.6	ND	64.0	115	40 - 160
1,3-Dichloropropane	55.6	ND	62.0	112	70 - 130
Tetrachloroethene	55.6	ND	43.3	78	70 - 130
Dibromochloromethane	55.6	ND	62.8	113	70 - 130
Ethylbenzene	55.6	ND	48.7	88	70 - 130
Chlorobenzene	55.6	ND	52.0	94	70 - 130
1,1,1,2-Tetrachloroethane	55.6	ND	58.8	106	70 - 130
m,p-Xylenes	111	ND	94.3	85	70 - 130
o-Xylene	111	ND	97.6	88	70 - 130
Styrene	111	ND	98.9	89	70 - 130
Bromoform	55.6	ND	61.9	111	70 - 130
Isopropylbenzene	55.6	ND	53.9	97	70 - 130
1,1,2,2-Tetrachloroethane	55.6	ND	77.3	139	* 70 - 130
1,2,3-Trichloropropane	55.6	ND	73.1	132	* 70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Client: BRINKERHOFF ENVIRONMENTAL
 Project: 138th Street, Bronx, NY; 10BR188
 Work Order: 1501974

Matrix:	Solid	Analysis Method:	EPA 8260
Prep Batch:	B5K0509	Prep Method:	EPA 5035A
Percent Solids:	90.00	Laboratory ID:	B5K0509-MS1
		Client Sample ID:	1501985-11

ANALYTE	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC.	QC LIMITS REC.
n-Propyl Benzene	55.6	ND	49.5	89	70 - 130
Bromobenzene	55.6	ND	58.4	105	70 - 130
1,3,5-Trimethylbenzene	55.6	ND	50.4	91	70 - 130
2-Chlorotoluene	55.6	ND	54.9	99	70 - 130
4-Chlorotoluene	55.6	ND	54.2	98	70 - 130
tert-Butylbenzene	55.6	ND	50.0	90	70 - 130
1,2,4-Trimethylbenzene	55.6	ND	51.5	93	70 - 130
sec-Butylbenzene	55.6	ND	44.2	80	70 - 130
p-Isopropyltoluene	55.6	ND	43.9	79	70 - 130
1,3-Dichlorobenzene	55.6	ND	49.2	89	70 - 130
1,4-Dichlorobenzene	55.6	ND	50.0	90	70 - 130
n-Butyl Benzene	55.6	ND	38.9	70	70 - 130
1,2-Dichlorobenzene	55.6	ND	53.5	96	70 - 130
1,2-Dibromo-3-chloropropane	55.6	ND	74.1	133	40 - 160
1,2,4-Trichlorobenzene	55.6	ND	36.2	65	* 70 - 130
Hexachlorobutadiene	55.6	ND	28.4	51	* 70 - 130
Naphthalene	55.6	ND	52.3	94	40 - 160
1,2,3-Trichlorobenzene	55.6	ND	38.5	69	* 70 - 130
Methyl tert-Butyl Ether	111	ND	154	139	* 70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike Dup

Client: BRINKERHOFF ENVIRONMENTAL
Project: 138th Street, Bronx, NY; 10BR188
Work Order: 1501974

Matrix:	Solid	Analysis Method:	EPA 8260
Prep Batch:	B5K0509	Prep Method:	EPA 5035A
Percent Solids:	90.00	Laboratory ID:	B5K0509-MSD1
		Client Sample ID:	1501985-11

ANALYTE	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
Acrolein	278	154	55	15	30	40 - 160
Acrylonitrile	278	295	106	3	30	70 - 130
Acetone	55.6	64.7	113	3	30	40 - 160
Dichlorodifluoromethane	55.6	57.9	104	2	30	40 - 160
Chloromethane	55.6	56.1	101	2	30	40 - 160
Vinyl chloride	55.6	61.0	110	3	30	70 - 130
Bromomethane	55.6	63.0	113	3	30	40 - 160
Chloroethane	55.6	66.4	120	9	30	40 - 160
Trichlorofluoromethane	55.6	60.7	109	5	30	40 - 160
Freon 113	55.6	45.6	82	12	30	70 - 130
1,1-Dichloroethene	55.6	48.1	87	5	30	70 - 130
Carbon disulfide	55.6	43.8	79	9	30	70 - 130
Methyl Acetate	55.6	76.6	138 *	6	30	70 - 130
Methylene Chloride	55.6	81.5	107	2	30	70 - 130
trans-1,2-Dichloroethene	55.6	50.0	90	6	30	70 - 130
1,1-Dichloroethane	55.6	58.3	105	8	30	70 - 130
2,2-Dichloropropane	55.6	55.5	100	6	30	70 - 130
2-Butanone	55.6	60.1	108	5	30	40 - 160
cis-1,2-Dichloroethene	55.6	56.0	101	6	30	70 - 130
Chloroform	55.6	57.7	104	6	30	70 - 130
Bromochloromethane	55.6	60.4	109	8	30	70 - 130
Cyclohexane	55.6	38.1	69 *	9	30	70 - 130
1,1,1-Trichloroethane	55.6	54.6	98	7	30	70 - 130
t-Butyl alcohol	55.6	615	111	2	30	40 - 160
1,1-Dichloropropene	55.6	46.7	84	6	30	70 - 130
Carbon Tetrachloride	55.6	49.7	89	7	30	70 - 130
1,2-Dichloroethane	55.6	58.4	105	3	30	70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike Dup

Client: BRINKERHOFF ENVIRONMENTAL
 Project: 138th Street, Bronx, NY; 10BR188
 Work Order: 1501974

Matrix:	Solid	Analysis Method:	EPA 8260
Prep Batch:	B5K0509	Prep Method:	EPA 5035A
Percent Solids:	90.00	Laboratory ID:	B5K0509-MSD1
		Client Sample ID:	1501985-11

ANALYTE	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
Benzene	55.6	52.8	95	4	30	70 - 130
Trichloroethene	55.6	49.2	89	4	30	70 - 130
Methylcyclohexane	55.6	31.9	57 *	9	30	70 - 130
1,2-Dichloropropane	55.6	58.5	105	3	30	70 - 130
Bromodichloromethane	55.6	57.8	104	6	30	70 - 130
Dibromomethane	55.6	55.8	100	1	30	70 - 130
2-Chloroethyl vinyl ether	55.6	62.4	112	2	30	40 - 160
cis-1,3-Dichloropropene	55.6	55.7	100	3	30	70 - 130
Toluene	55.6	49.9	90	4	30	70 - 130
trans-1,3-Dichloropropene	55.6	55.6	100	5	30	70 - 130
1,1,2-Trichloroethane	55.6	59.4	107	4	30	70 - 130
4-Methyl-2-pentanone	55.6	56.6	102	2	30	40 - 160
1,2-Dibromoethane	55.6	57.9	104	0.06	30	70 - 130
2-Hexanone	55.6	64.1	115	0.2	30	40 - 160
1,3-Dichloropropane	55.6	64.0	115	3	30	70 - 130
Tetrachloroethene	55.6	46.6	84	7	30	70 - 130
Dibromochloromethane	55.6	65.7	118	5	30	70 - 130
Ethylbenzene	55.6	51.2	92	5	30	70 - 130
Chlorobenzene	55.6	54.5	98	5	30	70 - 130
1,1,1,2-Tetrachloroethane	55.6	63.3	114	7	30	70 - 130
m,p-Xylenes	111	99.6	90	5	30	70 - 130
o-Xylene	111	102	92	5	30	70 - 130
Styrene	111	103	93	4	30	70 - 130
Bromoform	55.6	62.5	112	1	30	70 - 130
Isopropylbenzene	55.6	58.1	105	8	30	70 - 130
1,1,1,2-Tetrachloroethane	55.6	78.0	140 *	0.8	30	70 - 130
1,2,3-Trichloropropane	55.6	76.4	138 *	4	30	70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike Dup

Client: BRINKERHOFF ENVIRONMENTAL
 Project: 138th Street, Bronx, NY; 10BR188
 Work Order: 1501974

Matrix:	Solid	Analysis Method:	EPA 8260
Prep Batch:	B5K0509	Prep Method:	EPA 5035A
Percent Solids:	90.00	Laboratory ID:	B5K0509-MSD1
		Client Sample ID:	1501985-11

ANALYTE	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
n-Propyl Benzene	55.6	53.3	96	7	30	70 - 130
Bromobenzene	55.6	62.4	112	7	30	70 - 130
1,3,5-Trimethylbenzene	55.6	53.4	96	6	30	70 - 130
2-Chlorotoluene	55.6	57.6	104	5	30	70 - 130
4-Chlorotoluene	55.6	55.6	100	3	30	70 - 130
tert-Butylbenzene	55.6	52.4	94	5	30	70 - 130
1,2,4-Trimethylbenzene	55.6	55.6	100	8	30	70 - 130
sec-Butylbenzene	55.6	47.2	85	7	30	70 - 130
p-Isopropyltoluene	55.6	47.0	85	7	30	70 - 130
1,3-Dichlorobenzene	55.6	52.2	94	6	30	70 - 130
1,4-Dichlorobenzene	55.6	51.7	93	3	30	70 - 130
n-Butyl Benzene	55.6	41.7	75	7	30	70 - 130
1,2-Dichlorobenzene	55.6	54.3	98	2	30	70 - 130
1,2-Dibromo-3-chloropropane	55.6	72.9	131	2	30	40 - 160
1,2,4-Trichlorobenzene	55.6	37.3	67*	3	30	70 - 130
Hexachlorobutadiene	55.6	30.1	54*	6	30	70 - 130
Naphthalene	55.6	48.6	87	7	30	40 - 160
1,2,3-Trichlorobenzene	55.6	34.7	62*	10	30	70 - 130
Methyl tert-Butyl Ether	111	166	149*	7	30	70 - 130

* Values outside of QC limits



INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
 Work Order: 1501974
 Project: 138th Street, Bronx, NY; 10BR188
 Sequence: S5K0507

Instrument: GC/MS D
 Calibration: 15K1802

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
EP-12 (1501974-01)			<i>Lab File ID: D12899.D</i>		<i>Analyzed: 11/05/15 15:34</i>				
Pentafluorobenzene	433904	6.47	740552	6.46	59	50 - 200	0.0100	+/-0.50	
1,4-Difluorobenzene	778243	7.17	1275644	7.15	61	50 - 200	0.0200	+/-0.50	
Chlorobenzene-d5	536306	11.21	1012725	11.2	53	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	179170	14.2	427329	14.2	42	50 - 200	0.0000	+/-0.50	*

* Values outside of QC limits



INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
 Work Order: 1501974
 Project: 138th Street, Bronx, NY; 10BR188
 Sequence: S5K0304

Instrument: GC/MS D
 Calibration: 15J2804

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
EP-12 (1501974-01RE1)			<i>Lab File ID: D12871.D</i>		<i>Analyzed: 11/03/15 20:18</i>				
Pentafluorobenzene	470607	6.46	864483	6.47	54	50 - 200	-0.0100	+/-0.50	
1,4-Difluorobenzene	825309	7.16	1450281	7.17	57	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	478807	11.21	1170910	11.21	41	50 - 200	0.0000	+/-0.50	*
1,4-Dichlorobenzene-d4	128297	14.2	501911	14.2	26	50 - 200	0.0000	+/-0.50	*

* Values outside of QC limits



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Client: BRINKERHOFF ENVIRONMENTAL
 Work Order: 1501974
 Project: 138th Street, Bronx, NY; 10BR188

Matrix:	Solid	Analysis:	EPA 601D
Batch:	B5K0501	Preparation:	EPA 3050B
% Solids:	99.00	Laboratory ID:	B5K0501-MS1
		Client Sample ID:	1501995-10

ANALYTE	SPIKE ADDED (mg/kg dry)	SAMPLE CONCENTRATION (mg/kg dry)	MS CONCENTRATION (mg/kg dry)	MS % REC.	QC LIMITS REC.
Aluminum	253	8020	15300 *	2900 * *	75 - 125 <i>SRL</i>
Antimony	253	ND	245	96.9	75 - 125
Arsenic	253	11.5	268	101	75 - 125
Barium	253	46.1	317	107	75 - 125
Beryllium	253	0.580	242	95.7	75 - 125
Cadmium	253	0.676	238	94.0	75 - 125
Calcium	253	6320	7780 *	576 * *	75 - 125 <i>SRL</i>
Chromium	253	17.9	265	97.8	75 - 125
Cobalt	253	ND	233	92.2	75 - 125
Copper	253	15.4	267	99.5	75 - 125
Iron	253	17400	19000 *	638 * *	75 - 125 <i>SRL</i>
Lead	253	16.6	240	88.4	75 - 125
Magnesium	253	2680	4240 *	615 * *	75 - 125 <i>SRL</i>
Manganese	253	127	368	95.7	75 - 125
Nickel	253	6.41	237	91.4	75 - 125
Potassium	253	1460	2780 *	522 * *	75 - 125 <i>Spiked too low</i>
Selenium	253	ND	239	94.7	75 - 125
Silver	25.3	ND	25.6	101	75 - 125
Sodium	253	220	612 *	155	75 - 125
Thallium	253	ND	210	83.0	75 - 125
Vanadium	253	30.6	281	99.0	75 - 125
Zinc	253	36.8	260	88.4	75 - 125

** Spiked too low*



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike Dup

Client: BRINKERHOFF ENVIRONMENTAL
 Work Order: 1501974
 Project: 138th Street, Bronx, NY; 10BR188

Matrix:	Solid	Analysis:	EPA 6010
Batch:	B5K0501	Preparation:	EPA 3050B
% Solids:	99.00	Laboratory ID:	B5K0501-MSD1
		Client Sample ID:	1501995-10

ANALYTE	SPIKE ADDED (mg/kg dry)	MSD CONCENTRATION (mg/kg dry)	MSD % REC. #	%	QC LIMITS	
					RPD	REC.
Aluminum	253	14800	2690	* 3.42	20	75 - 125
Antimony	253	244	96.7	0.227	20	75 - 125
Arsenic	253	266	101	0.473	20	75 - 125
Barium	253	306	103	3.62	20	75 - 125
Beryllium	253	241	95.4	0.334	20	75 - 125
Cadmium	253	239	94.2	0.254	20	75 - 125
Calcium	253	8560	886	* 9.58	20	75 - 125
Chromium	253	264	97.5	0.248	20	75 - 125
Cobalt	253	232	91.9	0.391	20	75 - 125
Copper	253	266	99.4	0.0569	20	75 - 125
Iron	253	19100	668	* 0.398	20	75 - 125
Lead	253	239	88.2	0.190	20	75 - 125
Magnesium	253	4750	818	* 11.4	20	75 - 125
Manganese	253	362	93.1	1.84	20	75 - 125
Nickel	253	237	91.3	0.149	20	75 - 125
Potassium	253	2690	487	* 3.21	20	75 - 125
Selenium	253	238	94.3	0.360	20	75 - 125
Silver	25.3	26.0	103	1.63	20	75 - 125
Sodium	253	596	149	2.59	20	75 - 125
Thallium	253	208	82.5	0.604	20	75 - 125
Vanadium	253	280	98.8	0.180	20	75 - 125
Zinc	253	263	89.5	1.06	20	75 - 125

* spiked too low

* Values outside of QC limits



SERIAL DILUTION

EPA 6010

Laboratory: Accredited Analytical Resources LLC	Work Order: 1501974
Client: BRINKERHOFF ENVIRONMENTAL	Project: 138th Street, Bronx, NY; 10BR188
Matrix: Solid	Laboratory ID: S5K0506-SRD1
Sequence: S5K0506	Source: ZZZZZZ

Analyte	Initial Sample Result (I)	Serial Dilution Result (S)	% Difference	Q	QC Limits % Difference
Manganese	127	135	6.13		10.00
Antimony	ND	ND	N/A		10.00
Arsenic	11.5	11.7	2.22		10.00
Barium	46.1	ND	N/A		10.00
Beryllium	0.580	ND	N/A		10.00
Cadmium	0.676	ND	N/A		10.00
Calcium	6320	6690	5.70		10.00
Chromium	17.9	19.0	5.75		10.00
Cobalt	ND	ND	N/A		10.00
Aluminum	8020	8120	1.31		10.00
Magnesium	2680	2800	4.36		10.00
Nickel	6.41	ND	N/A		10.00
Potassium	1460	1460	0.554		10.00
Selenium	ND	ND	N/A		10.00
Silver	ND	ND	N/A		10.00
Sodium	220	ND	N/A		10.00
Thallium	ND	ND	N/A		10.00
Vanadium	30.6	32.0	4.45		10.00
Zinc	36.8	41.4	11.8	*	10.00
Copper	15.4	15.5	0.849		10.00

* Values outside of QC limits

Appendix C

Validator Qualifications

MICHAEL K. PERRY

Chemist/Data Validator

B.S. Chemistry, Georgia State University, Atlanta, GA

A.A.S., Chemical Technology, Alfred State College, Alfred, NY

Mr. Perry has over 30 years of experience in the analytical laboratory business. During his early career, he spent several years as a laboratory analyst performing the analysis of soil, water, and air samples for inorganic and organic chemical parameters. During his last 20 years in the environmental laboratory business, he managed and directed two major analytical laboratories in Rochester, NY. His management responsibilities included oversight of the daily operations of the lab, staff training and supervision, the selection, purchase, and maintenance of analytical instruments, the introduction of new laboratory methods, analytical quality assurance and quality control, data acquisition and management, and other business-related activities.

Mr. Perry has an extensive working knowledge of the methods and procedures used for sampling and analyzing both inorganic and organic analytes in soil, water, and air. He is an accomplished laboratory chemist and is familiar with the analytical methods and procedures established under the USEPA Contract Laboratory Protocols (CLP), the NYSDEC Analytical Services Protocols (ASP), and the NYSDOH Environmental Laboratory Approval Program (ELAP).

KENNETH R. APPLIN
Geochemist/Data Validator

Ph.D., Geochemistry and Mineralogy, The Pennsylvania State University

M.S., Geochemistry and Mineralogy, The Pennsylvania State University

B.A., Geological Sciences, SUNY at Geneseo, NY

Dr. Applin has over 35 years of experience working with the geochemistry of natural waters. His prior experience includes working as an Assistant Professor of Geology at the University of Missouri-Columbia and as Chief Hydrogeologist and Geochemist with a leading engineering firm in Rochester, NY. In 1993, he established KR Applin and Associates, a small consulting business that focuses on the geochemistry of natural waters, especially as applied to problems involving the contamination of groundwater and surface water.

Dr. Applin is also an experienced analytical data validator and has provided data validation services since 1994 to a variety of clients performing brownfield cleanup projects, hazardous waste remediation, groundwater monitoring at solid waste facilities, and other projects requiring third-party data validation. Dr. Applin has several years of hands-on experience with the laboratory analysis of natural waters and has successfully completed the USEPA Region II certification courses for performing inorganic and organic analytical data validation.

DATA USABILITY SUMMARY REPORT (DUSR)

**Former G & C Services
255 East 138th Street
Bronx, NY
NYSDEC BCP # C203057**

SDG: 1502015
2 Soil Samples

Prepared for:

**Brinkerhoff Environmental Services, Inc.
1805 Atlantic Avenue
Manasquan, NJ 08736**

October 2016



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REVIEWER'S NARRATIVE
SDG 1502015

The data associated with this Sample Delivery Group (SDG) 1502015, analyzed by Accredited Analytical Resources, LLC, Carteret, NJ have been reviewed in accordance with assessment criteria provided by the New York State Department of Environmental Conservation following the review procedures provided in the USEPA Functional Guidelines for evaluating organic and inorganic data.

All analytical results reported by the laboratory are considered valid and acceptable except results that have been qualified as rejected, "R". Results qualified as estimated "J", or as non-detects, "U", are considered usable for the purpose of evaluating water and/or soil quality. However, these qualifiers indicate that the accuracy and/or precision of the analytical result is questionable. A summary of all data that have been qualified and the reasons for qualification are provided in the following data usability summary report (DUSR).

Two facts should be noted by all data users. First, the "R" qualifier means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the analyte is present or not. Values qualified with an "R" should not appear on the final data tables because they cannot be relied upon, even as the last resort. Second, no analyte concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error.

Reviewer's Signature: Michael K. Perry Date: 10/24/16
Michael K. Perry
Chemist

1.0 SUMMARY

SITE: 255 East 138th Street.
Bronx , NY

SAMPLING DATE: November 04, 2015

SAMPLE TYPE: 2 soil samples

LABORATORY: Accredited Analytical Resources, LLC.
Carteret, NJ

SDG No.: 1502015

2.0 INTRODUCTION

This data usability summary report (DUSR) was prepared in accordance with guidance provided by the New York State Department of Environmental Conservation (NYSDEC). The DUSR is based on a review and evaluation of the laboratory analytical data package. Specifically, the NYSDEC guidance recommends review and evaluation of the following elements of the data package:

- Completeness of the data package as defined under the requirements of the NYSDEC Analytical Services Protocols (ASP) Category B or the United States Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) deliverables,
- Compliance with established analyte holding times,
- Adherence to quality control (QC) limits and specifications for blanks, instrument tuning and calibration, surrogate recoveries, spike recoveries, laboratory duplicate analyses, and other QC criteria,
- Adherence to established analytical protocols,
- Conformance of data summary sheets with raw analytical data, and
- Use of correct data qualifiers.

Data deficiencies, analytical protocol deviations, and quality control problems identified using the review criteria above and their effect on the analytical results are discussed in this report.

3.0 SAMPLE AND ANALYSIS SUMMARY

The data package consists of analytical results for two soil samples collected on November 4, 2015. These samples were analyzed for volatile organic compounds, semi-volatile organic compounds, pesticides, polychlorinated biphenyls (PCBs), TAL metals, and total cyanide.

All laboratory analyses were performed by Accredited Analytical Resources, LLC., Carteret, NJ and analyzed as SDG 1502015. The analytical results were provided in NYSDEC ASP Category B format, which includes all raw analytical data and laboratory QC data.

4.0 GUIDANCE DOCUMENTS AND DATA REVIEW CRITERIA

The guidance documents used for reviewing laboratory quality control (QC) data and assigning data qualifiers (flags) to analytical results are listed in Table 4-1. The QC limits established in the documents applicable to this data review were used to assess the quality of the analytical results. In some cases, however, QC limits established internally by the laboratory were taken into account to determine data quality.

The QC criteria considered for assessing the usability of the reported analytical results provided for each analyte type (i.e. VOCs, SVOCs, metals, etc.) are listed in Table 4-2. These criteria may vary with the analytical method utilized by the laboratory. These criteria comply with the guidance recommended in Section 2.0 above.

5.0 DATA VALIDATION QUALIFIERS

The letter qualifiers (flags) used to define data usability are described briefly below. These letters are assigned by the data validator to analytical results having questionable accuracy and/or precision as determined by reviewing the laboratory QC data associated with the analytical results.

TABLE 4-1**DATA VALIDATION GUIDANCE DOCUMENTS**

Analyte Type	Validation Guidance
VOCs	USEPA, 2008, Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry; SW-846 Method 8260B; SOP # HW-24, Rev. 2. USEPA, 2008, Statement of Work for Organic Analysis of Low/Medium Concentration of Volatile Organic Compounds SOM01.2; SOP HW-33, Rev. 2.
SVOCs	USEPA, 2007, Statement of Work for Organic Analysis of Low/Medium Concentration of Semivolatile Organic Compounds SOM01.2; SOP HW-35, Rev. 1.
Pesticides/PCBs	USEPA, 2006, CLP Organics Data Review and Preliminary Review (CLP/SOW OLMO 4.3); SOP # HW-6, Rev. 14, Part C.
Metals	USEPA, 2006, Validation of Metals for the Contract Laboratory Program (CLP) based on SOW ILMO 5.3 (SOP Revision 13), SOP # HW-2, Rev. 13.
Gen Chemistry	NYSDEC, 2005, Analytical Services Protocols (ASP)
VOCs (Ambient air)	USEPA, 2006, Validating Air Samples, Volatile Organic Analysis of Ambient Air in Canister by Method TO-15; SOP # HW-31, Rev. 4.

TABLE 4-2

**QUALITY CONTROL CRITERIA USED FOR VALIDATING
LABORATORY ANALYTICAL DATA**

VOCs	SVOCs	Pesticides/PCBs	Metals	Gen Chemistry	Method TO-15
Completeness of Pkg Sample Condition Holding Time System Monitoring Compounds Lab Control Sample Matrix Spikes Blanks Instrument Tuning Internal Standards Initial Calibration Continuing Calibration Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Time Surrogate Recoveries Lab Control Sample Matrix Spikes Blanks Instrument Tuning Internal Standards Initial Calibration Continuing Calibration Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Time Surrogate Recoveries Matrix Spikes Blanks Instrument Calibration & Verification Analyte ID Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Time Initial/Continuing Calibration CRDL Standards Blanks Interference Check Sample Spike Recoveries Lab Duplicate Lab Control Sample ICP Serial Dilutions Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Times Calibration Lab Control Samples Blanks Spike Recoveries Lab Duplicates	Completeness of Pkg Sample Condition Holding Time Canister Certification Lab Control Sample Instrument Tuning Blanks Initial Calibration & System Performance Daily Calibration Field Duplicate

The laboratory may also use various letters and symbols to flag analytical results generated when QC limits were exceeded. The meanings of these flags may differ from those used by the independent data validator. Those used by the laboratory are provided with the analytical results.

NOTE: The assignment of data qualifiers by the data reviewer (validator) to laboratory analytical results should not necessarily be interpreted by the data user as a measure of laboratory ability or proficiency. Rather, the qualifiers are intended to provide a measure of data accuracy and precision to the data user, which, for example, may provide a level of confidence in determining whether or not standards or cleanup objectives have been met.

U The analyte was analyzed for but was not detected at or above the sample quantitation limit.

J The analyte was positively identified; the associated numerical value is the *approximate* concentration of the analyte in the sample. (The magnitude of any \pm value associated with the result is not determined by data validation).

UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is *approximate* and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R The sample result is rejected (i.e., is unusable) due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

N The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".

JN The analyte is considered to be "presumptively present." The associated numerical value represents its *approximate* concentration.

The validated analytical results are attached to this report. Validation qualifiers (flags) are indicated using red ink. Data sheets having qualified data are signed and dated by the data reviewer.

6.0 RESULTS OF THE DATA REVIEW

The results of the data review are summarized in Tables 6-1 through 6-6. The tables list the samples where QC criteria were found to exceed acceptable limits and the actions taken to qualify the associated analytical results.

7.0 TOTAL USABLE DATA

For SDG 1502015, two samples were analyzed and results were reported for 380 analytes. Even though some results were flagged with a "J" as estimated, all results (100 %) are considered usable. See the summary table for the analyses that have been rejected and the associated QC reasons.

Table 6-1 **VOCs**

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
All samples	Acetone Dichlorofluoromethane	J detects	ICV RPD > 20 %	Sample detects are estimated
All samples	Acetone Dichlorofluoromethane Methylene Chloride 1,2-Dibromo-3-chloropropane	UJ non- detects/J detects	CCV % D > 20 %	Samples are estimated

Table 6-2 **SVOCs**

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
All samples	4-Chloroaniline 3-Nitroaniline	"UJ"	LCS < 70 % QC limit	All samples non-detect
All samples	2,4-Dinitrophenol	J detects	ICV > 40 %	All samples non-detect
All samples	2,4-Dinitrophenol	UJ non- detects/J detects	CCV > 40 %	All samples non-detect

Table 6-3 **Pesticides**

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

Table 6-4 PCBs

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

Table 6-5 TAL Metals

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

Table 6-6 Total Cyanide

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

ACRONYMS

BSP	Blank Spike
CCAL	Continuing Calibration
CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification
CRDL	Contract Required Detection Limit
CRQL	Contract Required Quantitation Limit
%D	Percent Difference
ICAL	Initial Calibration
ICB	Initial Calibration Blank
IS	Internal Standard
LCS	Laboratory Control Sample
MS/MSD	Matrix Spike/Matrix Spike Duplicate
QA	Quality Assurance
QC	Quality Control
%R	Percent recovery
RPD	Relative Percent Difference
%RSD	Percent Relative Standard Deviation
TAL	Target Analyte List (metals)
TCL	Target Compound List (organics)

Appendix A

*Validated
Analytical
Results*



Accredited Analytical Resources, LLC.

ANALYTICAL REPORT

for

BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.

Manasquan, NJ 08736

Project: E. 138th Street, Bronx, NY; 10BR188

AAR Work Order: 1502015

<u>Client Sample ID:</u>	<u>Lab Sample ID:</u>
EP-13	1502015-01
EP-9b	1502015-02

This data has been reviewed and accepted by:

Daniel Miguel
Technical Director

12/28/2015

New Jersey Certification Number: 12007
New York Certification Number: 11109
Pennsylvania Certification Number: 68-02798

This report shall not be reproduced, except in its entirety, without the written consent of Accredited Analytical Resources, LLC.
The test results included in this report relate only to the samples analyzed.



Case Narrative

Conformance / Non-Conformance Summary

Accredited Analytical Resources, LLC received 2 sample(s) from BRINKERHOFF ENVIRONMENTAL (Project E. 138th Street, Bronx, NY; 10BR188) on 11/5/2015 4:25:00 PM.

All analyses were performed within the required holding time.

In the Volatile Organic analyses, B5K0916-MS1/MSD1 had compounds recovered outside acceptance criteria due to matrix interference, the LCS was recovered within acceptance limits; therefore, no further action required.

In the BNA analyses, the laboratory control sample (LCS) and/or laboratory control sample duplicate (LCSD) for Batch B5K1009 recovered outside control limits for multiple analytes. These analytes were within house limits; therefore, the data has been reported.

In the Metals analysis the recoveries of the MS/MSD were outside of acceptance criteria. The QC sample had concentrations too high to be able to determine a spike recovery. The LCS was within acceptance criteria for those metals out in the MS/MSD. The results are included in this data package.

Except for the parameters tested AAR makes no representation as to the fitness or quality of the sample (s) taken.

The laboratory has reviewed the quality assurance and quality control measurements for the sample analyses.

Daniel Miguel
Technical Director



Accredited Analytical Resources, LLC.

20 PERSHING AVE, CARTERET, NJ 07008
Tel. 732-969-6112 FAX 732-541-1383
WEB: WWW.ACCREDITEDANALYTICAL.COM

CHAIN OF CUSTODY FORM

CLIENT NAME: Brinkerhoff Environmental
 ADDRESS: 1805 Atlantic Avenue
 CITY: Manasquan
 STATE: NJ ZIP: 08736

STATE AGENCY (CIRCLE ONE): NJ (NY) PA
 PROJECT NAME: E. 138th Street, Branchburg, NJ
 CONTACT: Doug Harm
 OFFICE PHONE #: 732-223-2225
 OFFICE FAX #: 732-223-3666
 INITIAL RESULTS TO: Doug Harm
 EMAIL FOR INVOICE: dharm@brnk.ea.com

AAR QUOTE #: 1502015
 AAR WORK ORDER #: 10BR188
 P.O. #: 10BR188

COLLECTION INFORMATION							ANALYSIS										
CUSTOMER SAMPLE # / ID	DATE / TIME SAMPLED	MATRIX CODE	DEPTH	# OF CONTAINERS	SRAB (G)	COMP (C)	PRES. CODE										AAR SAMPLE #
EP-13	11/11/15 08:50	S	4	6	✓	✓	TAL FULL TCL FULL										-01
EP-96	11/11/15 13:15	S	4	6	✓	✓											-02

MATRIX CODES: S = SOIL A = AQUEOUS GW = GROUND WATER WW = WASTE WATER SW = SURFACE WATER P = POTABLE WATER O = OIL K = SOLID X = OTHER

CONTAINER TYPE CODES: G = GLASS P = PLASTIC E = ENCORE PRESERVATIVES CODES: 1 = HCL 2 = HNO3 3 = H2SO4 4 = NaOH 5 = OTHER

TURNAROUND TIME: (CIRCLE ONE) STANDARD 5 DAY 72 HRS. 48 HRS. 24 HRS. OTHER

REPORT TYPE: RESULTS ONLY REDUCED FULL X EDD EXCEL SPREADSHEET

COMMENTS: Send invoice to Brinkerhoff; NYS DEC Category B data deliverable
COOLER TEMP: 20C

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: Monica Norton SIGN: Monica Norton

SIGN BELOW WHEN DELIVERING SAMPLES, EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY, CUSTODY MUST BE DOCUMENTED.

RELINQUISHED BY: Print Name: <u>Monica Norton</u> Signature: <u>Monica Norton</u> Agent of: Date Received: <u>11/15/15</u> Time: <u>11:40</u>	RECEIVED BY: Print Name: <u>J. Muniz</u> Signature: <u>[Signature]</u> Agent of: Date Received: <u>11/15/15</u> Time: <u>11:40</u>	RELINQUISHED BY: Print Name: <u>[Signature]</u> Signature: <u>[Signature]</u> Agent of: Date Received: <u>11/15/15</u> Time: <u>11:40</u>	RECEIVED BY: Print Name: <u>K. Muniz</u> Signature: <u>[Signature]</u> Agent of: Date Received: <u>11/15/15</u> Time: <u>11:40</u>
RELINQUISHED BY: Print Name: Signature: Agent of: Date Received: / / Time:	RECEIVED BY: Print Name: Signature: Agent of: Date Received: / / Time:	RELINQUISHED BY: Print Name: Signature: Agent of: Date Received: / / Time:	RECEIVED BY: Print Name: Signature: Agent of: Date Received: / / Time:



ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-13
Lab Sample ID: 1502015-01
Project: E. 138th Street, Bronx, NY; 106R188
Work Order: 1502015

Date Sampled:	11/04/15 08:50	Prep Date:	11/09/15 18:31	Matrix:	Soil
Percent Solids:	20.60	Prep Method:	EPA 5035A	File ID:	A7130.D
Prep Batch:	B5K0916	Sequence:	S5K0908	Analyzed:	11/09/15 18:31
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
107-02-8	Acrolein	ND	48.1	80.1	U
107-13-1	Acrylonitrile	ND	16.0	80.1	U
67-64-1	Acetone	71.9 J	8.01	16.0	
75-71-8	Dichlorodifluoromethane	ND UJ	8.01	16.0	U
74-87-3	Chloromethane	ND	8.01	16.0	U
75-01-4	Vinyl chloride	ND	8.01	16.0	U
74-83-9	Bromomethane	ND	8.01	16.0	U
75-00-3	Chloroethane	ND	8.01	16.0	U
75-69-4	Trichlorofluoromethane	ND	8.01	16.0	U
75-35-4	1,1-Dichloroethene	ND	8.01	16.0	U
75-15-0	Carbon disulfide	ND	8.01	16.0	U
75-09-2	Methylene Chloride	ND UJ	8.01	16.0	U
156-60-5	trans-1,2-Dichloroethene	ND	8.01	16.0	U
75-34-3	1,1-Dichloroethane	ND	8.01	16.0	U
108-05-4	Vinyl acetate	ND	8.01	16.0	U
590-20-7	2,2-Dichloropropane	ND	8.01	16.0	U
78-93-3	2-Butanone	ND	8.01	16.0	U
156-59-4	cis-1,2-Dichloroethene	ND	8.01	16.0	U
67-66-3	Chloroform	ND	8.01	16.0	U
74-97-5	Bromochloromethane	ND	8.01	16.0	U
71-55-6	1,1,1-Trichloroethane	ND	8.01	16.0	U
563-58-6	1,1-Dichloropropene	ND	8.01	16.0	U
56-23-5	Carbon Tetrachloride	ND	8.01	16.0	U
107-06-2	1,2-Dichloroethane	ND	8.01	16.0	U
71-43-2	Benzene	ND	8.01	16.0	U

mmp 10/27/16



ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-13
Lab Sample ID: 1502015-01
Project: E. 138th Street, Bronx, NY; 10BR188
Work Order: 1502015

Date Sampled:	11/04/15 08:50	Prep Date:	11/09/15 18:31	Matrix:	Soil
Percent Solids:	20.60	Prep Method:	EPA 5035A	File ID:	A7130.D
Prep Batch:	B5K0916	Sequence:	S5K0908	Analyzed:	11/09/15 18:31
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
79-01-6	Trichloroethene	ND	8.01	16.0	U
78-87-5	1,2-Dichloropropane	ND	8.01	16.0	U
75-27-4	Bromodichloromethane	ND	8.01	16.0	U
74-95-3	Dibromomethane	ND	8.01	16.0	U
110-75-8	2-Chloroethyl vinyl ether	ND	8.01	16.0	U
10061-01-5	cis-1,3-Dichloropropene	ND	8.01	16.0	U
108-88-3	Toluene	ND	8.01	16.0	U
10061-02-6	trans-1,3-Dichloropropene	ND	8.01	16.0	U
79-00-5	1,1,2-Trichloroethane	ND	8.01	16.0	U
108-10-1	4-Methyl-2-pentanone	ND	8.01	16.0	U
106-93-4	1,2-Dibromoethane	ND	8.01	16.0	U
591-78-6	2-Hexanone	ND	8.01	16.0	U
142-28-9	1,3-Dichloropropane	ND	8.01	16.0	U
127-18-4	Tetrachloroethene	ND	8.01	16.0	U
124-48-1	Dibromochloromethane	ND	8.01	16.0	U
100-41-4	Ethylbenzene	ND	8.01	16.0	U
108-90-7	Chlorobenzene	ND	8.01	16.0	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	8.01	16.0	U
108-38-3/106-42	m,p-Xylenes	ND	16.0	32.0	U
95-47-6	o-Xylene	ND	16.0	32.0	U
100-42-5	Styrene	ND	8.01	32.0	U
75-25-2	Bromoform	ND	8.01	16.0	U
98-82-8	Isopropylbenzene	ND	8.01	16.0	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	8.01	16.0	U
96-18-4	1,2,3-Trichloropropane	ND	8.01	16.0	U



ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-13
Lab Sample ID: 1502015-01
Project: E. 138th Street, Bronx, NY; 10BR188
Work Order: 1502015

Date Sampled:	11/04/15 08:50	Prep Date:	11/09/15 18:31	Matrix:	Soil
Percent Solids:	20.60	Prep Method:	EPA 5035A	File ID:	A7130.D
Prep Batch:	B5K0916	Sequence:	S5K0908	Analyzed:	11/09/15 18:31
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
103-65-1	n-Propyl Benzene	ND	8.01	16.0	U
108-86-1	Bromobenzene	ND	8.01	16.0	U
108-67-8	1,3,5-Trimethylbenzene	ND	8.01	16.0	U
95-49-8	2-Chlorotoluene	ND	8.01	16.0	U
106-43-4	4-Chlorotoluene	ND	8.01	16.0	U
98-06-6	tert-Butylbenzene	ND	8.01	16.0	U
95-63-6	1,2,4-Trimethylbenzene	ND	8.01	16.0	U
135-98-8	sec-Butylbenzene	ND	8.01	16.0	U
99-87-6	p-Isopropyltoluene	ND	8.01	16.0	U
541-73-1	1,3-Dichlorobenzene	ND	8.01	16.0	U
106-46-7	1,4-Dichlorobenzene	ND	8.01	16.0	U
104-51-8	n-Butyl Benzene	ND	8.01	16.0	U
95-50-1	1,2-Dichlorobenzene	ND	8.01	16.0	U
96-12-8	1,2-Dibromo-3-chloropropane	ND <i>UJ</i>	8.01	16.0	U
120-82-1	1,2,4-Trichlorobenzene	ND	8.01	16.0	U
87-68-3	Hexachlorobutadiene	ND	8.01	16.0	U
87-61-6	1,2,3-Trichlorobenzene	ND	8.01	16.0	U

<u>Surrogate</u>	<u>% Recovery</u>	<u>Recovery Limits</u>
1,2-Dichloroethane-d4	103%	70-130
Toluene-d8	99%	70-130
Bromofluorobenzene	89%	70-130

* Values outside of QC limits
 ND - Indicates compound analyzed for but not detected
 U - Indicates compound analyzed for but not detected
 J - Indicates estimated value for TICs and all results when detected below the RL
 B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard
 D - Indicates result is based on a dilution
 P - Greater than 25% diff. between 2 GC columns.
 MDL - Minimum detection limit
 RL - Reporting limit

MPD 10/24/16



ANALYSIS DATA SHEET
EPA 8260

Client: **BRINKERHOFF ENVIRONMENTAL**
 Client Sample ID: **EP-9b**
 Lab Sample ID: **1502015-02**
 Project: **E. 138th Street, Bronx, NY; 10BR188**
 Work Order: **1502015**

Date Sampled:	11/04/15 13:15	Prep Date:	11/09/15 20:06	Matrix:	Soil
Percent Solids:	58.00	Prep Method:	EPA 5035A	File ID:	A7133.D
Prep Batch:	B5K0916	Sequence:	S5K0908	Analyzed:	11/09/15 20:06
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
107-02-8	Acrolein	ND	13.8	22.9	U
107-13-1	Acrylonitrile	ND	4.59	22.9	U
67-64-1	Acetone	ND <i>UJ</i>	2.29	4.59	U
75-71-8	Dichlorodifluoromethane	ND	2.29	4.59	U
74-87-3	Chloromethane	ND	2.29	4.59	U
75-01-4	Vinyl chloride	ND	2.29	4.59	U
74-83-9	Bromomethane	ND	2.29	4.59	U
75-00-3	Chloroethane	ND	2.29	4.59	U
75-69-4	Trichlorofluoromethane	ND	2.29	4.59	U
75-35-4	1,1-Dichloroethene	ND	2.29	4.59	U
75-15-0	Carbon disulfide	ND	2.29	4.59	U
75-09-2	Methylene Chloride	ND <i>UJ</i>	2.29	4.59	U
156-60-5	trans-1,2-Dichloroethene	ND	2.29	4.59	U
75-34-3	1,1-Dichloroethane	ND	2.29	4.59	U
108-05-4	Vinyl acetate	ND	2.29	4.59	U
590-20-7	2,2-Dichloropropane	ND	2.29	4.59	U
78-93-3	2-Butanone	ND	2.29	4.59	U
156-59-4	cis-1,2-Dichloroethene	ND	2.29	4.59	U
67-66-3	Chloroform	ND	2.29	4.59	U
74-97-5	Bromochloromethane	ND	2.29	4.59	U
71-55-6	1,1,1-Trichloroethane	ND	2.29	4.59	U
563-58-6	1,1-Dichloropropene	ND	2.29	4.59	U
56-23-5	Carbon Tetrachloride	ND	2.29	4.59	U
107-06-2	1,2-Dichloroethane	ND	2.29	4.59	U
71-43-2	Benzene	ND	2.29	4.59	U



ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-9b
Lab Sample ID: 1502015-02
Project: E. 138th Street, Bronx, NY; 10BR188
Work Order: 1502015

Date Sampled:	11/04/15 13:15	Prep Date:	11/09/15 20:06	Matrix:	Soil
Percent Solids:	58.00	Prep Method:	EPA 5035A	File ID:	A7133.D
Prep Batch:	B5K0916	Sequence:	S5K0908	Analyzed:	11/09/15 20:06
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
79-01-6	Trichloroethene	ND	2.29	4.59	U
78-87-5	1,2-Dichloropropane	ND	2.29	4.59	U
75-27-4	Bromodichloromethane	ND	2.29	4.59	U
74-95-3	Dibromomethane	ND	2.29	4.59	U
110-75-8	2-Chloroethyl vinyl ether	ND	2.29	4.59	U
10061-01-5	cis-1,3-Dichloropropene	ND	2.29	4.59	U
108-88-3	Toluene	ND	2.29	4.59	U
10061-02-6	trans-1,3-Dichloropropene	ND	2.29	4.59	U
79-00-5	1,1,2-Trichloroethane	ND	2.29	4.59	U
108-10-1	4-Methyl-2-pentanone	ND	2.29	4.59	U
106-93-4	1,2-Dibromoethane	ND	2.29	4.59	U
591-78-6	2-Hexanone	ND	2.29	4.59	U
142-28-9	1,3-Dichloropropane	ND	2.29	4.59	U
127-18-4	Tetrachloroethene	ND	2.29	4.59	U
124-48-1	Dibromochloromethane	ND	2.29	4.59	U
100-41-4	Ethylbenzene	ND	2.29	4.59	U
108-90-7	Chlorobenzene	ND	2.29	4.59	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.29	4.59	U
108-38-3/106-42	m,p-Xylenes	ND	4.59	9.17	U
95-47-6	o-Xylene	ND	4.59	9.17	U
100-42-5	Styrene	ND	2.29	9.17	U
75-25-2	Bromoform	ND	2.29	4.59	U
98-82-8	Isopropylbenzene	2.59	2.29	4.59	J
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.29	4.59	U
96-18-4	1,2,3-Trichloropropane	ND	2.29	4.59	U



ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-9b
Lab Sample ID: 1502015-02
Project: E. 138th Street, Bronx, NY; 10BR188
Work Order: 1502015

Date Sampled:	11/04/15 13:15	Prep Date:	11/09/15 20:06	Matrix:	Soil
Percent Solids:	58.00	Prep Method:	EPA 5035A	File ID:	A7133.D
Prep Batch:	B5K0916	Sequence:	SSK0908	Analyzed:	11/09/15 20:06
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
103-65-1	n-Propyl Benzene	4.54	2.29	4.59	J
108-86-1	Bromobenzene	ND	2.29	4.59	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.29	4.59	U
95-49-8	2-Chlorotoluene	ND	2.29	4.59	U
106-43-4	4-Chlorotoluene	ND	2.29	4.59	U
98-06-6	tert-Butylbenzene	ND	2.29	4.59	U
95-63-6	1,2,4-Trimethylbenzene	4.17	2.29	4.59	J
135-98-8	sec-Butylbenzene	ND	2.29	4.59	U
99-87-6	p-Isopropyltoluene	ND	2.29	4.59	U
541-73-1	1,3-Dichlorobenzene	ND	2.29	4.59	U
106-46-7	1,4-Dichlorobenzene	ND	2.29	4.59	U
104-51-8	n-Butyl Benzene	ND	2.29	4.59	U
95-50-1	1,2-Dichlorobenzene	ND	2.29	4.59	U
96-12-8	1,2-Dibromo-3-chloropropane	ND <i>WJ</i>	2.29	4.59	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.29	4.59	U
87-68-3	Hexachlorobutadiene	ND	2.29	4.59	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.29	4.59	U

<u>Surrogate</u>	<u>% Recovery</u>	<u>Recovery Limits</u>
1,2-Dichloroethane-d4	107%	70-130
Toluene-d8	97%	70-130
Bromofluorobenzene	83%	70-130

* Values outside of QC limits
 ND - Indicates compound analyzed for but not detected
 U - Indicates compound analyzed for but not detected
 J - Indicates estimated value for TICs and all results when detected below the RL
 B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard
 D - Indicates result is based on a dilution
 P - Greater than 25% diff. between 2 GC columns.
 MDL - Minimum detection limit
 RL - Reporting limit

WJP 10/24/16



ANALYSIS DATA SHEET
EPA 8270

Client: **BRINKERHOFF ENVIRONMENTAL**
 Client Sample ID: **EP-13**
 Lab Sample ID: **1502015-01**
 Project: **E. 138th Street, Bronx, NY; 10BR188**
 Work Order: **1502015**

Date Sampled:	11/04/15 08:50	Prep Date:	11/10/15 11:59	Matrix:	Soil
Percent Solids:	20.60	Prep Method:	EPA 3550B GCMS	File ID:	F12203.D
Prep Batch:	B5K1009	Sequence:	S5K1113	Analyzed:	11/11/15 18:39
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
62-75-9	N-Nitrosodimethylamine	ND	162	811	U
108-95-2	Phenol	ND	162	811	U
111-44-4	bis(2-chloroethyl)ether	ND	162	811	U
95-57-8	2-Chlorophenol	ND	162	811	U
541-73-1	1,3-Dichlorobenzene	ND	162	811	U
106-46-7	1,4-Dichlorobenzene	ND	162	811	U
100-51-6	Benzyl alcohol	ND	162	811	U
95-50-1	1,2-Dichlorobenzene	ND	162	811	U
95-48-7	2-Methylphenol	ND	162	811	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	162	811	U
106-44-5	3 & 4-Methylphenol	ND	162	811	U
621-64-7	N-Nitroso-di-n-propylamine	ND	162	811	U
67-72-1	Hexachloroethane	ND	162	811	U
98-95-3	Nitrobenzene	ND	162	811	U
78-59-1	Isophorone	ND	162	811	U
88-75-5	2-Nitrophenol	ND	162	811	U
105-67-9	2,4-Dimethylphenol	ND	162	811	U
65-85-0	Benzoic acid	ND	403	1620	U
111-91-1	bis(2-chloroethoxy)methane	ND	162	811	U
120-83-2	2,4-Dichlorophenol	ND	162	811	U
120-82-1	1,2,4-Trichlorobenzene	ND	162	811	U
91-20-3	Naphthalene	ND	162	811	U
106-47-8	4-Chloroaniline	ND	162	811	U
87-68-3	Hexachlorobutadiene	ND	162	811	U
59-50-7	4-Chloro-3-methylphenol	ND	162	811	U



ANALYSIS DATA SHEET
EPA 8270

Client: **BRINKERHOFF ENVIRONMENTAL**
 Client Sample ID: **EP-13**
 Lab Sample ID: **1502015-01**
 Project: **E. 138th Street, Bronx, NY; 10BR188**
 Work Order: **1502015**

Date Sampled:	11/04/15 08:50	Prep Date:	11/10/15 11:59	Matrix:	Soil
Percent Solids:	20.60	Prep Method:	EPA 3550B GCMS	File ID:	F12203.D
Prep Batch:	B5K1009	Sequence:	S5K1113	Analyzed:	11/11/15 18:39
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
91-57-6	2-Methylnaphthylene	ND	162	811	U
77-47-4	Hexachlorocyclopentadiene	ND	162	811	U
88-06-2	2,4,6-Trichlorophenol	ND	162	811	U
95-95-4	2,4,5-Trichlorophenol	ND	162	811	U
91-58-7	2-Chloronaphthalene	ND	162	811	U
88-74-4	2-Nitroaniline	ND	162	811	U
131-11-3	Dimethylphthalate	ND	162	811	U
208-96-8	Acenaphthylene	ND	162	811	U
99-09-2	3-Nitroaniline	ND <i>WJ</i>	162	811	U
83-32-9	Acenaphthene	163	162	811	J
51-28-5	2,4-Dinitrophenol	ND <i>WJ</i>	162	1620	U
100-02-7	4-Nitrophenol	ND	162	811	U
132-64-9	Dibenzofuran	ND	162	811	U
606-20-2	2,6-Dinitrotoluene	ND	162	811	U
121-14-2	2,4-Dinitrotoluene	ND	162	811	U
84-66-2	Diethyl phthalate	ND	162	811	U
7005-72-3	4-Chlorophenyl-phenylether	ND	162	811	U
86-73-7	Fluorene	ND	162	811	U
100-01-6	4-Nitroaniline	ND	162	811	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	162	811	U
86-30-6	N-Nitrosodiphenylamine	ND	162	811	U
101-55-3	4-Bromophenyl-phenylether	ND	162	811	U
118-74-1	Hexachlorobenzene	ND	162	811	U
87-86-5	Pentachlorophenol	ND	162	811	U
85-01-8	Phenanthrene	1240	162	811	



ANALYSIS DATA SHEET
EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-13
Lab Sample ID: 1502015-01
Project: E. 138th Street, Bronx, NY; 10BR188
Work Order: 1502015

Date Sampled:	11/04/15 08:50	Prep Date:	11/10/15 11:59	Matrix:	Soil
Percent Solids:	20.60	Prep Method:	EPA 3550B GCMS	File ID:	F12203.D
Prep Batch:	B5K1009	Sequence:	S5K1113	Analyzed:	11/11/15 18:39
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
120-12-7	Anthracene	273	162	811	J
84-74-2	Di-n-butyl phthalate	ND	162	811	U
206-44-0	Fluoranthene	1120	162	811	
129-00-0	Pyrene	1540	162	811	
85-68-7	Butylbenzylphthalate	ND	162	811	U
91-94-1	3,3'-Dichlorobenzidine	ND	403	811	U
56-55-3	Benzo[a]anthracene	536	162	811	J
117-81-7	bis(2-ethylhexyl)phthalate	ND	162	811	U
218-01-9	Chrysene	638	162	811	J
117-84-0	Di-n-octyl phthalate	ND	162	811	U
205-99-2	Benzo[b]fluoranthene	361	162	811	J
207-08-9	Benzo[k]fluoranthene	371	162	811	J
50-32-8	Benzo[a]pyrene	421	162	811	J
193-39-5	Indeno(1,2,3-cd)pyrene	243	162	811	J
53-70-3	Dibenzo(a,h)anthracene	ND	162	811	U
191-24-2	Benzo[ghi]perylene	272	162	811	J

<u>Surrogate</u>	<u>% Recovery</u>	<u>Recovery Limits</u>
2-Fluorophenol	81%	30-130
Pheno-d5	92%	30-130
Nitrobenzene-d5	86%	30-130
2-Fluorobiphenyl	87%	30-130
2,4,6-Tribromophenol	101%	30-130
Terphenyl-d14	124%	30-130



ANALYSIS DATA SHEET
EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-9b
Lab Sample ID: 1502015-02
Project: E. 138th Street, Bronx, NY; 10BR188
Work Order: 1502015

Date Sampled:	11/04/15 13:15	Prep Date:	11/10/15 11:59	Matrix:	Soil
Percent Solids:	58.00	Prep Method:	EPA 3550B GCMS	File ID:	F12204.D
Prep Batch:	B5K1009	Sequence:	SSK1113	Analyzed:	11/11/15 19:25
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
62-75-9	N-Nitrosodimethylamine	ND	57.4	288	U
108-95-2	Phenol	ND	57.4	288	U
111-44-4	bis(2-chloroethyl)ether	ND	57.4	288	U
95-57-8	2-Chlorophenol	ND	57.4	288	U
541-73-1	1,3-Dichlorobenzene	ND	57.4	288	U
106-46-7	1,4-Dichlorobenzene	ND	57.4	288	U
100-51-6	Benzyl alcohol	ND	57.4	288	U
95-50-1	1,2-Dichlorobenzene	ND	57.4	288	U
95-48-7	2-Methylphenol	ND	57.4	288	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	57.4	288	U
106-44-5	3 & 4-Methylphenol	ND	57.4	288	U
621-64-7	N-Nitroso-di-n-propylamine	ND	57.4	288	U
67-72-1	Hexachloroethane	ND	57.4	288	U
98-95-3	Nitrobenzene	ND	57.4	288	U
78-59-1	Isophorone	ND	57.4	288	U
88-75-5	2-Nitrophenol	ND	57.4	288	U
105-67-9	2,4-Dimethylphenol	ND	57.4	288	U
65-85-0	Benzoic acid	ND	143	574	U
111-91-1	bis(2-chloroethoxy)methane	ND	57.4	288	U
120-83-2	2,4-Dichlorophenol	ND	57.4	288	U
120-82-1	1,2,4-Trichlorobenzene	ND	57.4	288	U
91-20-3	Naphthalene	70.7	57.4	288	J
106-47-8	4-Chloroaniline	ND <i>WJ</i>	57.4	288	U
87-68-3	Hexachlorobutadiene	ND	57.4	288	U
59-50-7	4-Chloro-3-methylphenol	ND	57.4	288	U

JMM 10/24/16



ANALYSIS DATA SHEET
EPA 8270

Client: **BRINKERHOFF ENVIRONMENTAL**
 Client Sample ID: **EP-96**
 Lab Sample ID: **1502015-02**
 Project: **E. 138th Street, Bronx, NY; 10BR188**
 Work Order: **1502015**

Date Sampled:	11/04/15 13:15	Prep Date:	11/10/15 11:59	Matrix:	Soil
Percent Solids:	58.00	Prep Method:	EPA 3550B GCMS	File ID:	F12204.D
Prep Batch:	B5K1009	Sequence:	S5K1113	Analyzed:	11/11/15 19:25
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
91-57-6	2-Methylnaphthylene	ND	57.4	288	U
77-47-4	Hexachlorocyclopentadiene	ND	57.4	288	U
88-06-2	2,4,6-Trichlorophenol	ND	57.4	288	U
95-95-4	2,4,5-Trichlorophenol	ND	57.4	288	U
91-58-7	2-Chloronaphthalene	ND	57.4	288	U
88-74-4	2-Nitroaniline	ND	57.4	288	U
131-11-3	Dimethylphthalate	ND	57.4	288	U
208-96-8	Acenaphthylene	ND	57.4	288	U
99-09-2	3-Nitroaniline	ND <i>WJ</i>	57.4	288	U
83-32-9	Acenaphthene	107	57.4	288	J
51-28-5	2,4-Dinitrophenol	ND <i>WJ</i>	57.4	574	U
100-02-7	4-Nitrophenol	ND	57.4	288	U
132-64-9	Dibenzofuran	ND	57.4	288	U
606-20-2	2,6-Dinitrotoluene	ND	57.4	288	U
121-14-2	2,4-Dinitrotoluene	ND	57.4	288	U
84-66-2	Diethyl phthalate	ND	57.4	288	U
7005-72-3	4-Chlorophenyl-phenylether	ND	57.4	288	U
86-73-7	Fluorene	103	57.4	288	J
100-01-6	4-Nitroaniline	ND	57.4	288	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	57.4	288	U
86-30-6	N-Nitrosodiphenylamine	ND	57.4	288	U
101-55-3	4-Bromophenyl-phenylether	ND	57.4	288	U
118-74-1	Hexachlorobenzene	ND	57.4	288	U
87-86-5	Pentachlorophenol	ND	57.4	288	U
85-01-8	Phenanthrene	1240	57.4	288	



ANALYSIS DATA SHEET
EPA 8270

Client: **BRINKERHOFF ENVIRONMENTAL**
 Client Sample ID: **EP-9b**
 Lab Sample ID: **1502015-02**
 Project: **E. 138th Street, Bronx, NY; 10BR188**
 Work Order: **1502015**

Date Sampled:	11/04/15 13:15	Prep Date:	11/10/15 11:59	Matrix:	Soil
Percent Solids:	58.00	Prep Method:	EPA 3550B GCMS	File ID:	F12204.D
Prep Batch:	B5K1009	Sequence:	S5K1113	Analyzed:	11/11/15 19:25
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
120-12-7	Anthracene	250	57.4	288	J
84-74-2	Di-n-butyl phthalate	ND	57.4	288	U
206-44-0	Fluoranthene	1020	57.4	288	
129-00-0	Pyrene	1440	57.4	288	
85-68-7	Butylbenzylphthalate	ND	57.4	288	U
91-94-1	3,3'-Dichlorobenzidine	ND	143	288	U
56-55-3	Benzo[a]anthracene	498	57.4	288	
117-81-7	bis(2-ethylhexyl)phthalate	ND	57.4	288	U
218-01-9	Chrysene	664	57.4	288	
117-84-0	Di-n-octyl phthalate	ND	57.4	288	U
205-99-2	Benzo[b]fluoranthene	342	57.4	288	
207-08-9	Benzo[k]fluoranthene	320	57.4	288	
50-32-8	Benzo[a]pyrene	393	57.4	288	
193-39-5	Indeno(1,2,3-cd)pyrene	209	57.4	288	J
53-70-3	Dibenzo(a,h)anthracene	97.7	57.4	288	J
191-24-2	Benzo[ghi]perylene	244	57.4	288	J

<u>Surrogate</u>	<u>% Recovery</u>	<u>Recovery Limits</u>
2-Fluorophenol	85%	30-130
Phenol-d5	94%	30-130
Nitrobenzene-d5	90%	30-130
2-Fluorobiphenyl	91%	30-130
2,4,6-Tribromophenol	99%	30-130
Terphenyl-d14	127%	30-130



ANALYSIS DATA SHEET

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-13
Lab Sample ID: 1502015-01
Project: E. 138th Street, Bronx, NY; 10BR188
Work Order: 1502015

Date Sampled:	11/04/15 08:50	Prep Date:	11/10/15 05:32	Matrix:	Soil
Percent Solids:	20.60	Prep Method:	EPA 3550B	File ID:	A20470.D
Prep Batch:	B5K1001	Sequence:	S5K1204	Analyzed:	11/12/15 17:03
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
319-84-6	alpha-BHC	ND	3.20	3.20	U
319-85-7	beta-BHC	ND	3.20	3.20	U
319-86-8	delta-BHC	ND	3.20	3.20	U
58-89-9	gamma-BHC [Lindane]	ND	3.20	3.20	U
76-44-8	Heptachlor	ND	3.20	3.20	U
309-00-2	Aldrin	ND	3.20	3.20	U
1024-57-3	Heptachlor Epoxide	ND	3.20	3.20	U
959-98-8	Endosulfan I	ND	3.20	3.20	U
60-57-1	Dieldrin	ND	6.46	6.46	U
72-55-9	4,4'-DDE	ND	6.46	6.46	U
72-20-8	Endrin	ND	6.46	6.46	U
33213-65-9	Endosulfan II	ND	6.46	6.46	U
72-54-8	4,4'-DDD	ND	6.46	6.46	U
1031-07-8	Endosulfan sulfate	ND	6.46	6.46	U
50-29-3	4,4'-DDT	ND	6.46	6.46	U
72-43-5	Methoxychlor	ND	32.3	32.3	U
53494-70-5	Endrin ketone	ND	6.46	6.46	U
7421-93-4	Endrin aldehyde	ND	6.46	6.46	U
5103-71-9	alpha-Chlordane	ND	3.20	3.20	U
5566-34-7	gamma-Chlordane	ND	3.20	3.20	U
8001-35-2	Toxaphene	ND	162	162	U
12674-11-2	Aroclor-1016	ND	80.6	162	U



ANALYSIS DATA SHEET
EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-13
Lab Sample ID: 1502015-01
Project: E. 138th Street, Bronx, NY; 10BR188
Work Order: 1502015

Date Sampled:	11/04/15 08:50	Prep Date:	11/10/15 05:32	Matrix:	Soil
Percent Solids:	20.60	Prep Method:	EPA 3550B	File ID:	A20470.D
Prep Batch:	B5K1001	Sequence:	S5K1204	Analyzed:	11/12/15 17:03
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
11104-28-2	Aroclor-1221	ND	80.6	162	U
11141-16-5	Aroclor-1232	ND	80.6	162	U
53469-21-9	Aroclor-1242	ND	80.6	162	U
12672-29-6	Aroclor-1248	ND	80.6	162	U
11097-69-1	Aroclor-1254	ND	80.6	162	U
11096-82-5	Aroclor-1260	ND	80.6	162	U
37324-23-5	Aroclor-1262	ND	80.6	162	U
11100-14-4	Aroclor-1268	ND	80.6	162	U

<u>Surrogate</u>	<u>% Recovery</u>	<u>Recovery Limits</u>
Tetrachloro-m-xylene	102%	30-150
Tetrachloro-m-xylene [2C]	85.8%	30-150
Decachlorobiphenyl	90.3%	30-150
Decachlorobiphenyl [2C]	83.5%	30-150

* Values outside of QC limits
 ND - Indicates compound analyzed for but not detected
 U - Indicates compound analyzed for but not detected
 J - Indicates estimated value for TICs and all results when detected below the RL
 B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard
 D - Indicates result is based on a dilution
 P - Greater than 25% diff. between 2 GC columns.
 MDL - Minimum detection limit
 RL - Reporting limit



ANALYSIS DATA SHEET

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-9b
Lab Sample ID: 1502015-02
Project: E. 138th Street, Bronx, NY; 10BR188
Work Order: 1502015

Date Sampled:	11/04/15 13:15	Prep Date:	11/10/15 05:32	Matrix:	Soil
Percent Solids:	58.00	Prep Method:	EPA 3550B	File ID:	A20471.D
Prep Batch:	B5K1001	Sequence:	S5K1204	Analyzed:	11/12/15 17:34
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
319-84-6	alpha-BHC	ND	1.14	1.14	U
319-85-7	beta-BHC	ND	1.14	1.14	U
319-86-8	delta-BHC	ND	1.14	1.14	U
58-89-9	gamma-BHC [Lindane]	ND	1.14	1.14	U
76-44-8	Heptachlor	ND	1.14	1.14	U
309-00-2	Aldrin	ND	1.14	1.14	U
1024-57-3	Heptachlor Epoxide	ND	1.14	1.14	U
959-98-8	Endosulfan I	ND	1.14	1.14	U
60-57-1	Dieldrin	ND	2.29	2.29	U
72-55-9	4,4'-DDE	ND	2.29	2.29	U
72-20-8	Endrin	ND	2.29	2.29	U
33213-85-9	Endosulfan II	ND	2.29	2.29	U
72-54-8	4,4'-DDD	ND	2.29	2.29	U
1031-07-8	Endosulfan sulfate	ND	2.29	2.29	U
50-29-3	4,4'-DDT	ND	2.29	2.29	U
72-43-5	Methoxychlor	ND	11.5	11.5	U
53494-70-5	Endrin ketone	ND	2.29	2.29	U
7421-93-4	Endrin aldehyde	ND	2.29	2.29	U
5103-71-9	alpha-Chlordane	ND	1.14	1.14	U
5586-34-7	gamma-Chlordane	ND	1.14	1.14	U
8001-35-2	Toxaphene	ND	57.4	57.4	U
12674-11-2	Aroclor-1016	ND	28.6	57.4	U



ANALYSIS DATA SHEET

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-9b
Lab Sample ID: 1502015-02
Project: E. 138th Street, Bronx, NY; 10BR188
Work Order: 1502015

Date Sampled:	11/04/15 13:15	Prep Date:	11/10/15 05:32	Matrix:	Soil
Percent Solids:	58.00	Prep Method:	EPA 3550B	File ID:	A20471.D
Prep Batch:	B5K1001	Sequence:	S5K1204	Analyzed:	11/12/15 17:34
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
11104-28-2	Aroclor-1221	ND	28.6	57.4	U
11141-16-5	Aroclor-1232	ND	28.6	57.4	U
53469-21-9	Aroclor-1242	ND	28.6	57.4	U
12672-29-6	Aroclor-1248	ND	28.6	57.4	U
11097-69-1	Aroclor-1254	ND	28.6	57.4	U
11096-82-5	Aroclor-1260	ND	28.6	57.4	U
37324-23-5	Aroclor-1262	ND	28.6	57.4	U
11100-14-4	Aroclor-1268	ND	28.6	57.4	U

<u>Surrogate</u>	<u>% Recovery</u>	<u>Recovery Limits</u>
Tetrachloro-m-xylene	99.5%	30-150
Tetrachloro-m-xylene [2C]	84.4%	30-150
Decachlorobiphenyl	90.2%	30-150
Decachlorobiphenyl [2C]	81.1%	30-150

* Values outside of QC limits

ND - Indicates compound analyzed for but not detected

U - Indicates compound analyzed for but not detected

J - Indicates estimated value for TICs and all results when detected below the RL

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.

MDL - Minimum detection limit

RL - Reporting limit



ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-13
Lab Sample ID: 1502015-01
Project: E. 138th Street, Bronx, NY; 10BR188
Work Order: 1502015

Date Sampled: 11/04/15 08:50	Matrix: Soil
Percent Solids: 20.60	File ID: 110915D-022

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
7429-90-5	Aluminum	3570	97.1	97.1	1		11/09/15 08:47	EPA 3050B	11/09/15 19:03 LIT	EPA 6010
7439-97-6	Mercury	ND	0.364	0.364	1	U	11/09/15 07:46	EPA 7471A	11/09/15 15:32 PRT	EPA 7471
7440-36-0	Antimony	ND	19.4	19.4	1	U	11/09/15 08:47	EPA 3050B	11/09/15 19:03 LIT	EPA 6010
7440-38-2	Arsenic	ND	4.85	4.85	1	U	11/09/15 08:47	EPA 3050B	11/09/15 19:03 LIT	EPA 6010
7440-39-3	Barium	ND	97.1	97.1	1	U	11/09/15 08:47	EPA 3050B	11/09/15 19:03 LIT	EPA 6010
7440-41-7	Beryllium	ND	2.43	2.43	1	U	11/09/15 08:47	EPA 3050B	11/09/15 19:03 LIT	EPA 6010
7440-43-9	Cadmium	ND	2.43	2.43	1	U	11/09/15 08:47	EPA 3050B	11/09/15 19:03 LIT	EPA 6010
7440-70-2	Calcium	22800	121	121	1		11/09/15 08:47	EPA 3050B	11/09/15 19:03 LIT	EPA 6010
7440-47-3	Chromium	ND	9.71	9.71	1	U	11/09/15 08:47	EPA 3050B	11/09/15 19:03 LIT	EPA 6010
7440-48-4	Cobalt	ND	24.3	24.3	1	U	11/09/15 08:47	EPA 3050B	11/09/15 19:03 LIT	EPA 6010
7440-50-8	Copper	27.3	14.6	14.6	1		11/09/15 08:47	EPA 3050B	11/09/15 19:03 LIT	EPA 6010
7439-89-6	Iron	9180	121	121	1		11/09/15 08:47	EPA 3050B	11/09/15 19:03 LIT	EPA 6010
7439-92-1	Lead	10.2	4.85	4.85	1		11/09/15 08:47	EPA 3050B	11/09/15 19:03 LIT	EPA 6010
7439-95-4	Magnesium	10700	243	243	1		11/09/15 08:47	EPA 3050B	11/09/15 19:03 LIT	EPA 6010
7439-96-5	Manganese	211	9.71	9.71	1		11/09/15 08:47	EPA 3050B	11/09/15 19:03 LIT	EPA 6010
7440-02-0	Nickel	ND	19.4	19.4	1	U	11/09/15 08:47	EPA 3050B	11/09/15 19:03 LIT	EPA 6010
7440-09-7	Potassium	762	243	243	1		11/09/15 08:47	EPA 3050B	11/09/15 19:03 LIT	EPA 6010
7782-49-2	Selenium	ND	19.4	19.4	1	U	11/09/15 08:47	EPA 3050B	11/09/15 19:03 LIT	EPA 6010
7440-22-4	Silver	ND	2.43	2.43	1	U	11/09/15 08:47	EPA 3050B	11/09/15 19:03 LIT	EPA 6010
7440-23-5	Sodium	3730	243	243	1		11/09/15 08:47	EPA 3050B	11/09/15 19:03 LIT	EPA 6010
7440-28-0	Thallium	ND	7.28	14.6	1	U	11/09/15 08:47	EPA 3050B	11/09/15 19:03 LIT	EPA 6010
7440-62-2	Vanadium	ND	24.3	24.3	1	U	11/09/15 08:47	EPA 3050B	11/09/15 19:03 LIT	EPA 6010
7440-66-6	Zinc	166	29.1	29.1	1		11/09/15 08:47	EPA 3050B	11/09/15 19:03 LIT	EPA 6010

* Values outside of QC limits

ND - Indicates compound analyzed for but not detected

U - Indicates compound analyzed for but not detected

J - Indicates estimated value for TICs and all results when detected below the RL

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.

MDL - Minimum detection limit

RL - Reporting limit



ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-9b
Lab Sample ID: 1502015-02
Project: E. 138th Street, Bronx, NY; 10BR188
Work Order: 1502015

Date Sampled:	11/04/15 13:15	Matrix:	Soil
Percent Solids:	58.00	File ID:	110915D-023

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
7429-90-5	Aluminum	9520	34.5	34.5	1		11/09/15 08:47	EPA 3050B	11/09/15 19:08 LIT	EPA 6010
7439-97-6	Mercury	ND	0.129	0.129	1	U	11/09/15 07:46	EPA 7471A	11/09/15 15:34 PRT	EPA 7471
7440-36-0	Antimony	ND	6.90	6.90	1	U	11/09/15 08:47	EPA 3050B	11/09/15 19:08 LIT	EPA 6010
7440-38-2	Arsenic	2.41	1.72	1.72	1		11/09/15 08:47	EPA 3050B	11/09/15 19:08 LIT	EPA 6010
7440-39-3	Barium	63.8	34.5	34.5	1		11/09/15 08:47	EPA 3050B	11/09/15 19:08 LIT	EPA 6010
7440-41-7	Beryllium	ND	0.862	0.862	1	U	11/09/15 08:47	EPA 3050B	11/09/15 19:08 LIT	EPA 6010
7440-43-9	Cadmium	ND	0.862	0.862	1	U	11/09/15 08:47	EPA 3050B	11/09/15 19:08 LIT	EPA 6010
7440-70-2	Calcium	10200	43.1	43.1	1		11/09/15 08:47	EPA 3050B	11/09/15 19:08 LIT	EPA 6010
7440-47-3	Chromium	16.6	3.45	3.45	1		11/09/15 08:47	EPA 3050B	11/09/15 19:08 LIT	EPA 6010
7440-48-4	Cobalt	ND	8.62	8.62	1	U	11/09/15 08:47	EPA 3050B	11/09/15 19:08 LIT	EPA 6010
7440-50-8	Copper	23.2	5.17	5.17	1		11/09/15 08:47	EPA 3050B	11/09/15 19:08 LIT	EPA 6010
7439-89-6	Iron	15400	43.1	43.1	1		11/09/15 08:47	EPA 3050B	11/09/15 19:08 LIT	EPA 6010
7439-92-1	Lead	31.5	1.72	1.72	1		11/09/15 08:47	EPA 3050B	11/09/15 19:08 LIT	EPA 6010
7439-95-4	Magnesium	7330	86.2	86.2	1		11/09/15 08:47	EPA 3050B	11/09/15 19:08 LIT	EPA 6010
7439-96-5	Manganese	274	3.45	3.45	1		11/09/15 08:47	EPA 3050B	11/09/15 19:08 LIT	EPA 6010
7440-02-0	Nickel	14.7	6.90	6.90	1		11/09/15 08:47	EPA 3050B	11/09/15 19:08 LIT	EPA 6010
7440-09-7	Potassium	1490	86.2	86.2	1		11/09/15 08:47	EPA 3050B	11/09/15 19:08 LIT	EPA 6010
7782-49-2	Selenium	ND	6.90	6.90	1	U	11/09/15 08:47	EPA 3050B	11/09/15 19:08 LIT	EPA 6010
7440-22-4	Silver	ND	0.862	0.862	1	U	11/09/15 08:47	EPA 3050B	11/09/15 19:08 LIT	EPA 6010
7440-23-5	Sodium	447	86.2	86.2	1		11/09/15 08:47	EPA 3050B	11/09/15 19:08 LIT	EPA 6010
7440-28-0	Thallium	ND	2.59	5.17	1	U	11/09/15 08:47	EPA 3050B	11/09/15 19:08 LIT	EPA 6010
7440-62-2	Vanadium	25.3	8.62	8.62	1		11/09/15 08:47	EPA 3050B	11/09/15 19:08 LIT	EPA 6010
7440-66-6	Zinc	62.4	10.3	10.3	1		11/09/15 08:47	EPA 3050B	11/09/15 19:08 LIT	EPA 6010

* Values outside of QC limits

ND - Indicates compound analyzed for but not detected

U - Indicates compound analyzed for but not detected

J - Indicates estimated value for TICs and all results when detected below the RL

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.

MDL - Minimum detection limit

RL - Reporting limit



ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-13
Lab Sample ID: 1502015-01
Project: E. 138th Street, Bronx, NY; 10BR188
Work Order: 1502015

Date Sampled:	11/04/15 08:50	Matrix:	Soil
Percent Solids:	20.60	File ID:	

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
NA	Cyanide (total)	ND	4.85	4.85	1	U	11/10/15 10:00	EPA 9010C	11/11/15 16:14 NNM	EPA 9014

CAS NO.	Analyte	Concentration (%)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
NA	Percent Solids	20.6	0.100	0.100	1		11/09/15 12:00	Percent Solids	11/10/15 10:30 CLD	SM 2540 G

* Values outside of QC limits

ND - Indicates compound analyzed for but not detected

U - Indicates compound analyzed for but not detected

J - Indicates estimated value for TICs and all results when detected below the RL

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.

MDL - Minimum detection limit

RL - Reporting limit



ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-9b
Lab Sample ID: 1502015-02
Project: E. 138th Street, Bronx, NY; 10BR188
Work Order: 1502015

Date Sampled: 11/04/15 13:15	Matrix: Soil
Percent Solids: 58.00	File ID:

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
NA	Cyanide (total)	ND	1.72	1.72	1	U	11/10/15 10:00	EPA 9010C	11/11/15 16:14 NNM	EPA 9014

CAS NO.	Analyte	Concentration (%)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
NA	Percent Solids	58.0	0.100	0.100	1		11/09/15 12:00	Percent Solids	11/10/15 10:30 CLD	SM 2540 G

* Values outside of QC limits

ND - Indicates compound analyzed for but not detected

U - Indicates compound analyzed for but not detected

J - Indicates estimated value for TICs and all results when detected below the RL

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.

MDL - Minimum detection limit

RL - Reporting limit

Appendix B

***Laboratory
QC
Documentation***



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Client: BRINKERHOFF ENVIRONMENTAL
Project: E. 138th Street, Bronx, NY; 10BR188
Work Order: 1502015

Matrix:	Solid	Analysis Method:	EPA 8260
Prep Batch:	B5K0916	Prep Method:	EPA 5035A
Percent Solids:	72.30	Laboratory ID:	B5K0916-MS1
		Client Sample ID:	1501985-07

ANALYTE	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC.	QC LIMITS REC.
Acrolein	346	ND	158	46	40 - 160
Acrylonitrile	346	ND	311	90	70 - 130
Acetone	69.2	ND	62.7	91	40 - 160
Dichlorodifluoromethane	69.2	ND	46.3	67	40 - 160
Chloromethane	69.2	ND	57.6	83	40 - 160
Vinyl chloride	69.2	ND	59.8	86	70 - 130
Bromomethane	69.2	ND	79.8	115	40 - 160
Chloroethane	69.2	ND	67.7	98	40 - 160
Trichlorofluoromethane	69.2	ND	60.2	87	40 - 160
Freon 113	69.2	ND	41.8	60	* 70 - 130
1,1-Dichloroethene	69.2	ND	53.9	78	70 - 130
Carbon disulfide	69.2	ND	42.7	62	* 70 - 130
Methyl Acetate	69.2	ND	77.2	112	70 - 130
Methylene Chloride	69.2	ND	44.9	65	* 70 - 130
trans-1,2-Dichloroethene	69.2	ND	48.9	71	70 - 130
1,1-Dichloroethane	69.2	ND	56.3	81	70 - 130
2,2-Dichloropropane	69.2	ND	55.4	80	70 - 130
2-Butanone	69.2	ND	50.6	73	40 - 160
cis-1,2-Dichloroethene	69.2	ND	55.3	80	70 - 130
Chloroform	69.2	ND	58.4	84	70 - 130
Bromochloromethane	69.2	ND	62.7	91	70 - 130
Cyclohexane	69.2	ND	44.6	65	* 70 - 130
1,1,1-Trichloroethane	69.2	ND	56.1	81	70 - 130
t-Butyl alcohol	69.2	ND	63.2	91	40 - 160
1,1-Dichloropropene	69.2	ND	55.1	80	70 - 130
Carbon Tetrachloride	69.2	ND	58.5	85	70 - 130
1,2-Dichloroethane	69.2	ND	62.6	90	70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Client: **BRINKERHOFF ENVIRONMENTAL**
 Project: **E. 138th Street, Bronx, NY; 10BR188**
 Work Order: **1502015**

Matrix:	Solid	Analysis Method:	EPA 8260
Prep Batch:	B5K0916	Prep Method:	EPA 5035A
Percent Solids:	72.30	Laboratory ID:	B5K0916-MS1
		Client Sample ID:	1501985-07

ANALYTE	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC.	QC LIMITS REC.
Benzene	69.2	ND	58.2	84	70 - 130
Trichloroethene	69.2	ND	80.1	116	70 - 130
Methylcyclohexane	69.2	ND	46.4	67	* 70 - 130
1,2-Dichloropropane	69.2	ND	64.4	93	70 - 130
Bromodichloromethane	69.2	ND	64.2	93	70 - 130
Dibromomethane	69.2	ND	65.4	95	70 - 130
2-Chloroethyl vinyl ether	69.2	ND	68.9	100	40 - 160
cis-1,3-Dichloropropene	69.2	ND	62.4	90	70 - 130
Toluene	69.2	ND	59.8	87	70 - 130
trans-1,3-Dichloropropene	69.2	ND	63.9	92	70 - 130
1,1,2-Trichloroethane	69.2	ND	68.7	99	70 - 130
4-Methyl-2-pentanone	69.2	ND	65.7	95	40 - 160
1,2-Dibromoethane	69.2	ND	66.9	97	70 - 130
2-Hexanone	69.2	ND	55.8	81	40 - 160
1,3-Dichloropropane	69.2	ND	65.4	95	70 - 130
Tetrachloroethene	69.2	ND	59.8	86	70 - 130
Dibromochloromethane	69.2	ND	68.0	98	70 - 130
Ethylbenzene	69.2	ND	62.5	90	70 - 130
Chlorobenzene	69.2	ND	63.7	92	70 - 130
1,1,1,2-Tetrachloroethane	69.2	ND	66.5	96	70 - 130
m,p-Xylenes	138	ND	121	87	70 - 130
o-Xylene	138	ND	125	90	70 - 130
Styrene	138	ND	130	94	70 - 130
Bromoform	69.2	ND	70.9	103	70 - 130
Isopropylbenzene	69.2	ND	61.7	89	70 - 130
1,1,2,2-Tetrachloroethane	69.2	ND	44.8	65	* 70 - 130
1,2,3-Trichloropropane	69.2	ND	74.1	107	70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Client: BRINKERHOFF ENVIRONMENTAL
Project: E. 138th Street, Bronx, NY; 10BR188
Work Order: 1502015

Matrix:	Solid	Analysis Method:	EPA 8260
Prep Batch:	B5K0916	Prep Method:	EPA 5035A
Percent Solids:	72.30	Laboratory ID:	B5K0916-MS1
		Client Sample ID:	1501985-07

ANALYTE	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC.	QC LIMITS REC.
n-Propyl Benzene	69.2	ND	60.5	88	70 - 130
Bromobenzene	69.2	ND	64.0	93	70 - 130
1,3,5-Trimethylbenzene	69.2	ND	62.2	90	70 - 130
2-Chlorotoluene	69.2	ND	62.6	90	70 - 130
4-Chlorotoluene	69.2	ND	62.4	90	70 - 130
tert-Butylbenzene	69.2	ND	63.5	92	70 - 130
1,2,4-Trimethylbenzene	69.2	ND	61.1	88	70 - 130
sec-Butylbenzene	69.2	ND	60.3	87	70 - 130
p-Isopropyltoluene	69.2	ND	61.4	89	70 - 130
1,3-Dichlorobenzene	69.2	ND	64.9	94	70 - 130
1,4-Dichlorobenzene	69.2	ND	67.3	97	70 - 130
n-Butyl Benzene	69.2	ND	57.1	83	70 - 130
1,2-Dichlorobenzene	69.2	ND	66.7	96	70 - 130
1,2-Dibromo-3-chloropropane	69.2	ND	68.4	99	40 - 160
1,2,4-Trichlorobenzene	69.2	ND	59.4	86	70 - 130
Hexachlorobutadiene	69.2	ND	49.9	72	70 - 130
Naphthalene	69.2	ND	67.6	98	40 - 160
1,2,3-Trichlorobenzene	69.2	ND	60.6	88	70 - 130
Methyl tert-Butyl Ether	138	ND	125	91	70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike Dup

Client: BRINKERHOFF ENVIRONMENTAL
 Project: E. 138th Street, Bronx, NY; 10BR188
 Work Order: 1502015

Matrix:	Solid	Analysis Method:	EPA 8260
Prep Batch:	B5K0916	Prep Method:	EPA 5035A
Percent Solids:	72.30	Laboratory ID:	B5K0916-MSD1
		Client Sample ID:	1501985-07

ANALYTE	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
Acrolein	346	131	38 *	19	30	40 - 160
Acrylonitrile	346	309	89	0.6	30	70 - 130
Acetone	69.2	65.9	95	5	30	40 - 160
Dichlorodifluoromethane	69.2	46.5	67	0.4	30	40 - 160
Chloromethane	69.2	57.0	82	1	30	40 - 160
Vinyl chloride	69.2	61.4	89	3	30	70 - 130
Bromomethane	69.2	78.4	113	2	30	40 - 160
Chloroethane	69.2	67.2	97	0.8	30	40 - 160
Trichlorofluoromethane	69.2	61.5	89	2	30	40 - 160
Freon 113	69.2	43.9	63 *	5	30	70 - 130
1,1-Dichloroethene	69.2	56.6	82	5	30	70 - 130
Carbon disulfide	69.2	45.2	65 *	6	30	70 - 130
Methyl Acetate	69.2	66.5	96	15	30	70 - 130
Methylene Chloride	69.2	51.8	75	14	30	70 - 130
trans-1,2-Dichloroethene	69.2	53.7	78	9	30	70 - 130
1,1-Dichloroethane	69.2	60.3	87	7	30	70 - 130
2,2-Dichloropropane	69.2	61.3	89	10	30	70 - 130
2-Butanone	69.2	55.2	80	9	30	40 - 160
cis-1,2-Dichloroethene	69.2	57.8	84	4	30	70 - 130
Chloroform	69.2	63.1	91	8	30	70 - 130
Bromochloromethane	69.2	70.2	102	11	30	70 - 130
Cyclohexane	69.2	46.3	67 *	4	30	70 - 130
1,1,1-Trichloroethane	69.2	60.6	88	8	30	70 - 130
t-Butyl alcohol	69.2	721	104	13	30	40 - 160
1,1-Dichloropropene	69.2	53.8	78	2	30	70 - 130
Carbon Tetrachloride	69.2	57.5	83	2	30	70 - 130
1,2-Dichloroethane	69.2	63.8	92	2	30	70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike Dup

Client: BRINKERHOFF ENVIRONMENTAL
 Project: E. 138th Street, Bronx, NY; 10BR188
 Work Order: 1502015

Matrix:	Solid	Analysis Method:	EPA 8260
Prep Batch:	B5K0916	Prep Method:	EPA 5035A
Percent Solids:	72.30	Laboratory ID:	B5K0916-MSD1
		Client Sample ID:	1501985-07

ANALYTE	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
Benzene	69.2	58.7	85	0.8	30	70 - 130
Trichloroethene	69.2	91.8	133	14	30	70 - 130
Methylcyclohexane	69.2	43.3	63	7	30	70 - 130
1,2-Dichloropropane	69.2	61.9	90	4	30	70 - 130
Bromodichloromethane	69.2	64.9	94	1	30	70 - 130
Dibromomethane	69.2	67.3	97	3	30	70 - 130
2-Chloroethyl vinyl ether	69.2	66.8	97	3	30	40 - 160
cis-1,3-Dichloropropene	69.2	61.9	89	0.9	30	70 - 130
Toluene	69.2	58.9	85	2	30	70 - 130
trans-1,3-Dichloropropene	69.2	62.6	91	2	30	70 - 130
1,1,2-Trichloroethane	69.2	69.6	101	1	30	70 - 130
4-Methyl-2-pentanone	69.2	65.8	95	0.02	30	40 - 160
1,2-Dibromoethane	69.2	70.1	101	5	30	70 - 130
2-Hexanone	69.2	55.6	80	0.3	30	40 - 160
1,3-Dichloropropane	69.2	67.3	97	3	30	70 - 130
Tetrachloroethene	69.2	58.6	85	2	30	70 - 130
Dibromochloromethane	69.2	65.5	95	4	30	70 - 130
Ethylbenzene	69.2	60.9	88	2	30	70 - 130
Chlorobenzene	69.2	62.5	90	2	30	70 - 130
1,1,1,2-Tetrachloroethane	69.2	66.8	97	0.4	30	70 - 130
m,p-Xylenes	138	121	88	0.2	30	70 - 130
o-Xylene	138	124	89	0.9	30	70 - 130
Styrene	138	131	95	0.8	30	70 - 130
Bromoform	69.2	67.8	98	4	30	70 - 130
Isopropylbenzene	69.2	63.6	92	3	30	70 - 130
1,1,2,2-Tetrachloroethane	69.2	29.7	43	41	30	70 - 130
1,2,3-Trichloropropane	69.2	78.9	114	6	30	70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike Dup

Client: BRINKERHOFF ENVIRONMENTAL
 Project: E. 138th Street, Bronx, NY; 10BR188
 Work Order: 1502015

Matrix:	Solid	Analysis Method:	EPA 8260
Prep Batch:	BSK0916	Prep Method:	EPA 5035A
Percent Solids:	72.30	Laboratory ID:	BSK0916-MSD1
		Client Sample ID:	1501985-07

ANALYTE	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
n-Propyl Benzene	69.2	60.6	88	0.07	30	70 - 130
Bromobenzene	69.2	67.1	97	5	30	70 - 130
1,3,5-Trimethylbenzene	69.2	61.3	89	2	30	70 - 130
2-Chlorotoluene	69.2	64.4	93	3	30	70 - 130
4-Chlorotoluene	69.2	62.7	91	0.5	30	70 - 130
tert-Butylbenzene	69.2	63.3	92	0.2	30	70 - 130
1,2,4-Trimethylbenzene	69.2	61.5	89	0.7	30	70 - 130
sec-Butylbenzene	69.2	59.7	86	1	30	70 - 130
p-Isopropyltoluene	69.2	59.7	86	3	30	70 - 130
1,3-Dichlorobenzene	69.2	65.1	94	0.2	30	70 - 130
1,4-Dichlorobenzene	69.2	67.2	97	0.2	30	70 - 130
n-Butyl Benzene	69.2	54.8	79	4	30	70 - 130
1,2-Dichlorobenzene	69.2	67.1	97	0.7	30	70 - 130
1,2-Dibromo-3-chloropropane	69.2	74.6	108	9	30	40 - 160
1,2,4-Trichlorobenzene	69.2	55.1	80	7	30	70 - 130
Hexachlorobutadiene	69.2	46.2	67 *	8	30	70 - 130
Naphthalene	69.2	67.2	97	0.7	30	40 - 160
1,2,3-Trichlorobenzene	69.2	55.4	80	9	30	70 - 130
Methyl tert-Butyl Ether	138	135	98	7	30	70 - 130



INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8260

Client: **BRINKERHOFF ENVIRONMENTAL**
 Work Order: **1502015**
 Project: **E. 138th Street, Bronx, NY; 10BR188**

Calibration:	15L0101	Instrument:	GC/MS A
		Calibration Date:	11/6/2015 4:17:36PM

COMPOUND	Mean RF	RF RSD	LIMIT	Q
Acrolein	2.137027E-02	10.17816		
Acrylonitrile	0.1235944	12.43066		
Acetone	0.3496282	68.75781		
Dichlorodifluoromethane	0.4261929	20.67822		
Chloromethane	1.022318	9.523927	SPCC (0.1)	
Vinyl chloride	1.103206	7.305518	CCC (20)	
Bromomethane	0.5713808	6.029279		
Chloroethane	0.8560252	6.551064		
Trichlorofluoromethane	1.034544	3.969049		
Freon 113	0.7822028	6.25262		
1,1-Dichloroethene	1.184625	5.710345	CCC (20)	
Carbon disulfide	2.03671	9.887925		
Methyl Acetate	0.4467055	7.729437		
Methylene Chloride	3.208522	102.164		
trans-1,2-Dichloroethene	1.26861	4.983835		
1,1-Dichloroethane	1.088464	7.263493	SPCC (0.1)	
Vinyl acetate	1.02151	6.612017		
2,2-Dichloropropane	0.7740019	6.311858		
2-Butanone	0.2320511	14.04553		
cis-1,2-Dichloroethene	0.8463032	5.197746		
Chloroform	0.9607204	5.625595	CCC (20)	
Bromochloromethane	0.2935599	11.03466		
Cyclohexane	1.271303	5.153821		
1,1,1-Trichloroethane	0.7180916	4.304741		
t-Butyl alcohol	4.114758E-02	2.684409		



CONTINUING CALIBRATION VERIFICATION

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
 Work Order: 1502015
 Project: E. 138th Street, Bronx, NY; 10BR188

Instrument ID: GC/MS A	Calibration: 15L0101
Lab File ID: A7114.D	Calibration Date: 11/06/15 16:17
Sequence: S5K0908	Injection Date: 11/09/15
Lab Sample ID: S5K0908-CCV1	Injection Time: 10:04

COMPOUND	TYPE	CONC. (ug/L)		RESPONSE FACTOR			% DIFF	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acrolein	A	250	254	2.137027E-02	2.170896E-02		1.6	
Acrylonitrile	A	250	273	0.1235944	0.1349117		9.2	
Acetone	L	50.0	59.7	0.3496282	0.248444		-28.9	
Dichlorodifluoromethane	Q	50.0	40.6	0.4261929	0.3239271		-24.0	
Chloromethane	A	50.0	43.9	1.022318	0.8974052	0.1	-12.2	
Vinyl chloride	A	50.0	48.5	1.103206	1.070738		-2.9	20
Bromomethane	A	50.0	59.0	0.5713808	0.6739824		18.0	
Chloroethane	A	50.0	44.1	0.8560252	0.755778		-11.7	
Trichlorofluoromethane	A	50.0	52.2	1.034544	1.079731		4.4	
Freon 113	A	50.0	41.6	0.7822028	0.6499729		-16.9	
1,1-Dichloroethene	A	50.0	54.2	1.184625	1.28401		8.4	20
Carbon disulfide	A	50.0	44.2	2.03671	1.798531		-11.7	
Methyl Acetate	A	50.0	52.0	0.4467055	0.4650438		4.1	
Methylene Chloride	L	50.0	57.3	3.208522	1.73436		-45.9	
trans-1,2-Dichloroethene	A	50.0	49.1	1.26861	1.244788		-1.9	
1,1-Dichloroethane	A	50.0	48.1	1.088464	1.046785	0.1	-3.8	
Vinyl acetate	A	50.0	46.0	1.02151	0.9394408		-8.0	
2,2-Dichloropropane	A	50.0	49.1	0.7740019	0.7602418		-1.8	
2-Butanone	A	50.0	43.2	0.2320511	0.2003248		-13.7	
cis-1,2-Dichloroethene	A	50.0	48.4	0.8463032	0.8198985		-3.1	
Chloroform	A	50.0	49.6	0.9607204	0.952341		-0.9	20
Bromochloromethane	A	50.0	54.1	0.2935599	0.3173973		8.1	
Cyclohexane	A	50.0	45.6	1.271303	1.159419		-8.8	



CONTINUING CALIBRATION VERIFICATION

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
 Work Order: 1502015
 Project: E. 138th Street, Bronx, NY; 10BR188

Instrument ID: GC/MS A	Calibration: 15L0101
Lab File ID: A7114.D	Calibration Date: 11/06/15 16:17
Sequence: S5K0908	Injection Date: 11/09/15
Lab Sample ID: S5K0908-CCV1	Injection Time: 10:04

COMPOUND	TYPE	CONC. (ug/L)		RESPONSE FACTOR			% DIFF	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Chlorobenzene	A	50.0	53.5	0.999786	1.069607	0.3	7.0	
1,1,1,2-Tetrachloroethane	A	50.0	54.9	0.3371069	0.3703986		9.9	
m,p-Xylenes	A	100	109	1.356287	1.482005		9.3	
o-Xylene	A	100	112	1.322761	1.478113		11.7	
Styrene	A	100	112	1.070162	1.202321		12.3	
Bromoform	A	50.0	57.0	0.1809944	0.2064516	0.1	14.1	
Isopropylbenzene	A	50.0	51.5	3.80109	3.916535		3.0	
1,1,2,2-Tetrachloroethane	A	50.0	52.0	0.655339	0.6820082	0.3	4.1	
1,2,3-Trichloropropane	A	50.0	54.1	0.4471043	0.4841318		8.3	
n-Propyl Benzene	A	50.0	51.8	4.842469	5.019468		3.7	
Bromobenzene	A	50.0	50.3	1.311501	1.320205		0.7	
1,3,5-Trimethylbenzene	A	50.0	51.9	2.824222	2.931425		3.8	
2-Chlorotoluene	A	50.0	52.1	2.518745	2.624534		4.2	
4-Chlorotoluene	A	50.0	51.2	2.914546	2.983314		2.4	
tert-Butylbenzene	A	50.0	54.2	2.448908	2.656831		8.5	
1,2,4-Trimethylbenzene	A	50.0	53.0	2.855662	3.02551		5.9	
sec-Butylbenzene	A	50.0	53.6	4.07553	4.36574		7.1	
p-Isopropyltoluene	A	50.0	54.6	3.166173	3.457557		9.2	
1,3-Dichlorobenzene	A	50.0	54.7	1.618647	1.770579		9.4	
1,4-Dichlorobenzene	A	50.0	54.3	1.582691	1.717553		8.5	
n-Butyl Benzene	A	50.0	54.5	3.446652	3.759301		9.1	
1,2-Dichlorobenzene	A	50.0	54.1	1.402481	1.517718		8.2	
1,2-Dibromo-3-chloropropane	L	50.0	57.0	9.085148E-02	0.1098535		20.9	



LCS / LCS DUPLICATE RECOVERY

EPA 8270

Client: **BRINKERHOFF ENVIRONMENTAL**
 Project: **E. 138th Street, Bronx, NY; 10BR188**
 Work Order: **1502015**

Matrix:	Solid	Prep Method:	EPA 3550B GCMS
Prep Batch:	B5K1009	Lab Sample ID:	B5K1009-BS1

ANALYTE	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC.	QC LIMITS REC.
Pyridine	1670	1350	81	20 - 160
N-Nitrosodimethylamine	1670	1410	85	20 - 160
Aniline	1670	1360	82	20 - 160
Phenol	1670	1630	98	20 - 160
bis(2-chloroethyl)ether	1670	1660	100	70 - 130
2-Chlorophenol	1670	1690	102	70 - 130
1,3-Dichlorobenzene	1670	1580	95	70 - 130
1,4-Dichlorobenzene	1670	1610	97	70 - 130
Benzyl alcohol	1670	1650	99	20 - 160
1,2-Dichlorobenzene	1670	1780	107	70 - 130
2-Methylphenol	1670	1670	100	20 - 160
bis(2-chloroisopropyl)ether	1670	1920	115	70 - 130
3 & 4-Methylphenol	1670	1760	105	20 - 160
N-Nitroso-di-n-propylamine	1670	1590	95	70 - 130
Hexachloroethane	1670	1540	92	20 - 160
Nitrobenzene	1670	1580	95	70 - 130
Isophorone	1670	1570	94	70 - 130
2-Nitrophenol	1670	1590	95	70 - 130
2,4-Dimethylphenol	1670	1650	99	70 - 130
bis(2-chloroethoxy)methane	1670	1620	97	70 - 130
2,4-Dichlorophenol	1670	1640	98	70 - 130
1,2,4-Trichlorobenzene	1670	1580	95	70 - 130
Naphthalene	1670	1590	95	70 - 130
4-Chloroaniline	1670	440	26	70 - 130
Hexachlorobutadiene	1670	1570	94	70 - 130
4-Chloro-3-methylphenol	1670	1770	106	70 - 130
2-Methylnaphthylene	1670	1580	95	70 - 130
Hexachlorocyclopentadiene	1670	1710	103	20 - 160



LCS / LCS DUPLICATE RECOVERY

EPA 8270

Client: **BRINKERHOFF ENVIRONMENTAL**
 Project: **E. 138th Street, Bronx, NY; 10BR188**
 Work Order: **1502015**

Matrix:	Solid	Prep Method:	EPA 3550B GCMS
Prep Batch:	B5K1009	Lab Sample ID:	B5K1009-BS1

ANALYTE	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC.	QC LIMITS REC.
2,4,6-Trichlorophenol	1670	1660	100	70 - 130
2,4,5-Trichlorophenol	1670	1710	103	70 - 130
2-Chloronaphthalene	1670	1679	100	70 - 130
2-Nitroaniline	1670	1720	103	70 - 130
Dimethylphthalate	1670	1789	107	70 - 130
Acenaphthylene	1670	1760	106	70 - 130
3-Nitroaniline	1670	1150	69	70 - 130
Acenaphthene	1670	1650	99	70 - 130
2,4-Dinitrophenol	1670	1650	99	20 - 160
4-Nitrophenol	1670	1890	113	20 - 160
Dibenzofuran	1670	1640	98	70 - 130
2,6-Dinitrotoluene	1670	1700	102	70 - 130
2,4-Dinitrotoluene	1670	1780	107	70 - 130
2,3,4,6-Tetrachlorophenol	1670	1730	104	70 - 130
Diethyl phthalate	1670	1740	104	70 - 130
4-Chlorophenyl-phenylether	1670	1590	95	70 - 130
Fluorene	1670	1650	99	70 - 130
4-Nitroaniline	1670	1700	102	70 - 130
4,6-Dinitro-2-methylphenol	1670	1780	107	70 - 130
Carbazole	1670	1680	101	70 - 130
N-Nitrosodiphenylamine	1670	1670	100	20 - 160
Azobenzene	1670	1670	100	70 - 130
4-Bromophenyl-phenylether	1670	1669	100	70 - 130
Hexachlorobenzene	1670	1590	95	70 - 130
Pentachlorophenol	1670	1740	104	20 - 160
Phenanthrene	1670	1620	97	70 - 130
Anthracene	1670	1630	98	70 - 130
Di-n-butyl phthalate	1670	1680	101	70 - 130



LCS / LCS DUPLICATE RECOVERY

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Project: E. 138th Street, Bronx, NY; 10BR188
Work Order: 1502015

Matrix:	Solid	Prep Method:	EPA 3550B GCMS
Prep Batch:	BSK1009	Lab Sample ID:	BSK1009-BS1

ANALYTE	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC.	QC LIMITS REC.
Fluoranthene	1670	1720	103	70 - 130
Pyrene	1670	1510	91	70 - 130
Butylbenzylphthalate	1670	1610	96	70 - 130
Benzo[a]anthracene	1670	1600	96	70 - 130
bis(2-ethylhexyl)phthalate	1670	1580	95	70 - 130
Chrysene	1670	1610	97	70 - 130
Di-n-octyl phthalate	1670	1760	106	70 - 130
Benzo[b]fluoranthene	1670	1720	103	70 - 130
Benzo[k]fluoranthene	1670	1590	95	70 - 130
Benzo[a]pyrene	1670	1730	104	70 - 130
Indeno(1,2,3-cd)pyrene	1670	1680	100	70 - 130
Dibenzo(a,h)anthracene	1670	1670	100	70 - 130
Benzo[ghi]perylene	1670	1570	94	70 - 130

* Values outside of QC limits



INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
 Work Order: 1502015
 Project: E. 138th Street, Bronx, NY; 10BR188

Calibration: 15J2801	Instrument: GC/MS F
	Calibration Date: 10/14/2015 11:58:45AM

COMPOUND	Mean RF	RF RSD	LIMIT	Q
Naphthalene	1.046911	9.03924		
4-Chloroaniline	0.4698055	3.957397		
Hexachlorobutadiene	0.1780276	3.718634	CCC (20)	
Caprolactam	0.1626493	9.438644		
4-Chloro-3-methylphenol	0.3365877	3.635553	CCC (20)	
2-Methylnaphthylene	0.697018	10.32335		
1,2,4,5-Tetrachlorobenzene	0.7846604	3.175806		
Hexachlorocyclopentadiene	0.2698404	26.71039	SPCC (0.05)	
2,4,6-Trichlorophenol	0.4396401	4.809339	CCC (20)	
2,4,5-Trichlorophenol	0.4343777	8.465463		
2-Chloronaphthalene	1.273224	9.135137		
1,1-Biphenyl	1.901611	12.61078		
2-Nitroaniline	0.4465861	3.27539		
Dimethylphthalate	1.571915	10.43119		
Acenaphthylene	2.112104	11.76371		
3-Nitroaniline	0.4648623	4.743253		
Acenaphthene	1.258578	11.18945	CCC (20)	
2,4-Dinitrophenol	0.1670239	68.69134	SPCC (0.05)	
4-Nitrophenol	0.1289473	34.71536	SPCC (0.05)	
Dibenzofuran	1.850723	7.017351		
2,6-Dinitrotoluene	0.4220418	4.567939		
2,4-Dinitrotoluene	0.5799641	3.417658		
2,3,4,6-Tetrachlorophenol	0.3782584	6.204434		
Diethyl phthalate	1.650577	14.88571		
4-Chlorophenyl-phenylether	0.6605373	9.298071		

*No
Data
affected*



CONTINUING CALIBRATION VERIFICATION

EPA 8270

Client: **BRINKERHOFF ENVIRONMENTAL**
 Work Order: **1502015**
 Project: **E. 138th Street, Bronx, NY; 10BR188**

Instrument ID: **GC/MS F**
 Lab File ID: **F12196.D**
 Sequence: **S5K1113**
 Lab Sample ID: **S5K1113-CCV1**

Calibration: **15J2801**
 Calibration Date: **10/14/15 11:58**
 Injection Date: **11/11/15**
 Injection Time: **13:13**

COMPOUND	TYPE	CONC. (mg/L)		RESPONSE FACTOR			% DIFF	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dichlorophenol	A	50.0	50.0	0.3034206	0.3035297		0.04	20
1,2,4-Trichlorobenzene	A	50.0	46.9	0.3152609	0.2955911		-6.2	
Naphthalene	A	50.0	47.6	1.046911	0.9970625		-4.8	
4-Chloroaniline	A	50.0	52.2	0.4698055	0.4909634		4.5	
Hexachlorobutadiene	A	50.0	44.8	0.1760276	0.157766		-10.4	20
Caprolactam	A	50.0	49.3	0.1626493	0.1603497		-1.4	
4-Chloro-3-methylphenol	A	50.0	49.7	0.3365877	0.3347938		-0.5	20
2-Methylnaphthylene	A	50.0	47.7	0.697018	0.6649687		-4.6	
1,2,4,5-Tetrachlorobenzene	A	50.0	36.6	0.7846604	0.5737482		-26.9	
Hexachlorocyclopentadiene	L	50.0	40.8	0.2698404	0.2695785	0.05	-0.1	
2,4,6-Trichlorophenol	A	50.0	49.7	0.4396401	0.4372889		-0.5	20
2,4,5-Trichlorophenol	A	50.0	51.7	0.4343777	0.4493434		3.4	
2-Chloronaphthalene	A	50.0	46.8	1.273224	1.19174		-6.4	
1,1-Biphenyl	A	50.0	36.9	1.901611	1.404857		-26.1	
2-Nitroaniline	A	50.0	50.8	0.4465861	0.4535024		1.5	
Dimethylphthalate	A	50.0	48.6	1.571915	1.526513		-2.9	
Acenaphthylene	A	50.0	46.3	2.112104	1.956919		-7.3	
3-Nitroaniline	A	50.0	55.7	0.4648623	0.5177831		11.4	
Acenaphthene	A	50.0	47.0	1.258578	1.182309		-6.1	20
2,4-Dinitrophenol	L	50.0	47.3	0.1670239	0.2555371	0.05	53.0	
4-Nitrophenol	L	50.0	42.5	0.1289473	0.1396565	0.05	8.3	
Dibenzofuran	A	50.0	49.5	1.850723	1.831241		-1.1	
2,6-Dinitrotoluene	A	50.0	52.8	0.4220418	0.4456305		5.6	



**CONTINUING CALIBRATION VERIFICATION
EPA 8270**

Client: **BRINKERHOFF ENVIRONMENTAL**
 Work Order: **1502015**
 Project: **E. 138th Street, Bronx, NY; 10BR188**

Instrument ID: **GC/MS B**
 Lab File ID: **B2914.D**
 Sequence: **S5K1308**
 Lab Sample ID: **S5K1308-CCV1**

Calibration: **15K1803**
 Calibration Date: **11/04/15 12:55**
 Injection Date: **11/13/15**
 Injection Time: **15:53**

COMPOUND	TYPE	CONC. (mg/L)		RESPONSE FACTOR			% DIFF	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Pyridine	A	50.0	44.7	1.056793	0.9451992		-10.6	
N-Nitrosodimethylamine	A	50.0	50.2	0.7282379	0.7307677		0.3	
Benzaldehyde	A	50.0	76.6	0.1774644	0.271828		53.2	
Aniline	A	50.0	52.9	2.31087	2.444618		5.8	
Phenol	A	50.0	53.4	1.808229	1.929612		6.7	20
bis(2-chloroethyl)ether	A	50.0	52.9	1.498395	1.585362		5.8	
2-Chlorophenol	A	50.0	53.5	1.411147	1.511048		7.1	
1,3-Dichlorobenzene	A	50.0	50.9	1.467782	1.493562		1.8	
1,4-Dichlorobenzene	A	50.0	50.6	1.457777	1.474256		1.1	20
Benzyl alcohol	A	50.0	53.7	1.212499	1.301969		7.4	
1,2-Dichlorobenzene	L	50.0	56.1	1.373826	1.335875		-2.8	
2-Methylphenol	A	50.0	52.8	1.32626	1.399361		5.5	
bis(2-chloroisopropyl)ether	L	50.0	62.1	2.275345	2.260341		-0.7	
Acetophenone	A	50.0	55.8	0.1488566	0.1661781		11.6	
3 & 4-Methylphenol	A	50.0	53.7	1.349722	1.450048		7.4	
N-Nitroso-di-n-propylamine	A	50.0	51.2	1.124053	1.15123	0.05	2.4	
Hexachloroethane	A	50.0	49.5	0.6217874	0.6153677		-1.0	
Nitrobenzene	A	50.0	50.3	0.3795886	0.3818312		0.6	
Isophorone	A	50.0	53.8	0.7990202	0.8599843		7.6	
2-Nitrophenol	A	50.0	53.9	0.2024556	0.2183402		7.8	20
2,4-Dimethylphenol	A	50.0	52.1	0.3470885	0.3617817		4.2	
Benzoic acid	L	50.0	55.0	0.1643965	0.2065196		25.6	
bis(2-chloroethoxy)methane	A	50.0	50.4	0.4724972	0.476418		0.8	



CONTINUING CALIBRATION VERIFICATION

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502015
Project: E. 138th Street, Bronx, NY; 10BR188
Instrument ID: GC/MS B
Lab File ID: B2914.D
Sequence: S5K1308
Lab Sample ID: S5K1308-CCV1

Calibration: 15K1803
Calibration Date: 11/04/15 12:55
Injection Date: 11/13/15
Injection Time: 15:53

COMPOUND	TYPE	CONC. (mg/L)		RESPONSE FACTOR			% DIFF	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dichlorophenol	A	50.0	52.3	0.2881979	0.3016677		4.7	20
1,2,4-Trichlorobenzene	A	50.0	49.5	0.3062515	0.3030788		-1.0	
Naphthalene	A	50.0	48.9	0.9573403	0.9363064		-2.2	
4-Chloroaniline	A	50.0	52.5	0.4667377	0.4897972		4.9	
Hexachlorobutadiene	A	50.0	49.0	0.1489691	0.1459725		-2.0	20
Caprolactam	A	50.0	55.2	0.13773	0.1520677		10.4	
4-Chloro-3-methylphenol	A	50.0	56.1	0.3071054	0.3446343		12.2	20
2-Methylnaphthylene	A	50.0	51.6	0.6627595	0.6844782		3.3	
1,2,4,5-Tetrachlorobenzene	A	50.0	48.0	0.550364	0.5282506		-4.0	
Hexachlorocyclopentadiene	A	50.0	51.3	0.3131763	0.3211768	0.05	2.6	
2,4,6-Trichlorophenol	A	50.0	52.1	0.3956274	0.412085		4.2	20
2,4,5-Trichlorophenol	A	50.0	53.0	0.4086487	0.4335576		6.1	
2-Chloronaphthalene	A	50.0	46.5	1.114826	1.037736		-6.9	
1,1-Biphenyl	Q	50.0	45.7	1.31873	1.210643		-8.2	
2-Nitroaniline	A	50.0	53.7	0.437682	0.4698577		7.4	
Dimethylphthalate	A	50.0	52.3	1.303818	1.362841		4.5	
Acenaphthylene	A	50.0	51.3	1.849918	1.898894		2.6	
3-Nitroaniline	A	50.0	54.1	0.4385077	0.4748148		8.3	
Acenaphthene	A	50.0	50.8	1.216976	1.235445		1.5	20
2,4-Dinitrophenol	L	50.0	54.0	0.1730911	0.2456968	0.05	41.9	
4-Nitrophenol	A	50.0	61.0	0.1785295	0.2178661	0.05	22.0	
Dibenzofuran	A	50.0	51.4	1.88123	1.728354		2.8	
2,6-Dinitrotoluene	A	50.0	54.3	0.3569674	0.3879101		8.7	

Appendix C

Validator Qualifications

MICHAEL K. PERRY
Chemist/Data Validator

B.S. Chemistry, Georgia State University, Atlanta, GA

A.A.S., Chemical Technology, Alfred State College, Alfred, NY

Mr. Perry has over 30 years of experience in the analytical laboratory business. During his early career, he spent several years as a laboratory analyst performing the analysis of soil, water, and air samples for inorganic and organic chemical parameters. During his last 20 years in the environmental laboratory business, he managed and directed two major analytical laboratories in Rochester, NY. His management responsibilities included oversight of the daily operations of the lab, staff training and supervision, the selection, purchase, and maintenance of analytical instruments, the introduction of new laboratory methods, analytical quality assurance and quality control, data acquisition and management, and other business-related activities.

Mr. Perry has an extensive working knowledge of the methods and procedures used for sampling and analyzing both inorganic and organic analytes in soil, water, and air. He is an accomplished laboratory chemist and is familiar with the analytical methods and procedures established under the USEPA Contract Laboratory Protocols (CLP), the NYSDEC Analytical Services Protocols (ASP), and the NYSDOH Environmental Laboratory Approval Program (ELAP).

KENNETH R. APPLIN
Geochemist/Data Validator

Ph.D., Geochemistry and Mineralogy, The Pennsylvania State University

M.S., Geochemistry and Mineralogy, The Pennsylvania State University

B.A., Geological Sciences, SUNY at Geneseo, NY

Dr. Applin has over 35 years of experience working with the geochemistry of natural waters. His prior experience includes working as an Assistant Professor of Geology at the University of Missouri-Columbia and as Chief Hydrogeologist and Geochemist with a leading engineering firm in Rochester, NY. In 1993, he established KR Applin and Associates, a small consulting business that focuses on the geochemistry of natural waters, especially as applied to problems involving the contamination of groundwater and surface water.

Dr. Applin is also an experienced analytical data validator and has provided data validation services since 1994 to a variety of clients performing brownfield cleanup projects, hazardous waste remediation, groundwater monitoring at solid waste facilities, and other projects requiring third-party data validation. Dr. Applin has several years of hands-on experience with the laboratory analysis of natural waters and has successfully completed the USEPA Region II certification courses for performing inorganic and organic analytical data validation.

DATA USABILITY SUMMARY REPORT (DUSR)

**Former G & C Services
255 East 138th Street
Bronx, NY
NYSDEC BCP # C203057**

SDG: 1502031
3 Soil Samples

Prepared for:

**Brinkerhoff Environmental Services, Inc.
1805 Atlantic Avenue
Manasquan, NJ 08736**

October 2016



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REVIEWER'S NARRATIVE
SDG 1502031

The data associated with this Sample Delivery Group (SDG) 1502031, analyzed by Accredited Analytical Resources, LLC, Carteret, NJ have been reviewed in accordance with assessment criteria provided by the New York State Department of Environmental Conservation following the review procedures provided in the USEPA Functional Guidelines for evaluating organic and inorganic data.

All analytical results reported by the laboratory are considered valid and acceptable except results that have been qualified as rejected, "R". Results qualified as estimated "J", or as non-detects, "U", are considered usable for the purpose of evaluating water and/or soil quality. However, these qualifiers indicate that the accuracy and/or precision of the analytical result is questionable. A summary of all data that have been qualified and the reasons for qualification are provided in the following data usability summary report (DUSR).

Two facts should be noted by all data users. First, the "R" qualifier means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the analyte is present or not. Values qualified with an "R" should not appear on the final data tables because they cannot be relied upon, even as the last resort. Second, no analyte concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error.

Reviewer's Signature: Michael K. Perry Date: 10/25/16
Michael K. Perry
Chemist

1.0 SUMMARY

SITE: 255 East 138th Street.
Bronx , NY

SAMPLING DATE: November 09, 2015

SAMPLE TYPE: 3 soil samples

LABORATORY: Accredited Analytical Resources, LLC.
Carteret, NJ

SDG No.: 1502031

2.0 INTRODUCTION

This data usability summary report (DUSR) was prepared in accordance with guidance provided by the New York State Department of Environmental Conservation (NYSDEC). The DUSR is based on a review and evaluation of the laboratory analytical data package. Specifically, the NYSDEC guidance recommends review and evaluation of the following elements of the data package:

- Completeness of the data package as defined under the requirements of the NYSDEC Analytical Services Protocols (ASP) Category B or the United States Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) deliverables,
- Compliance with established analyte holding times,
- Adherence to quality control (QC) limits and specifications for blanks, instrument tuning and calibration, surrogate recoveries, spike recoveries, laboratory duplicate analyses, and other QC criteria,
- Adherence to established analytical protocols,
- Conformance of data summary sheets with raw analytical data, and
- Use of correct data qualifiers.

Data deficiencies, analytical protocol deviations, and quality control problems identified using the review criteria above and their effect on the analytical results are discussed in this report.

3.0 SAMPLE AND ANALYSIS SUMMARY

The data package consists of analytical results for three soil samples collected on November 9, 2015. These samples were analyzed for volatile organic compounds, semi-volatile organic compounds, pesticides, polychlorinated biphenyls (PCBs), TAL metals, and total cyanide.

All laboratory analyses were performed by Accredited Analytical Resources, LLC., Carteret, NJ and analyzed as SDG 1502031. The analytical results were provided in NYSDEC ASP Category B format, which includes all raw analytical data and laboratory QC data.

4.0 GUIDANCE DOCUMENTS AND DATA REVIEW CRITERIA

The guidance documents used for reviewing laboratory quality control (QC) data and assigning data qualifiers (flags) to analytical results are listed in Table 4-1. The QC limits established in the documents applicable to this data review were used to assess the quality of the analytical results. In some cases, however, QC limits established internally by the laboratory were taken into account to determine data quality.

The QC criteria considered for assessing the usability of the reported analytical results provided for each analyte type (i.e. VOCs, SVOCs, metals, etc.) are listed in Table 4-2. These criteria may vary with the analytical method utilized by the laboratory. These criteria comply with the guidance recommended in Section 2.0 above.

5.0 DATA VALIDATION QUALIFIERS

The letter qualifiers (flags) used to define data usability are described briefly below. These letters are assigned by the data validator to analytical results having questionable accuracy and/or precision as determined by reviewing the laboratory QC data associated with the analytical results.

TABLE 4-1

DATA VALIDATION GUIDANCE DOCUMENTS

Analyte Type	Validation Guidance
VOCs	USEPA, 2008, Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry; SW-846 Method 8260B; SOP # HW-24, Rev. 2. USEPA, 2008, Statement of Work for Organic Analysis of Low/Medium Concentration of Volatile Organic Compounds SOM01.2; SOP HW-33, Rev. 2.
SVOCs	USEPA, 2007, Statement of Work for Organic Analysis of Low/Medium Concentration of Semivolatile Organic Compounds SOM01.2; SOP HW-35, Rev. 1.
Pesticides/PCBs	USEPA, 2006, CLP Organics Data Review and Preliminary Review (CLP/SOW OLMO 4.3); SOP # HW-6, Rev. 14, Part C.
Metals	USEPA, 2006, Validation of Metals for the Contract Laboratory Program (CLP) based on SOW ILMO 5.3 (SOP Revision 13), SOP # HW-2, Rev. 13.
Gen Chemistry	NYSDEC, 2005, Analytical Services Protocols (ASP)
VOCs (Ambient air)	USEPA, 2006, Validating Air Samples, Volatile Organic Analysis of Ambient Air in Canister by Method TO-15; SOP # HW-31, Rev. 4.

TABLE 4-2

**QUALITY CONTROL CRITERIA USED FOR VALIDATING
LABORATORY ANALYTICAL DATA**

VOCs	SVOCs	Pesticides/PCBs	Metals	Gen Chemistry	Method TO-15
Completeness of Pkg Sample Condition Holding Time System Monitoring Compounds Lab Control Sample Matrix Spikes Blanks Instrument Tuning Internal Standards Initial Calibration Continuing Calibration Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Time Surrogate Recoveries Lab Control Sample Matrix Spikes Blanks Instrument Tuning Internal Standards Initial Calibration Continuing Calibration Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Time Surrogate Recoveries Matrix Spikes Blanks Instrument Calibration & Verification Analyte ID Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Time Initial/Continuing Calibration CRDL Standards Blanks Interference Check Sample Spike Recoveries Lab Duplicate Lab Control Sample ICP Serial Dilutions Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Times Calibration Lab Control Samples Blanks Spike Recoveries Lab Duplicates	Completeness of Pkg Sample Condition Holding Time Canister Certification Lab Control Sample Instrument Tuning Blanks Initial Calibration & System Performance Daily Calibration Field Duplicate

The laboratory may also use various letters and symbols to flag analytical results generated when QC limits were exceeded. The meanings of these flags may differ from those used by the independent data validator. Those used by the laboratory are provided with the analytical results.

NOTE: The assignment of data qualifiers by the data reviewer (validator) to laboratory analytical results should not necessarily be interpreted by the data user as a measure of laboratory ability or proficiency. Rather, the qualifiers are intended to provide a measure of data accuracy and precision to the data user, which, for example, may provide a level of confidence in determining whether or not standards or cleanup objectives have been met.

- U** The analyte was analyzed for but was not detected at or above the sample quantitation limit.
- J** The analyte was positively identified; the associated numerical value is the *approximate* concentration of the analyte in the sample. (The magnitude of any \pm value associated with the result is not determined by data validation).
- UJ** The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is *approximate* and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R** The sample result is rejected (i.e., is unusable) due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
- N** The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
- JN** The analyte is considered to be "presumptively present." The associated numerical value represents its *approximate* concentration.

The validated analytical results are attached to this report. Validation qualifiers (flags) are indicated using red ink. Data sheets having qualified data are signed and dated by the data reviewer.

6.0 RESULTS OF THE DATA REVIEW

The results of the data review are summarized in Tables 6-1 through 6-6. The tables list the samples where QC criteria were found to exceed acceptable limits and the actions taken to qualify the associated analytical results.

7.0 TOTAL USABLE DATA

For SDG 1502031, three samples were analyzed and results were reported for 570 analytes. Even though some results were flagged with a "J", all results (100 %) are considered usable. See the summary table for the associated QC reasons.

Table 6-1 **VOCs**

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
EP-15 EP-15RE	All Analytes	UJ non-detects J detects	BFB < 70 % QC limit	Sample data is estimated
EP-15	Isopropylbenzene 1,12,2-Tetrachlorobenzene 1,2,3-Trichloropropane n-Propylbenzene Bromobenzene 1,3,5-Trimethylbenzene 2-Chlorotoluene 4-Chlorotoluene tert-Butylbenzene 1,2,4-Trimethylbenzene sec-Butylbenzene p-Isopropyltoluene 1,3-Dichlorobenzene 1,4-Dichlorobenzene n-Butylbenzene 1,2-Dichlorobenzene DBCP 1,2,4-Trichlorobenzene Hexachlorobutadiene 1,2,3-Trichlorobenzene	R non-detects J detects	IS#4 area < 25 % QC limit	Non-detects are unusable, detects may be biased low
EP-15RE	All Analytes	UJ non-detects J detects	All IS areas < 50 % QC limit	Sample data is estimated

SDG 1502031

EP-15 EP-16	Acetone	J all data 10X MB value	Detected in the method blank	No data affected
EP-14 EP-15 RE	Acetone Methylene Chloride	J all data 10X MB value	Detected in the method blank	MECL2 changed to CRQL U in sample EP-14
All samples	Acetone Methylene Chloride DBCP	J detects	ICV RPD > 20 %	Sample detects are estimated
All samples	Acetone Dichlorofluoromethane	UJ non-detects J detects	CCV % D > 20 %	Samples are estimated

Table 6-2 SVOCs

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
All samples	4-Chloroaniline	"UJ"	LCS < 70 % QC limit	All samples non-detect
EP-16	Di-n-octylphthalate Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenzo(a,h)anthracene Benzo(g,h,i)perylene	UJ non-detect J detects	IS #6 area < 50 % QC limit	Sample data is estimated
All samples	2,4-Dinitrophenol	J detects	ICV > 40 %	All samples non-detect
All samples	2,4-Dinitrophenol	UJ non-detects J detects	CCV > 40 %	All samples non-detect

Table 6-3 Pesticides

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

Table 6-4 PCBs

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

Table 6-5 TAL Metals

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

Table 6-6 Total Cyanide

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

ACRONYMS

BSP	Blank Spike
CCAL	Continuing Calibration
CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification
CRDL	Contract Required Detection Limit
CRQL	Contract Required Quantitation Limit
%D	Percent Difference
ICAL	Initial Calibration
ICB	Initial Calibration Blank
IS	Internal Standard
LCS	Laboratory Control Sample
MS/MSD	Matrix Spike/Matrix Spike Duplicate
QA	Quality Assurance
QC	Quality Control
%R	Percent recovery
RPD	Relative Percent Difference
%RSD	Percent Relative Standard Deviation
TAL	Target Analyte List (metals)
TCL	Target Compound List (organics)

Appendix A

*Validated
Analytical
Results*



Accredited Analytical Resources, LLC.

ANALYTICAL REPORT

for

BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.

Manasquan, NJ 08736

Project: 138th Street, Bronx, NY; 10BR188

AAR Work Order: 1502031

<u>Client Sample ID:</u>	<u>Lab Sample ID:</u>
EP-14	1502031-01
EP-15	1502031-02
EP-15	1502031-02RE1
EP-16	1502031-03

This data has been reviewed and accepted by:

Daniel Miguel
Technical Director

12/30/2015

New Jersey Certification Number: 12007
New York Certification Number: 11108
Pennsylvania Certification Number: 68-02799

This report shall not be reproduced, except in its entirety, without the written consent of Accredited Analytical Resources, LLC.
The test results included in this report relate only to the samples analyzed.



Case Narrative

Conformance / Non-Conformance Summary

Accredited Analytical Resources, LLC received 3 sample(s) from BRINKERHOFF ENVIRONMENTAL (Project: 138th Street, Bronx, NY; 10BR188) on 11/10/2015 2:15:00 PM.

All analyses were performed within the required holding time.

In the Volatile Organic analyses, B5K1614-MS1/MSD1 and B5K1710-MS1/MSD1 had compounds recovered outside acceptance limits due to matrix interference, the LCS was recovered within acceptance limits for all compounds; therefore, no further action required.

In the Volatile Organic analyses, one surrogate (Bromofluorobenzene) for AAR Sample #1502031-02 was out of criteria. The sample was reanalyzed and the surrogate was again recovered out of the required criteria. The methylene chloride result reported for AAR Sample #1502031-01 is due to matrix interference.

In the BNA analyses, the laboratory control sample (LCS) and/or laboratory control sample duplicate (LCSD) for Batch B5K1301 recovered outside control limits for certain analytes. These analytes were within house limits; therefore, the data has been reported.

In the BNA analyses, the MS/MSD for Batch B5K1301 had compounds recovered outside acceptance criteria due to matrix interference, the LCS was recovered within acceptance limits; therefore, no further action required.

In the Metals analysis the recoveries of the MS/MSD were outside of acceptance criteria. The QC sample had concentrations too high to be able to determine a spike recovery. The LCS was within acceptance criteria for those metals out in the MS/MSD. The results are included in this data package.

Except for the parameters tested AAR makes no representation as to the fitness or quality of the sample (s) taken.

"The laboratory has reviewed the quality assurance and quality control measurements for the sample analyses.

Daniel Miguel
Technical Director



Accredited Analytical Resources, LLC.

20 PERSHING AVE, CARTERET, NJ 07008
 Tel. 732-969-6112 FAX 732-541-1383
 WEB: WWW.ACCREDITEDANALYTICAL.COM

CHAIN OF CUSTODY FORM

STATE AGENCY (CIRCLE ONE) NJ NY PA

PROJECT NAME: 138th Street, Bronx, NY; 106288

CONTACT: Daig Hamm & Sean Harrison

OFFICE PHONE #: 732-223-2225

OFFICE FAX #: 732-223-3666

INITIAL RESULTS TO: Daig Hamm and Shannon@

EMAIL FOR INVOICE: dharm@brink.env brinkenv

CLIENT NAME: Brinkerhoff Environmental Services

ADDRESS: 1505 Atlantic Avenue

CITY: Manasquan

STATE: NJ ZIP: 08736

AAR QUOTE #: 1502031

AAR WORK ORDER #: 1062188

PRES. CODE -

CONT. CODE -

COLLECTION INFORMATION						ANALYSIS										AAR SAMPLE #					
CUSTOMER SAMPLE # / ID	DATE / TIME SAMPLED	MATRIX CODE	DEPTH	# OF CONTAINERS	GRAB (G) COMP (C)	TAL	TEL														
EP-14	11/15/10:40	S		4	G	✓	✓														-01
EP-15	11/9/15/10:50	S		4	G	✓	✓														-02
EP-16	11/9/15/11:10	S		4	G	✓	✓														-03

MATRIX CODES: S = SOIL A = AQUEOUS GW = GROUND WATER WW = WASTE WATER SW = SURFACE WATER P = POTABLE WATER O = OIL K = SOLID X = OTHER

CONTAINER TYPE CODES: G = GLASS P = PLASTIC E = ENCORE PRESERVATIVES CODES: 1 = HCL 2 = HNO3 3 = H2SO4 4 = NaOH 5 = OTHER

TURNAROUND TIME: (CIRCLE ONE) STANDARD 5 DAY 72 HRS. 48 HRS. 24 HRS. **OTHER 2 WEEK**

REPORT TYPE: RESULTS ONLY REDUCED FULL EDD EXCEL SPREADSHEET

COMMENTS: Send invoice to Brinkerhoff; NYS DEC Category B data deliverable

COOLER TEMP: 4°C

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: Monica Norton SIGN: Monica Norton

SIGN BELOW WHEN DELIVERING SAMPLES. EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY, CUSTODY MUST BE DOCUMENTED.

RELINQUISHED BY: Print Name: Monica Norton Signature: Monica Norton Agent of: Date Received: 11/10/15 Time: 10:15	RECEIVED BY: Print Name: John J. Green Signature: [Signature] Agent of: AAR Date Received: 11/10/15 Time: 10:15	RELINQUISHED BY: Print Name: John J. Green Signature: [Signature] Agent of: AAR Date Received: 11/10/15 Time: 14:50	RECEIVED BY: Print Name: K. MUNIZ Signature: [Signature] Agent of: AAR Date Received: 11/10/15 Time: 14:50
RELINQUISHED BY: Print Name: Signature: Agent of: Date Received: / / Time:	RECEIVED BY: Print Name: Signature: Agent of: Date Received: / / Time:	RELINQUISHED BY: Print Name: Signature: Agent of: Date Received: / / Time:	RECEIVED BY: Print Name: Signature: Agent of: Date Received: / / Time:



ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-14
Lab Sample ID: 1502031-01
Project: 138th Street, Bronx, NY; 10BR188
Work Order: 1502031

Date Sampled:	11/09/15 10:40	Prep Date:	11/17/15 14:17	Matrix:	Soil
Percent Solids:	63.00	Prep Method:	EPA 5035A	File ID:	D13078.D
Prep Batch:	B5K1710	Sequence:	S5K1708	Analyzed:	11/17/15 14:17
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
107-02-8	Acrolein	ND	13.6	22.7	U
107-13-1	Acrylonitrile	ND	4.54	22.7	U
67-64-1	Acetone	13.4 <i>J</i>	2.27	4.54	B
75-71-8	Dichlorodifluoromethane	ND	2.27	4.54	U
74-87-3	Chloromethane	ND	2.27	4.54	U
75-01-4	Vinyl chloride	ND	2.27	4.54	U
74-83-9	Bromomethane	ND	2.27	4.54	U
75-00-3	Chloroethane	ND	2.27	4.54	U
75-69-4	Trichlorofluoromethane	ND	2.27	4.54	U
75-35-4	1,1-Dichloroethene	ND	2.27	4.54	U
75-15-0	Carbon disulfide	ND	2.27	4.54	U
75-09-2	Methylene Chloride	3.22 4.54 <i>U</i>	2.27	4.54	B, J
156-60-5	trans-1,2-Dichloroethene	ND	2.27	4.54	U
75-34-3	1,1-Dichloroethane	ND	2.27	4.54	U
108-05-4	Vinyl acetate	ND	2.27	4.54	U
590-20-7	2,2-Dichloropropane	ND	2.27	4.54	U
78-93-3	2-Butanone	ND	2.27	4.54	U
156-59-4	cis-1,2-Dichloroethene	ND	2.27	4.54	U
67-66-3	Chloroform	ND	2.27	4.54	U
74-97-5	Bromochloromethane	ND	2.27	4.54	U
71-55-6	1,1,1-Trichloroethane	ND	2.27	4.54	U
563-58-6	1,1-Dichloropropene	ND	2.27	4.54	U
56-23-5	Carbon Tetrachloride	ND	2.27	4.54	U
107-06-2	1,2-Dichloroethane	ND	2.27	4.54	U
71-43-2	Benzene	ND	2.27	4.54	U

mmp 10/28/16



ANALYSIS DATA SHEET
EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-14
Lab Sample ID: 1502031-01
Project: 138th Street, Bronx, NY; 10BR188
Work Order: 1502031

Date Sampled:	11/09/15 10:40	Prep Date:	11/17/15 14:17	Matrix:	Soil
Percent Solids:	63.00	Prep Method:	EPA 5035A	File ID:	D13078.D
Prep Batch:	B5K1710	Sequence:	S5K1708	Analyzed:	11/17/15 14:17
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
79-01-6	Trichloroethene	ND	2.27	4.54	U
78-87-5	1,2-Dichloropropane	ND	2.27	4.54	U
75-27-4	Bromodichloromethane	ND	2.27	4.54	U
74-95-3	Dibromomethane	ND	2.27	4.54	U
110-75-8	2-Chloroethyl vinyl ether	ND	2.27	4.54	U
10061-01-5	cis-1,3-Dichloropropene	ND	2.27	4.54	U
108-88-3	Toluene	ND	2.27	4.54	U
10061-02-6	trans-1,3-Dichloropropene	ND	2.27	4.54	U
79-00-5	1,1,2-Trichloroethane	ND	2.27	4.54	U
108-10-1	4-Methyl-2-pentanone	ND	2.27	4.54	U
106-93-4	1,2-Dibromoethane	ND	2.27	4.54	U
591-78-6	2-Hexanone	ND	2.27	4.54	U
142-28-9	1,3-Dichloropropane	ND	2.27	4.54	U
127-18-4	Tetrachloroethene	ND	2.27	4.54	U
124-48-1	Dibromochloromethane	ND	2.27	4.54	U
100-41-4	Ethylbenzene	ND	2.27	4.54	U
108-90-7	Chlorobenzene	ND	2.27	4.54	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.27	4.54	U
108-38-3/106-42	m,p-Xylenes	ND	4.54	9.07	U
95-47-6	o-Xylene	ND	4.54	9.07	U
100-42-5	Styrene	ND	2.27	9.07	U
75-25-2	Bromoform	ND	2.27	4.54	U
98-82-8	Isopropylbenzene	ND	2.27	4.54	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.27	4.54	U
96-18-4	1,2,3-Trichloropropane	ND	2.27	4.54	U



ANALYSIS DATA SHEET
EPA 8260

Client: **BRINKERHOFF ENVIRONMENTAL**
 Client Sample ID: **EP-14**
 Lab Sample ID: **1502031-01**
 Project: **138th Street, Bronx, NY; 10BR188**
 Work Order: **1502031**

Date Sampled:	11/09/15 10:40	Prep Date:	11/17/15 14:17	Matrix:	Soil
Percent Solids:	63.00	Prep Method:	EPA 5035A	File ID:	D13078.D
Prep Batch:	B5K1710	Sequence:	S5K1708	Analyzed:	11/17/15 14:17
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
103-65-1	n-Propyl Benzene	ND	2.27	4.54	U
108-86-1	Bromobenzene	ND	2.27	4.54	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.27	4.54	U
95-49-8	2-Chlorotoluene	ND	2.27	4.54	U
106-43-4	4-Chlorotoluene	ND	2.27	4.54	U
98-06-6	tert-Butylbenzene	ND	2.27	4.54	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.27	4.54	U
135-98-8	sec-Butylbenzene	ND	2.27	4.54	U
99-87-6	p-Isopropyltoluene	ND	2.27	4.54	U
541-73-1	1,3-Dichlorobenzene	ND	2.27	4.54	U
106-46-7	1,4-Dichlorobenzene	ND	2.27	4.54	U
104-51-8	n-Butyl Benzene	ND	2.27	4.54	U
95-50-1	1,2-Dichlorobenzene	ND	2.27	4.54	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.27	4.54	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.27	4.54	U
87-68-3	Hexachlorobutadiene	ND	2.27	4.54	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.27	4.54	U

Surrogate	% Recovery	Recovery Limits
1,2-Dichloroethane-d4	107%	70-130
Toluene-d8	105%	70-130
Bromofluorobenzene	92%	70-130

* Values outside of QC limits
 ND - Indicates compound analyzed for but not detected
 U - Indicates compound analyzed for but not detected
 J - Indicates estimated value for TICs and all results when detected below the RL
 B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard
 D - Indicates result is based on a dilution
 P - Greater than 25% diff. between 2 GC columns.
 MDL - Minimum detection limit
 RL - Reporting limit



ANALYSIS DATA SHEET
EPA 8260

Client: **BRINKERHOFF ENVIRONMENTAL**
 Client Sample ID: **EP-15**
 Lab Sample ID: **1502031-02**
 Project: **138th Street, Bronx, NY; 10BR188**
 Work Order: **1502031**

Date Sampled:	11/09/15 10:50	Prep Date:	11/16/15 17:23	Matrix:	Soil
Percent Solids:	58.00	Prep Method:	EPA 5035A	File ID:	D13059.D
Prep Batch:	B5K1614	Sequence:	S5K1604	Analyzed:	11/16/15 17:23
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
107-02-8	Acrolein	ND UJ	19.7	32.9	U
107-13-1	Acrylonitrile	ND ↓	6.58	32.9	U
67-64-1	Acetone	656 J	3.29	6.58	B
75-71-8	Dichlorodifluoromethane	ND UJ	3.29	6.58	U
74-87-3	Chloromethane	ND	3.29	6.58	U
75-01-4	Vinyl chloride	ND	3.29	6.58	U
74-83-9	Bromomethane	ND	3.29	6.58	U
75-00-3	Chloroethane	ND	3.29	6.58	U
75-69-4	Trichlorofluoromethane	ND	3.29	6.58	U
75-35-4	1,1-Dichloroethene	ND ↓	3.29	6.58	U
75-15-0	Carbon disulfide	4.94 J	3.29	6.58	J
75-09-2	Methylene Chloride	ND UJ	3.29	6.58	U
156-60-5	trans-1,2-Dichloroethene	ND	3.29	6.58	U
75-34-3	1,1-Dichloroethane	ND	3.29	6.58	U
108-05-4	Vinyl acetate	ND	3.29	6.58	U
590-29-7	2,2-Dichloropropane	ND ↓	3.29	6.58	U
78-93-3	2-Butanone	162 J	3.29	6.58	
156-59-4	cis-1,2-Dichloroethene	ND UJ	3.29	6.58	U
67-66-3	Chloroform	ND	3.29	6.58	U
74-97-5	Bromochloromethane	ND	3.29	6.58	U
71-55-6	1,1,1-Trichloroethane	ND	3.29	6.58	U
563-58-6	1,1-Dichloropropene	ND	3.29	6.58	U
56-23-5	Carbon Tetrachloride	ND	3.29	6.58	U
107-06-2	1,2-Dichloroethane	ND ↓	3.29	6.58	U
71-43-2	Benzene	ND	3.29	6.58	U

mp 10/25/16



ANALYSIS DATA SHEET
EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
 Client Sample ID: EP-15
 Lab Sample ID: 1502031-02
 Project: 138th Street, Bronx, NY; 10BR188
 Work Order: 1502031

Date Sampled:	11/09/15 10:50	Prep Date:	11/16/15 17:23	Matrix:	Soil
Percent Solids:	58.00	Prep Method:	EPA 5035A	File ID:	D13059.D
Prep Batch:	B5K1614	Sequence:	S5K1604	Analyzed:	11/16/15 17:23
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
79-01-6	Trichloroethene	ND ^{US}	3.29	6.58	U
78-87-5	1,2-Dichloropropane	ND	3.29	6.58	U
75-27-4	Bromodichloromethane	ND	3.29	6.58	U
74-95-3	Dibromomethane	ND	3.29	6.58	U
110-75-8	2-Chloroethyl vinyl ether	ND	3.29	6.58	U
10061-01-5	cis-1,3-Dichloropropene	ND	3.29	6.58	U
108-88-3	Toluene	ND	3.29	6.58	U
10061-02-6	trans-1,3-Dichloropropene	ND	3.29	6.58	U
79-00-5	1,1,2-Trichloroethane	ND	3.29	6.58	U
108-10-1	4-Methyl-2-pentanone	ND	3.29	6.58	U
106-93-4	1,2-Dibromoethane	ND	3.29	6.58	U
591-78-6	2-Hexanone	ND	3.29	6.58	U
142-28-9	1,3-Dichloropropane	ND	3.29	6.58	U
127-18-4	Tetrachloroethene	ND	3.29	6.58	U
124-48-1	Dibromochloromethane	ND	3.29	6.58	U
100-41-4	Ethylbenzene	ND	3.29	6.58	U
108-90-7	Chlorobenzene	ND	3.29	6.58	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	3.29	6.58	U
108-38-3/106-42	m,p-Xylenes	ND	6.58	13.2	U
95-47-6	o-Xylene	ND	6.58	13.2	U
100-42-5	Styrene	ND	3.29	13.2	U
75-25-2	Bromoform	ND	3.29	6.58	U
98-82-8	Isopropylbenzene	ND ^R	3.29	6.58	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	3.29	6.58	U
96-18-4	1,2,3-Trichloropropane	ND	3.29	6.58	U



ANALYSIS DATA SHEET
EPA 8260

Client: **BRINKERHOFF ENVIRONMENTAL**
 Client Sample ID: **EP-16**
 Lab Sample ID: **1502031-02**
 Project: **138th Street, Bronx, NY; 10BR188**
 Work Order: **1502031**

Date Sampled:	11/09/15 10:50	Prep Date:	11/16/15 17:23	Matrix:	Soil
Percent Solids:	58.00	Prep Method:	EPA 5035A	File ID:	D13059.D
Prep Batch:	B5K1614	Sequence:	S5K1604	Analyzed:	11/16/15 17:23
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
103-65-1	n-Propyl Benzene	ND ^R	3.29	6.58	U
108-86-1	Bromobenzene	ND	3.29	6.58	U
108-67-8	1,3,5-Trimethylbenzene	ND	3.29	6.58	U
95-49-8	2-Chlorotoluene	ND	3.29	6.58	U
106-43-4	4-Chlorotoluene	ND	3.29	6.58	U
98-06-6	tert-Butylbenzene	ND	3.29	6.58	U
95-63-6	1,2,4-Trimethylbenzene	ND	3.29	6.58	U
135-98-8	sec-Butylbenzene	ND	3.29	6.58	U
99-87-6	p-Isopropyltoluene	ND	3.29	6.58	U
541-73-1	1,3-Dichlorobenzene	ND	3.29	6.58	U
106-46-7	1,4-Dichlorobenzene	ND	3.29	6.58	U
104-51-8	n-Butyl Benzene	ND	3.29	6.58	U
95-50-1	1,2-Dichlorobenzene	ND	3.29	6.58	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	3.29	6.58	U
120-82-1	1,2,4-Trichlorobenzene	ND	3.29	6.58	U
87-68-3	Hexachlorobutadiene	ND	3.29	6.58	U
87-61-6	1,2,3-Trichlorobenzene	ND	3.29	6.58	U

Surrogate	% Recovery	Recovery Limits
1,2-Dichloroethane-d4	110%	70-130
Toluene-d8	99%	70-130
Bromofluorobenzene	50%	70-130

* Values outside of QC limits
 ND - Indicates compound analyzed for but not detected
 U - Indicates compound analyzed for but not detected
 J - Indicates estimated value for TICs and all results when detected below the RL
 B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard
 D - Indicates result is based on a dilution
 P - Greater than 25% diff. between 2 GC columns.
 MDL - Minimum detection limit
 RL - Reporting limit



ANALYSIS DATA SHEET
EPA 8260

Client: **BRINKERHOFF ENVIRONMENTAL**
 Client Sample ID: **EP-15**
 Lab Sample ID: **1502031-02RE1**
 Project: **138th Street, Bronx, NY; 10BR188**
 Work Order: **1502031**

Date Sampled:	11/09/15 10:50	Prep Date:	11/17/15 14:46	Matrix:	Soil
Percent Solids:	58.00	Prep Method:	EPA 5035A	File ID:	D13079.D
Prep Batch:	B5K1710	Sequence:	S5K1708	Analyzed:	11/17/15 14:46
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
107-02-8	Acrolein	ND <i>uJ</i>	17.4	29.0	U
107-13-1	Acrylonitrile	ND <i>↓</i>	5.81	29.0	U
67-64-1	Acetone	36.0 <i>J</i>	2.90	5.81	B
75-71-8	Dichlorodifluoromethane	ND <i>uJ</i>	2.90	5.81	U
74-87-3	Chloromethane	ND	2.90	5.81	U
75-01-4	Vinyl chloride	ND	2.90	5.81	U
74-83-9	Bromomethane	ND	2.90	5.81	U
75-00-3	Chloroethane	ND	2.90	5.81	U
75-69-4	Trichlorofluoromethane	ND	2.90	5.81	U
75-35-4	1,1-Dichloroethene	ND	2.90	5.81	U
75-15-0	Carbon disulfide	9.14 <i>J</i>	2.90	5.81	U
75-09-2	Methylene Chloride	ND <i>uJ</i>	2.90	5.81	U
156-80-5	trans-1,2-Dichloroethene	ND	2.90	5.81	U
75-34-3	1,1-Dichloroethane	ND	2.90	5.81	U
108-05-4	Vinyl acetate	ND	2.90	5.81	U
590-20-7	2,2-Dichloropropane	ND	2.90	5.81	U
78-93-3	2-Butanone	ND	2.90	5.81	U
156-59-4	cis-1,2-Dichloroethene	ND	2.90	5.81	U
67-66-3	Chloroform	ND	2.90	5.81	U
74-97-5	Bromochloromethane	ND	2.90	5.81	U
71-55-6	1,1,1-Trichloroethane	ND	2.90	5.81	U
563-58-6	1,1-Dichloropropene	ND	2.90	5.81	U
56-23-5	Carbon Tetrachloride	ND	2.90	5.81	U
107-06-2	1,2-Dichloroethane	ND	2.90	5.81	U
71-43-2	Benzene	ND	2.90	5.81	U



ANALYSIS DATA SHEET
EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-16
Lab Sample ID: 1502031-02RE1
Project: 138th Street, Bronx, NY; 10BR188
Work Order: 1502031

Date Sampled:	11/09/15 10:50	Prep Date:	11/17/15 14:46	Matrix:	Soil
Percent Solids:	58.00	Prep Method:	EPA 5035A	File ID:	D13079.D
Prep Batch:	B5K1710	Sequence:	S5K1708	Analyzed:	11/17/15 14:46
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
79-01-6	Trichloroethene	ND ^{UJ}	2.90	5.81	U
78-87-5	1,2-Dichloropropane	ND	2.90	5.81	U
75-27-4	Bromodichloromethane	ND	2.90	5.81	U
74-95-3	Dibromomethane	ND	2.90	5.81	U
110-75-8	2-Chloroethyl vinyl ether	ND	2.90	5.81	U
10061-01-5	cis-1,3-Dichloropropene	ND	2.90	5.81	U
108-88-3	Toluene	ND	2.90	5.81	U
10061-02-6	trans-1,3-Dichloropropene	ND	2.90	5.81	U
79-00-5	1,1,2-Trichloroethane	ND	2.90	5.81	U
108-10-1	4-Methyl-2-pentanone	ND	2.90	5.81	U
106-93-4	1,2-Dibromoethane	ND	2.90	5.81	U
591-78-6	2-Hexanone	ND	2.90	5.81	U
142-28-9	1,3-Dichloropropane	ND	2.90	5.81	U
127-18-4	Tetrachloroethene	ND	2.90	5.81	U
124-48-1	Dibromochloromethane	ND	2.90	5.81	U
100-41-4	Ethylbenzene	ND	2.90	5.81	U
108-90-7	Chlorobenzene	ND	2.90	5.81	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.90	5.81	U
108-38-3/106-42	m,p-Xylenes	ND	5.81	11.6	U
95-47-6	o-Xylene	ND	5.81	11.6	U
100-42-5	Styrene	ND	2.90	11.6	U
75-25-2	Bromoform	ND	2.90	5.81	U
98-82-8	Isopropylbenzene	ND	2.90	5.81	U
79-34-5	1,1,1,2-Tetrachloroethane	ND	2.90	5.81	U
96-18-4	1,2,3-Trichloropropane	ND	2.90	5.81	U



ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-15
Lab Sample ID: 1502031-02RE1
Project: 138th Street, Bronx, NY; 10BR188
Work Order: 1502031

Date Sampled:	11/09/15 10:50	Prep Date:	11/17/15 14:46	Matrix:	Soil
Percent Solids:	58.00	Prep Method:	EPA 5035A	File ID:	D13079.D
Prep Batch:	B5K1710	Sequence:	S5K1708	Analyzed:	11/17/15 14:46
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
103-65-1	n-Propyl Benzene	ND <i>UJ</i>	2.90	5.81	U
108-86-1	Bromobenzene	ND	2.90	5.81	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.90	5.81	U
95-49-8	2-Chlorotoluene	ND	2.90	5.81	U
106-43-4	4-Chlorotoluene	ND	2.90	5.81	U
98-06-6	tert-Butylbenzene	ND	2.90	5.81	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.90	5.81	U
135-98-8	sec-Butylbenzene	ND	2.90	5.81	U
99-87-6	p-Isopropyltoluene	ND	2.90	5.81	U
541-73-1	1,3-Dichlorobenzene	ND	2.90	5.81	U
106-46-7	1,4-Dichlorobenzene	ND	2.90	5.81	U
104-51-8	n-Butyl Benzene	ND	2.90	5.81	U
95-50-1	1,2-Dichlorobenzene	ND	2.90	5.81	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.90	5.81	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.90	5.81	U
87-68-3	Hexachlorobutadiene	ND	2.90	5.81	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.90	5.81	U

<u>Surrogate</u>	<u>% Recovery</u>	<u>Recovery Limits</u>
1,2-Dichloroethane-d4	116%	70-130
Toluene-d8	102%	70-130
Bromofluorobenzene	68% *	70-130

* Values outside of QC limits
 ND - Indicates compound analyzed for but not detected
 U - Indicates compound analyzed for but not detected
 J - Indicates estimated value for TICs and all results when detected below the RL
 B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard
 D - Indicates result is based on a dilution
 P - Greater than 25% diff. between 2 GC columns.
 MDL - Minimum detection limit
 RL - Reporting limit

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ANALYSIS DATA SHEET
EPA 8260

Client: **BRINKERHOFF ENVIRONMENTAL**
 Client Sample ID: **EP-16**
 Lab Sample ID: **1502031-03**
 Project: **138th Street, Bronx, NY; 10BR188**
 Work Order: **1502031**

Date Sampled:	11/09/15 11:10	Prep Date:	11/16/15 17:52	Matrix:	Soil
Percent Solids:	84.20	Prep Method:	EPA 5035A	File ID:	D13060.D
Prep Batch:	B5K1614	Sequence:	S5K1604	Analyzed:	11/16/15 17:52
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
107-02-8	Acrolein	ND	9.00	15.0	U
107-13-1	Acrylonitrile	ND	3.00	15.0	U
67-64-1	Acetone	63.4 J	1.50	3.00	B
75-71-8	Dichlorodifluoromethane	ND UJ	1.50	3.00	U
74-87-3	Chloromethane	ND	1.50	3.00	U
75-01-4	Vinyl chloride	ND	1.50	3.00	U
74-83-9	Bromomethane	ND	1.50	3.00	U
75-00-3	Chloroethane	ND	1.50	3.00	U
75-69-4	Trichlorofluoromethane	ND	1.50	3.00	U
75-35-4	1,1-Dichloroethene	ND	1.50	3.00	U
75-15-0	Carbon disulfide	ND	1.50	3.00	U
75-09-2	Methylene Chloride	ND	1.50	3.00	U
156-60-5	trans-1,2-Dichloroethene	ND	1.50	3.00	U
75-34-3	1,1-Dichloroethane	ND	1.50	3.00	U
108-05-4	Vinyl acetate	ND	1.50	3.00	U
590-20-7	2,2-Dichloropropane	ND	1.50	3.00	U
78-93-3	2-Butanone	ND	1.50	3.00	U
156-59-4	cis-1,2-Dichloroethene	ND	1.50	3.00	U
67-66-3	Chloroform	ND	1.50	3.00	U
74-97-5	Bromochloromethane	ND	1.50	3.00	U
71-55-6	1,1,1-Trichloroethane	ND	1.50	3.00	U
563-58-6	1,1-Dichloropropene	ND	1.50	3.00	U
56-23-5	Carbon Tetrachloride	ND	1.50	3.00	U
107-06-2	1,2-Dichloroethane	ND	1.50	3.00	U
71-43-2	Benzene	ND	1.50	3.00	U



ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-16
Lab Sample ID: 1502031-03
Project: 138th Street, Bronx, NY; 10BR188
Work Order: 1502031

Date Sampled:	11/09/15 11:10	Prep Date:	11/16/15 17:52	Matrix:	Soil
Percent Solids:	84.20	Prep Method:	EPA 5035A	File ID:	D13060.D
Prep Batch:	B5K1614	Sequence:	S5K1604	Analyzed:	11/16/15 17:52
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
79-01-6	Trichloroethene	ND	1.50	3.00	U
78-87-5	1,2-Dichloropropane	ND	1.50	3.00	U
75-27-4	Bromodichloromethane	ND	1.50	3.00	U
74-95-3	Dibromomethane	ND	1.50	3.00	U
110-75-8	2-Chloroethyl vinyl ether	ND	1.50	3.00	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.50	3.00	U
108-88-3	Toluene	ND	1.50	3.00	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.50	3.00	U
79-00-5	1,1,2-Trichloroethane	ND	1.50	3.00	U
108-10-1	4-Methyl-2-pentanone	ND	1.50	3.00	U
106-93-4	1,2-Dibromoethane	ND	1.50	3.00	U
591-78-6	2-Hexanone	ND	1.50	3.00	U
142-28-9	1,3-Dichloropropane	ND	1.50	3.00	U
127-18-4	Tetrachloroethene	ND	1.50	3.00	U
124-48-1	Dibromochloromethane	ND	1.50	3.00	U
100-41-4	Ethylbenzene	4.66	1.50	3.00	
108-90-7	Chlorobenzene	ND	1.50	3.00	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.50	3.00	U
108-38-3/106-42	m,p-Xylenes	8.71	3.00	6.00	
95-47-6	o-Xylene	16.5	3.00	6.00	
100-42-5	Styrene	ND	1.50	6.00	U
75-25-2	Bromoform	ND	1.50	3.00	U
98-82-8	Isopropylbenzene	11.9	1.50	3.00	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.50	3.00	U
96-18-4	1,2,3-Trichloropropane	ND	1.50	3.00	U



ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-16
Lab Sample ID: 1502031-03
Project: 138th Street, Bronx, NY; 10BR188
Work Order: 1502031

Date Sampled:	11/09/15 11:10	Prep Date:	11/16/15 17:52	Matrix:	Soil
Percent Solids:	84.20	Prep Method:	EPA 5035A	File ID:	D13060.D
Prep Batch:	B5K1614	Sequence:	S5K1604	Analyzed:	11/16/15 17:52
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
103-65-1	n-Propyl Benzene	23.2	1.50	3.00	
108-86-1	Bromobenzene	ND	1.50	3.00	U
108-67-8	1,3,5-Trimethylbenzene	37.4	1.50	3.00	
95-49-8	2-Chlorotoluene	ND	1.50	3.00	U
106-43-4	4-Chlorotoluene	ND	1.50	3.00	U
98-06-6	tert-Butylbenzene	1.71	1.50	3.00	J
95-63-6	1,2,4-Trimethylbenzene	24.0	1.50	3.00	
135-98-8	sec-Butylbenzene	7.36	1.50	3.00	
99-87-6	p-Isopropyltoluene	8.68	1.50	3.00	
541-73-1	1,3-Dichlorobenzene	ND	1.50	3.00	U
106-46-7	1,4-Dichlorobenzene	ND	1.50	3.00	U
104-51-8	n-Butyl Benzene	15.9	1.50	3.00	
95-50-1	1,2-Dichlorobenzene	ND	1.50	3.00	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.50	3.00	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.50	3.00	U
87-68-3	Hexachlorobutadiene	ND	1.50	3.00	U
87-61-6	1,2,3-Trichlorobenzene	ND	1.50	3.00	U

<u>Surrogate</u>	<u>% Recovery</u>	<u>Recovery Limits</u>
1,2-Dichloroethane-d4	116%	70-130
Toluene-d8	98%	70-130
Bromofluorobenzene	106%	70-130

* Values outside of QC limits

ND - Indicates compound analyzed for but not detected

U - Indicates compound analyzed for but not detected

J - Indicates estimated value for TICs and all results when detected below the RL

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.

MDL - Minimum detection limit

RL - Reporting limit



ANALYSIS DATA SHEET
EPA 8270

Client: **BRINKERHOFF ENVIRONMENTAL**
 Client Sample ID: **EP-14**
 Lab Sample ID: **1502031-01**
 Project: **138th Street, Bronx, NY; 10BR188**
 Work Order: **1502031**

Date Sampled:	11/09/15 10:40	Prep Date:	11/13/15 05:53	Matrix:	Soil
Percent Solids:	63.00	Prep Method:	EPA 3550B GCMS	File ID:	B2927.D
Prep Batch:	B5K1301	Sequence:	S5K1308	Analyzed:	11/14/15 01:44
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
62-75-9	N-Nitrosodimethylamine	ND	52.9	265	U
108-95-2	Phenol	ND	52.9	265	U
111-44-4	bis(2-chloroethyl)ether	ND	52.9	265	U
95-57-8	2-Chlorophenol	ND	52.9	265	U
541-73-1	1,3-Dichlorobenzene	ND	52.9	265	U
106-46-7	1,4-Dichlorobenzene	ND	52.9	265	U
100-51-6	Benzyl alcohol	ND	52.9	265	U
95-50-1	1,2-Dichlorobenzene	ND	52.9	265	U
95-48-7	2-Methylphenol	ND	52.9	265	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	52.9	265	U
106-44-5	3 & 4-Methylphenol	ND	52.9	265	U
621-64-7	N-Nitroso-di-n-propylamine	ND	52.9	265	U
67-72-1	Hexachloroethane	ND	52.9	265	U
98-95-3	Nitrobenzene	ND	52.9	265	U
78-59-1	Isophorone	ND	52.9	265	U
88-75-5	2-Nitrophenol	ND	52.9	265	U
105-67-9	2,4-Dimethylphenol	ND	52.9	265	U
65-85-0	Benzoic acid	ND	132	529	U
111-91-1	bis(2-chloroethoxy)methane	ND	52.9	265	U
120-83-2	2,4-Dichlorophenol	ND	52.9	265	U
120-82-1	1,2,4-Trichlorobenzene	ND	52.9	265	U
91-20-3	Naphthalene	252	52.9	265	J
106-47-8	4-Chloroaniline	ND <i>us</i>	52.9	265	U
87-68-3	Hexachlorobutadiene	ND	52.9	265	U
59-50-7	4-Chloro-3-methylphenol	ND	52.9	265	U

MIC 11/15/15



**ANALYSIS DATA SHEET
EPA 8270**

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-14
Lab Sample ID: 1502031-01
Project: 138th Street, Bronx, NY; 10BR188
Work Order: 1502031

Date Sampled:	11/09/15 10:40	Prep Date:	11/13/15 05:53	Matrix:	Soil
Percent Solids:	63.00	Prep Method:	EPA 3550B GCMS	File ID:	B2927.D
Prep Batch:	B5K1301	Sequence:	SSK1308	Analyzed:	11/14/15 01:44
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
91-57-6	2-Methylnaphthylene	87.4	52.9	265	J
77-47-4	Hexachlorocyclopentadiene	ND	52.9	265	U
88-06-2	2,4,6-Trichlorophenol	ND	52.9	265	U
95-95-4	2,4,5-Trichlorophenol	ND	52.9	265	U
91-58-7	2-Chloronaphthalene	ND	52.9	265	U
88-74-4	2-Nitroaniline	ND	52.9	265	U
131-11-3	Dimethylphthalate	ND	52.9	265	U
208-96-8	Acenaphthylene	ND	52.9	265	U
99-09-2	3-Nitroaniline	ND	52.9	265	U
83-32-9	Acenaphthene	139	52.9	265	J
51-28-5	2,4-Dinitrophenol	ND <i>u.s</i>	52.9	529	U
100-02-7	4-Nitrophenol	ND	52.9	265	U
132-64-9	Dibenzofuran	130	52.9	265	J
606-20-2	2,6-Dinitrotoluene	ND	52.9	265	U
121-14-2	2,4-Dinitrotoluene	ND	52.9	265	U
84-66-2	Diethyl phthalate	ND	52.9	265	U
7005-72-3	4-Chlorophenyl-phenylether	ND	52.9	265	U
86-73-7	Fluorene	204	52.9	265	J
100-01-6	4-Nitroaniline	ND	52.9	265	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	52.9	265	U
86-30-6	N-Nitrosodiphenylamine	ND	52.9	265	U
101-55-3	4-Bromophenyl-phenylether	ND	52.9	265	U
118-74-1	Hexachlorobenzene	ND	52.9	265	U
87-86-5	Pentachlorophenol	ND	52.9	265	U
85-01-8	Phenanthrene	1370	52.9	265	

11/10/15



ANALYSIS DATA SHEET
EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-14
Lab Sample ID: 1502031-01
Project: 138th Street, Bronx, NY; 10BR188
Work Order: 1502031

Date Sampled:	11/09/15 10:40	Prep Date:	11/13/15 05:53	Matrix:	Soil
Percent Solids:	63.00	Prep Method:	EPA 3550B GCMS	File ID:	B2927.D
Prep Batch:	B5K1301	Sequence:	S5K1308	Analyzed:	11/14/15 01:44
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
120-12-7	Anthracene	335	52.9	265	
84-74-2	Di-n-butyl phthalate	ND	52.9	265	U
206-44-0	Fluoranthene	1440	52.9	265	
129-00-0	Pyrene	1100	52.9	265	
85-68-7	Butylbenzylphthalate	ND	52.9	265	U
91-94-1	3,3'-Dichlorobenzidine	ND	132	265	U
56-55-3	Benzo[a]anthracene	539	52.9	265	
117-81-7	bis(2-ethylhexyl)phthalate	193	52.9	265	J
218-01-9	Chrysene	526	52.9	265	
117-84-0	Di-n-octyl phthalate	ND	52.9	265	U
205-99-2	Benzo[b]fluoranthene	492	52.9	265	
207-08-9	Benzo[k]fluoranthene	399	52.9	265	
50-32-8	Benzo[a]pyrene	504	52.9	265	
193-39-5	Indeno(1,2,3-cd)pyrene	202	52.9	265	J
53-70-3	Dibenzo(a,h)anthracene	111	52.9	265	J
191-24-2	Benzo[ghi]perylene	201	52.9	265	J

<u>Surrogate</u>	<u>% Recovery</u>	<u>Recovery Limits</u>
2-Fluorophenol	68%	30-130
Phenol-d5	87%	30-130
Nitrobenzene-d5	66%	30-130
2-Fluorobiphenyl	63%	30-130
2,4,6-Tribromophenol	95%	30-130
Terphenyl-d14	67%	30-130



ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-15
Lab Sample ID: 1502031-02
Project: 138th Street, Bronx, NY; 10BR188
Work Order: 1502031

Date Sampled:	11/09/15 10:50	Prep Date:	11/13/15 05:53	Matrix:	Soil
Percent Solids:	58.00	Prep Method:	EPA 3550B GCMS	File ID:	B2928.D
Prep Batch:	B5K1301	Sequence:	SSK1308	Analyzed:	11/14/15 02:29
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
62-75-9	N-Nitrosodimethylamine	ND	57.4	288	U
108-95-2	Phenol	ND	57.4	288	U
111-44-4	bis(2-chloroethyl)ether	ND	57.4	288	U
95-57-8	2-Chlorophenol	ND	57.4	288	U
541-73-1	1,3-Dichlorobenzene	ND	57.4	288	U
106-46-7	1,4-Dichlorobenzene	ND	57.4	288	U
100-51-6	Benzyl alcohol	ND	57.4	288	U
95-50-1	1,2-Dichlorobenzene	ND	57.4	288	U
95-48-7	2-Methylphenol	ND	57.4	288	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	57.4	288	U
106-44-5	3 & 4-Methylphenol	ND	57.4	288	U
621-64-7	N-Nitroso-di-n-propylamine	ND	57.4	288	U
67-72-1	Hexachloroethane	ND	57.4	288	U
98-95-3	Nitrobenzene	ND	57.4	288	U
78-59-1	Isophorone	ND	57.4	288	U
88-75-5	2-Nitrophenol	ND	57.4	288	U
105-67-9	2,4-Dimethylphenol	ND	57.4	288	U
65-85-0	Benzoic acid	ND	143	574	U
111-91-1	bis(2-chloroethoxy)methane	ND	57.4	288	U
120-83-2	2,4-Dichlorophenol	ND	57.4	288	U
120-82-1	1,2,4-Trichlorobenzene	ND	57.4	288	U
91-20-3	Naphthalene	ND	57.4	288	U
106-47-8	4-Chloroaniline	ND <i>u5</i>	57.4	288	U
87-68-3	Hexachlorobutadiene	ND	57.4	288	U
59-50-7	4-Chloro-3-methylphenol	ND	57.4	288	U



ANALYSIS DATA SHEET
EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-15
Lab Sample ID: 1602031-02
Project: 138th Street, Bronx, NY; 10BR188
Work Order: 1502031

Date Sampled:	11/09/15 10:50	Prep Date:	11/13/15 05:53	Matrix:	Soil
Percent Solids:	58.00	Prep Method:	EPA 3550B GCMS	File ID:	B2928.D
Prep Batch:	B5K1301	Sequence:	SSK1308	Analyzed:	11/14/15 02:29
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
91-57-6	2-Methylnaphthylene	ND	57.4	288	U
77-47-4	Hexachlorocyclopentadiene	ND	57.4	288	U
88-06-2	2,4,6-Trichlorophenol	ND	57.4	288	U
95-95-4	2,4,5-Trichlorophenol	ND	57.4	288	U
91-58-7	2-Chloronaphthalene	ND	57.4	288	U
88-74-4	2-Nitroaniline	ND	57.4	288	U
131-11-3	Dimethylphthalate	ND	57.4	288	U
208-96-8	Acenaphthylene	ND	57.4	288	U
99-09-2	3-Nitroaniline	ND	57.4	288	U
83-32-9	Acenaphthene	ND	57.4	288	U
51-28-5	2,4-Dinitrophenol	ND <i>US</i>	57.4	574	U
100-02-7	4-Nitrophenol	ND	57.4	288	U
132-64-9	Dibenzofuran	ND	57.4	288	U
606-20-2	2,6-Dinitrotoluene	ND	57.4	288	U
121-14-2	2,4-Dinitrotoluene	ND	57.4	288	U
84-66-2	Diethyl phthalate	ND	57.4	288	U
7005-72-3	4-Chlorophenyl-phenylether	ND	57.4	288	U
86-73-7	Fluorene	ND	57.4	288	U
100-01-6	4-Nitroaniline	ND	57.4	288	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	57.4	288	U
86-30-6	N-Nitrosodiphenylamine	ND	57.4	288	U
101-55-3	4-Bromophenyl-phenylether	ND	57.4	288	U
118-74-1	Hexachlorobenzene	ND	57.4	288	U
87-86-5	Pentachlorophenol	ND	57.4	288	U
85-01-8	Phenanthrene	338	57.4	288	



**ANALYSIS DATA SHEET
EPA 8270**

Client: **BRINKERHOFF ENVIRONMENTAL**
 Client Sample ID: **EP-15**
 Lab Sample ID: **1502031-02**
 Project: **138th Street, Bronx, NY; 10BR188**
 Work Order: **1502031**

Date Sampled:	11/09/15 10:50	Prep Date:	11/13/15 05:53	Matrix:	Soil
Percent Solids:	58.00	Prep Method:	EPA 3550B GCMS	File ID:	B2928.D
Prep Batch:	B5K1301	Sequence:	S5K1308	Analyzed:	11/14/15 02:29
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
120-12-7	Anthracene	84.2	57.4	288	J
84-74-2	Di-n-butyl phthalate	ND	57.4	288	U
206-44-0	Fluoranthene	532	57.4	288	
129-00-0	Pyrene	453	57.4	288	
85-68-7	Butylbenzylphthalate	ND	57.4	288	U
91-94-1	3,3'-Dichlorobenzidine	ND	143	288	U
56-55-3	Benzo[a]anthracene	226	57.4	288	J
117-81-7	bis(2-ethylhexyl)phthalate	ND	57.4	288	U
218-01-9	Chrysene	236	57.4	288	J
117-84-0	Di-n-octyl phthalate	ND	57.4	288	U
205-99-2	Benzo[b]fluoranthene	249	57.4	288	J
207-08-9	Benzo[k]fluoranthene	200	57.4	288	J
50-32-8	Benzo[a]pyrene	245	57.4	288	J
193-39-5	Indeno(1,2,3-cd)pyrene	87.9	57.4	288	J
53-70-3	Dibenzo(a,h)anthracene	ND	57.4	288	U
191-24-2	Benzo[ghi]perylene	86.1	57.4	288	J

<u>Surrogate</u>	<u>% Recovery</u>	<u>Recovery Limits</u>
2-Fluorophenol	68%	30-130
Phenol-d5	86%	30-130
Nitrobenzene-d5	66%	30-130
2-Fluorobiphenyl	64%	30-130
2,4,6-Tribromophenol	97%	30-130
Terphenyl-d14	69%	30-130



ANALYSIS DATA SHEET
EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-16
Lab Sample ID: 1502031-03
Project: 138th Street, Bronx, NY; 10BR188
Work Order: 1502031

Date Sampled:	11/09/15 11:10	Prep Date:	11/13/15 05:53	Matrix:	Soil
Percent Solids:	84.20	Prep Method:	EPA 3550B GCMS	File ID:	B2929.D
Prep Batch:	B5K1301	Sequence:	S5K1308	Analyzed:	11/14/15 03:14
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
62-75-9	N-Nitrosodimethylamine	ND	39.5	198	U
108-95-2	Phenol	ND	39.5	198	U
111-44-4	bis(2-chloroethyl)ether	ND	39.5	198	U
95-57-8	2-Chlorophenol	ND	39.5	198	U
541-73-1	1,3-Dichlorobenzene	ND	39.5	198	U
106-46-7	1,4-Dichlorobenzene	ND	39.5	198	U
100-51-6	Benzyl alcohol	ND	39.5	198	U
95-50-1	1,2-Dichlorobenzene	ND	39.5	198	U
95-48-7	2-Methylphenol	ND	39.5	198	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	39.5	198	U
106-44-5	3 & 4-Methylphenol	ND	39.5	198	U
621-64-7	N-Nitroso-di-n-propylamine	ND	39.5	198	U
67-72-1	Hexachloroethane	ND	39.5	198	U
98-95-3	Nitrobenzene	ND	39.5	198	U
78-59-1	Isophorone	ND	39.5	198	U
88-75-5	2-Nitrophenol	ND	39.5	198	U
105-67-9	2,4-Dimethylphenol	ND	39.5	198	U
65-85-0	Benzoic acid	ND	98.6	395	U
111-91-1	bis(2-chloroethoxy)methane	ND	39.5	198	U
120-83-2	2,4-Dichlorophenol	ND	39.5	198	U
120-82-1	1,2,4-Trichlorobenzene	ND	39.5	198	U
91-20-3	Naphthalene	521	39.5	198	
106-47-8	4-Chloroaniline	ND <i>MS</i>	39.5	198	U
87-68-3	Hexachlorobutadiene	ND	39.5	198	U
59-50-7	4-Chloro-3-methylphenol	ND	39.5	198	U

MKP 10/25/16



**ANALYSIS DATA SHEET
EPA 8270**

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-16
Lab Sample ID: 1502031-03
Project: 138th Street, Bronx, NY; 10BR188
Work Order: 1502031

Date Sampled:	11/09/15 11:10	Prep Date:	11/13/15 05:53	Matrix:	Soil
Percent Solids:	84.20	Prep Method:	EPA 3550B GCMS	File ID:	B2929.D
Prep Batch:	B5K1301	Sequence:	S5K1308	Analyzed:	11/14/15 03:14
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
91-57-6	2-Methylnaphthylene	706	39.5	198	
77-47-4	Hexachlorocyclopentadiene	ND	39.5	198	U
88-06-2	2,4,6-Trichlorophenol	ND	39.5	198	U
95-95-4	2,4,5-Trichlorophenol	ND	39.5	198	U
91-58-7	2-Chloronaphthalene	ND	39.5	198	U
88-74-4	2-Nitroaniline	ND	39.5	198	U
131-11-3	Dimethylphthalate	ND	39.5	198	U
208-96-8	Acenaphthylene	47.8	39.5	198	J
99-09-2	3-Nitroaniline	ND	39.5	198	U
83-32-9	Acenaphthene	310	39.5	198	
51-28-5	2,4-Dinitrophenol	ND <i>u3</i>	39.5	395	U
100-02-7	4-Nitrophenol	ND	39.5	198	U
132-64-9	Dibenzofuran	162	39.5	198	J
606-20-2	2,6-Dinitrotoluene	ND	39.5	198	U
121-14-2	2,4-Dinitrotoluene	ND	39.5	198	U
84-66-2	Diethyl phthalate	ND	39.5	198	U
7005-72-3	4-Chlorophenyl-phenylether	ND	39.5	198	U
86-73-7	Fluorene	336	39.5	198	
100-01-6	4-Nitroaniline	ND	39.5	198	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	39.5	198	U
86-30-6	N-Nitrosodiphenylamine	ND	39.5	198	U
101-55-3	4-Bromophenyl-phenylether	ND	39.5	198	U
118-74-1	Hexachlorobenzene	ND	39.5	198	U
87-86-5	Pentachlorophenol	ND	39.5	198	U
85-01-8	Phenanthrene	2310	39.5	198	



ANALYSIS DATA SHEET
EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-16
Lab Sample ID: 1602031-03
Project: 138th Street, Bronx, NY; 10BR188
Work Order: 1502031

Date Sampled:	11/09/15 11:10	Prep Date:	11/13/15 05:53	Matrix:	Soil
Percent Solids:	84.20	Prep Method:	EPA 3550B GCMS	File ID:	B2929.D
Prep Batch:	B5K1301	Sequence:	SSK1308	Analyzed:	11/14/15 03:14
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
120-12-7	Anthracene	514	39.5	198	
84-74-2	Di-n-butyl phthalate	124	39.5	198	J
206-44-0	Fluoranthene	2500	39.5	198	
129-00-0	Pyrene	2170	39.5	198	
85-68-7	Butylbenzylphthalate	ND	39.5	198	U
91-94-1	3,3'-Dichlorobenzidine	ND	98.6	198	U
56-55-3	Benzo[a]anthracene	1030	39.5	198	
117-81-7	bis(2-ethylhexyl)phthalate	61.7	39.5	198	J
218-01-9	Chrysene	1090	39.5	198	
117-84-0	Di-n-octyl phthalate	ND <i>UJ</i>	39.5	198	U
205-99-2	Benzo[b]fluoranthene	956 <i>J</i>	39.5	198	
207-08-9	Benzo[k]fluoranthene	988 <i>J</i>	39.5	198	
50-32-8	Benzo[a]pyrene	1030 <i>J</i>	39.5	198	
193-39-5	Indeno(1,2,3-cd)pyrene	303 <i>J</i>	39.5	198	
53-70-3	Dibenzo(a,h)anthracene	128 <i>J</i>	39.5	198	J
191-24-2	Benzo[ghi]perylene	277 <i>J</i>	39.5	198	

<u>Surrogate</u>	<u>% Recovery</u>	<u>Recovery Limits</u>
2-Fluorophenol	69%	30-130
Phenol-d5	85%	30-130
Nitrobenzene-d5	56%	30-130
2-Fluorobiphenyl	60%	30-130
2,4,6-Tribromophenol	87%	30-130
Terphenyl-d14	63%	30-130



ANALYSIS DATA SHEET

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-14
Lab Sample ID: 1502031-01
Project: 138th Street, Bronx, NY; 10BR188
Work Order: 1502031

Date Sampled:	11/09/15 10:40	Prep Date:	11/11/15 05:48	Matrix:	Soil
Percent Solids:	63.00	Prep Method:	EPA 3550B	File ID:	A20512.D
Prep Batch:	B5K1101	Sequence:	S5K1303	Analyzed:	11/13/15 17:17
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
319-84-6	alpha-BHC	ND	1.05	1.05	U
319-85-7	beta-BHC	ND	1.05	1.05	U
319-86-8	delta-BHC	ND	1.05	1.05	U
58-89-9	gamma-BHC [Lindane]	ND	1.05	1.05	U
76-44-8	Heptachlor	ND	1.05	1.05	U
309-00-2	Aldrin	ND	1.05	1.05	U
1024-57-3	Heptachlor Epoxide	ND	1.05	1.05	U
959-98-8	Endosulfan I	ND	1.05	1.05	U
60-57-1	Dieldrin	ND	2.11	2.11	U
72-55-9	4,4'-DDE	ND	2.11	2.11	U
72-20-8	Endrin	ND	2.11	2.11	U
33213-65-9	Endosulfan II	ND	2.11	2.11	U
72-54-8	4,4'-DDD	ND	2.11	2.11	U
1031-07-8	Endosulfan sulfate	ND	2.11	2.11	U
50-29-3	4,4'-DDT	ND	2.11	2.11	U
72-43-5	Methoxychlor	ND	10.6	10.6	U
53494-70-5	Endrin ketone	ND	2.11	2.11	U
7421-93-4	Endrin aldehyde	ND	2.11	2.11	U
5103-71-9	alpha-Chlordane	ND	1.05	1.05	U
5566-34-7	gamma-Chlordane	ND	1.05	1.05	U
8001-35-2	Toxaphene	ND	52.9	52.9	U
12674-11-2	Aroclor-1016	ND	26.3	52.9	U



ANALYSIS DATA SHEET

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-14
Lab Sample ID: 1502031-01
Project: 138th Street, Bronx, NY, 10BR188
Work Order: 1502031

Date Sampled:	11/09/15 10:40	Prep Date:	11/11/15 05:48	Matrix:	Soil
Percent Solids:	63.00	Prep Method:	EPA 3550B	File ID:	A20512.D
Prep Batch:	B5K1101	Sequence:	S5K1303	Analyzed:	11/13/15 17:17
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
11104-28-2	Aroclor-1221	ND	26.3	52.9	U
11141-16-5	Aroclor-1232	ND	26.3	52.9	U
53469-21-9	Aroclor-1242	ND	26.3	52.9	U
12672-29-6	Aroclor-1248	ND	26.3	52.9	U
11097-69-1	Aroclor-1254	ND	26.3	52.9	U
11096-82-5	Aroclor-1260	ND	26.3	52.9	U
37324-23-5	Aroclor-1262	ND	26.3	52.9	U
11100-14-4	Aroclor-1268	ND	26.3	52.9	U

<u>Surrogate</u>	<u>% Recovery</u>	<u>Recovery Limits</u>
Tetrachloro-m-xylene	81.9%	30-150
Tetrachloro-m-xylene [2C]	78.2%	30-150
Decachlorobiphenyl	87.5%	30-150
Decachlorobiphenyl [2C]	83.0%	30-150

* Values outside of QC limits

ND - Indicates compound analyzed for but not detected

U - Indicates compound analyzed for but not detected

J - Indicates estimated value for TICs and all results when detected below the RL

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.

MDL - Minimum detection limit

RL - Reporting limit



ANALYSIS DATA SHEET

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-15
Lab Sample ID: 1502031-02
Project: 138th Street, Bronx, NY; 10BR188
Work Order: 1502031

Date Sampled:	11/09/15 10:50	Prep Date:	11/11/15 05:48	Matrix:	Soil
Percent Solids:	58.00	Prep Method:	EPA 3550B	File ID:	A20513.D
Prep Batch:	B5K1101	Sequence:	S5K1303	Analyzed:	11/13/15 17:48
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
319-84-6	alpha-BHC	ND	1.14	1.14	U
319-85-7	beta-BHC	ND	1.14	1.14	U
319-86-8	delta-BHC	ND	1.14	1.14	U
58-89-9	gamma-BHC [Lindane]	ND	1.14	1.14	U
76-44-8	Heptachlor	ND	1.14	1.14	U
309-00-2	Aldrin	ND	1.14	1.14	U
1024-57-3	Heptachlor Epoxide	ND	1.14	1.14	U
959-98-8	Endosulfan I	ND	1.14	1.14	U
60-57-1	Dieldrin	ND	2.29	2.29	U
72-55-9	4,4'-DDE	ND	2.29	2.29	U
72-20-8	Endrin	ND	2.29	2.29	U
33213-65-9	Endosulfan II	ND	2.29	2.29	U
72-54-8	4,4'-DDD	ND	2.29	2.29	U
1031-07-8	Endosulfan sulfate	ND	2.29	2.29	U
50-29-3	4,4'-DDT	ND	2.29	2.29	U
72-43-5	Methoxychlor	ND	11.5	11.5	U
53494-70-5	Endrin ketone	ND	2.29	2.29	U
7421-93-4	Endrin aldehyde	ND	2.29	2.29	U
5103-71-9	alpha-Chlordane	ND	1.14	1.14	U
5566-34-7	gamma-Chlordane	ND	1.14	1.14	U
8001-35-2	Toxaphene	ND	57.4	57.4	U
12674-11-2	Aroclor-1016	ND	28.6	57.4	U



ANALYSIS DATA SHEET

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-15
Lab Sample ID: 1502031-02
Project: 138th Street, Bronx, NY, 106188
Work Order: 1502031

Date Sampled:	11/09/15 10:50	Prep Date:	11/11/15 05:48	Matrix:	Soil
Percent Solids:	58.00	Prep Method:	EPA 3550B	File ID:	A20513.D
Prep Batch:	B5K1101	Sequence:	S5K1303	Analyzed:	11/13/15 17:48
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
11104-28-2	Aroclor-1221	ND	28.6	57.4	U
11141-16-5	Aroclor-1232	ND	28.6	57.4	U
53469-21-9	Aroclor-1242	ND	28.6	57.4	U
12672-29-6	Aroclor-1248	ND	28.6	57.4	U
11097-69-1	Aroclor-1254	ND	28.6	57.4	U
11096-82-5	Aroclor-1260	ND	28.6	57.4	U
37324-23-5	Aroclor-1262	ND	28.6	57.4	U
11100-14-4	Aroclor-1268	ND	28.6	57.4	U

<u>Surrogate</u>	<u>% Recovery</u>	<u>Recovery Limits</u>
Tetrachloro-m-xylene	77.4%	30-150
Tetrachloro-m-xylene [2C]	72.7%	30-150
Decachlorobiphenyl	88.1%	30-150
Decachlorobiphenyl [2C]	89.6%	30-150

* Values outside of QC limits

ND - Indicates compound analyzed for but not detected

U - Indicates compound analyzed for but not detected

J - Indicates estimated value for TICs and all results when detected below the RL

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.

MDL - Minimum detection limit

RL - Reporting limit



ANALYSIS DATA SHEET

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-16
Lab Sample ID: 1502031-03
Project: 138th Street, Bronx, NY; 10BR188
Work Order: 1502031

Date Sampled:	11/09/15 11:10	Prep Date:	11/11/15 05:48	Matrix:	Soil
Percent Solids:	84.20	Prep Method:	EPA 3550B	File ID:	A20514.D
Prep Batch:	B5K1101	Sequence:	S5K1303	Analyzed:	11/13/15 18:19
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
319-84-6	alpha-BHC	ND	0.784	0.784	U
319-85-7	beta-BHC	ND	0.784	0.784	U
319-86-8	delta-BHC	ND	0.784	0.784	U
58-89-9	gamma-BHC [Lindane]	ND	0.784	0.784	U
76-44-8	Heptachlor	ND	0.784	0.784	U
309-00-2	Aldrin	ND	0.784	0.784	U
1024-57-3	Heptachlor Epoxide	ND	0.784	0.784	U
959-98-8	Endosulfan I	ND	0.784	0.784	U
60-57-1	Dieldrin	ND	1.58	1.58	U
72-55-9	4,4'-DDE	ND	1.58	1.58	U
72-20-8	Endrin	ND	1.58	1.58	U
33213-65-9	Endosulfan II	ND	1.58	1.58	U
72-54-8	4,4'-DDD	ND	1.58	1.58	U
1031-07-8	Endosulfan sulfate	ND	1.58	1.58	U
50-29-3	4,4'-DDT	ND	1.58	1.58	U
72-43-5	Methoxychlor	ND	7.91	7.91	U
53494-70-5	Endrin ketone	ND	1.58	1.58	U
7421-93-4	Endrin aldehyde	ND	1.58	1.58	U
5103-71-9	alpha-Chlordane	ND	0.784	0.784	U
5566-34-7	gamma-Chlordane	ND	0.784	0.784	U
8001-35-2	Toxaphene	ND	39.5	39.5	U
12674-11-2	Aroclor-1016	ND	19.7	39.5	U



ANALYSIS DATA SHEET

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-16
Lab Sample ID: 1502031-03
Project: 139th Street, Bronx, NY; 10BR188
Work Order: 1502031

Date Sampled:	11/09/15 11:10	Prep Date:	11/11/15 05:48	Matrix:	Soil
Percent Solids:	84.20	Prep Method:	EPA 3550B	File ID:	A20514.D
Prep Batch:	B5K1101	Sequence:	S5K1303	Analyzed:	11/13/15 18:19
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
11104-28-2	Aroclor-1221	ND	19.7	39.5	U
11141-16-5	Aroclor-1232	ND	19.7	39.5	U
53469-21-9	Aroclor-1242	ND	19.7	39.5	U
12672-29-6	Aroclor-1248	ND	19.7	39.5	U
11097-69-1	Aroclor-1254	ND	19.7	39.5	U
11096-82-5	Aroclor-1260	ND	19.7	39.5	U
37324-23-5	Aroclor-1262	ND	19.7	39.5	U
11100-14-4	Aroclor-1268	ND	19.7	39.5	U

<u>Surrogate</u>	<u>% Recovery</u>	<u>Recovery Limits</u>
Tetrachloro-m-xylene	77.1%	30-150
Tetrachloro-m-xylene [2C]	76.1%	30-150
Decachlorobiphenyl	84.5%	30-150
Decachlorobiphenyl [2C]	99.3%	30-150

* Values outside of QC limits

ND - Indicates compound analyzed for but not detected

U - Indicates compound analyzed for but not detected

J - Indicates estimated value for TICs and all results when detected below the RL

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.

MDL - Minimum detection limit

RL - Reporting limit



ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-14
Lab Sample ID: 1502031-01
Project: 138th Street, Bronx, NY; 10BR188
Work Order: 1502031

Date Sampled:	11/09/15 10:40	Matrix:	Soil
Percent Solids:	63.00	File ID:	111215B-018

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
7429-90-5	Aluminum	8800	31.7	31.7	1		11/11/15 13:36	EPA 3050B	11/12/15 14:07 LIT	EPA 6010
7439-97-6	Mercury	ND	0.119	0.119	1	U	11/11/15 11:28	EPA 7471A	11/11/15 15:13 PRT	EPA 7471
7440-36-0	Antimony	ND	6.35	6.35	1	U	11/11/15 13:36	EPA 3050B	11/12/15 14:07 LIT	EPA 6010
7440-38-2	Arsenic	2.88	1.59	1.59	1		11/11/15 13:36	EPA 3050B	11/12/15 14:07 LIT	EPA 6010
7440-39-3	Barium	65.7	31.7	31.7	1		11/11/15 13:36	EPA 3050B	11/12/15 14:07 LIT	EPA 6010
7440-41-7	Beryllium	ND	0.794	0.794	1	U	11/11/15 13:36	EPA 3050B	11/12/15 14:07 LIT	EPA 6010
7440-43-9	Cadmium	ND	0.794	0.794	1	U	11/11/15 13:36	EPA 3050B	11/12/15 14:07 LIT	EPA 6010
7440-70-2	Calcium	9570	39.7	39.7	1		11/11/15 13:36	EPA 3050B	11/12/15 14:07 LIT	EPA 6010
7440-47-3	Chromium	15.8	3.17	3.17	1		11/11/15 13:36	EPA 3050B	11/12/15 14:07 LIT	EPA 6010
7440-48-4	Cobalt	ND	7.94	7.94	1	U	11/11/15 13:36	EPA 3050B	11/12/15 14:07 LIT	EPA 6010
7440-50-8	Copper	30.7	4.76	4.76	1		11/11/15 13:36	EPA 3050B	11/12/15 14:07 LIT	EPA 6010
7439-39-6	Iron	15300	39.7	39.7	1		11/11/15 13:36	EPA 3050B	11/12/15 14:07 LIT	EPA 6010
7439-92-1	Lead	58.0	1.59	1.59	1		11/11/15 13:36	EPA 3050B	11/12/15 14:07 LIT	EPA 6010
7439-95-4	Magnesium	7320	79.4	79.4	1		11/11/15 13:36	EPA 3050B	11/12/15 14:07 LIT	EPA 6010
7439-96-5	Manganese	239	3.17	3.17	1		11/11/15 13:36	EPA 3050B	11/12/15 14:07 LIT	EPA 6010
7440-02-0	Nickel	15.3	6.35	6.35	1		11/11/15 13:36	EPA 3050B	11/12/15 14:07 LIT	EPA 6010
7440-09-7	Potassium	1510	79.4	79.4	1		11/11/15 13:36	EPA 3050B	11/12/15 14:07 LIT	EPA 6010
7782-49-2	Selenium	ND	6.35	6.35	1	U	11/11/15 13:36	EPA 3050B	11/12/15 14:07 LIT	EPA 6010
7440-22-4	Silver	ND	0.794	0.794	1	U	11/11/15 13:36	EPA 3050B	11/12/15 14:07 LIT	EPA 6010
7440-23-5	Sodium	412	79.4	79.4	1		11/11/15 13:36	EPA 3050B	11/12/15 14:07 LIT	EPA 6010
7440-28-0	Thallium	ND	2.38	4.76	1	U	11/11/15 13:36	EPA 3050B	11/12/15 14:07 LIT	EPA 6010
7440-62-2	Vanadium	21.2	7.94	7.94	1		11/11/15 13:36	EPA 3050B	11/12/15 14:07 LIT	EPA 6010
7440-66-6	Zinc	107	9.52	9.52	1		11/11/15 13:36	EPA 3050B	11/12/15 14:07 LIT	EPA 6010

* Values outside of QC limits
 ND - Indicates compound analyzed for but not detected
 U - Indicates compound analyzed for but not detected
 J - Indicates estimated value for TICs and all results when detected below the RL
 B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard
 D - Indicates result is based on a dilution
 P - Greater than 25% diff. between 2 GC columns.
 MDL - Minimum detection limit
 RL - Reporting limit



ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-15
Lab Sample ID: 1502031-02
Project: 138th Street, Bronx, NY; 10BR188
Work Order: 1502031

Date Sampled: 11/09/15 10:50	Matrix: Soil
Percent Solids: 58.00	File ID: 111215B-019

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
7429-90-5	Aluminum	12500	34.5	34.5	1		11/11/15 13:36	EPA 3050B	11/12/15 14:12 LIT	EPA 6010
7439-97-6	Mercury	ND	0.129	0.129	1	U	11/11/15 11:28	EPA 7471A	11/11/15 15:15 PRT	EPA 7471
7440-36-0	Antimony	ND	6.90	6.90	1	U	11/11/15 13:36	EPA 3050B	11/12/15 14:12 LIT	EPA 6010
7440-38-2	Arsenic	4.25	1.72	1.72	1		11/11/15 13:36	EPA 3050B	11/12/15 14:12 LIT	EPA 6010
7440-39-3	Barium	72.1	34.5	34.5	1		11/11/15 13:36	EPA 3050B	11/12/15 14:12 LIT	EPA 6010
7440-41-7	Beryllium	ND	0.862	0.862	1	U	11/11/15 13:36	EPA 3050B	11/12/15 14:12 LIT	EPA 6010
7440-43-9	Cadmium	ND	0.862	0.862	1	U	11/11/15 13:36	EPA 3050B	11/12/15 14:12 LIT	EPA 6010
7440-70-2	Calcium	9880	43.1	43.1	1		11/11/15 13:36	EPA 3050B	11/12/15 14:12 LIT	EPA 6010
7440-47-3	Chromium	21.2	3.45	3.45	1		11/11/15 13:36	EPA 3050B	11/12/15 14:12 LIT	EPA 6010
7440-48-4	Cobalt	ND	8.62	8.62	1	U	11/11/15 13:36	EPA 3050B	11/12/15 14:12 LIT	EPA 6010
7440-50-8	Copper	35.1	5.17	5.17	1		11/11/15 13:36	EPA 3050B	11/12/15 14:12 LIT	EPA 6010
7439-89-6	Iron	21600	43.1	43.1	1		11/11/15 13:36	EPA 3050B	11/12/15 14:12 LIT	EPA 6010
7439-92-1	Lead	74.3	1.72	1.72	1		11/11/15 13:36	EPA 3050B	11/12/15 14:12 LIT	EPA 6010
7439-95-4	Magnesium	7480	86.2	86.2	1		11/11/15 13:36	EPA 3050B	11/12/15 14:12 LIT	EPA 6010
7439-96-5	Manganese	298	3.45	3.45	1		11/11/15 13:36	EPA 3050B	11/12/15 14:12 LIT	EPA 6010
7440-02-0	Nickel	16.5	6.90	6.90	1		11/11/15 13:36	EPA 3050B	11/12/15 14:12 LIT	EPA 6010
7440-09-7	Potassium	1690	86.2	86.2	1		11/11/15 13:36	EPA 3050B	11/12/15 14:12 LIT	EPA 6010
7782-49-2	Selenium	ND	6.90	6.90	1	U	11/11/15 13:36	EPA 3050B	11/12/15 14:12 LIT	EPA 6010
7440-22-4	Silver	ND	0.862	0.862	1	U	11/11/15 13:36	EPA 3050B	11/12/15 14:12 LIT	EPA 6010
7440-23-5	Sodium	1130	86.2	86.2	1		11/11/15 13:36	EPA 3050B	11/12/15 14:12 LIT	EPA 6010
7440-28-0	Thallium	ND	2.59	5.17	1	U	11/11/15 13:36	EPA 3050B	11/12/15 14:12 LIT	EPA 6010
7440-62-2	Vanadium	29.7	8.62	8.62	1		11/11/15 13:36	EPA 3050B	11/12/15 14:12 LIT	EPA 6010
7440-66-6	Zinc	130	10.3	10.3	1		11/11/15 13:36	EPA 3050B	11/12/15 14:12 LIT	EPA 6010

* Values outside of QC limits
 ND - Indicates compound analyzed for but not detected
 U - Indicates compound analyzed for but not detected
 J - Indicates estimated value for TICs and all results when detected below the RL
 B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard
 D - Indicates result is based on a dilution
 P - Greater than 25% diff. between 2 GC columns.
 MDL - Minimum detection limit
 RL - Reporting limit



ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-16
Lab Sample ID: 1502031-03
Project: 138th Street, Bronx, NY; 10BR188
Work Order: 1502031

Date Sampled: 11/09/15 11:10	Matrix: Soil
Percent Solids: 84.20	File ID: 111215B-022

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
7429-90-5	Aluminum	11300	23.8	23.8	1		11/11/15 13:36	EPA 3050B	11/12/15 14:27 LIT	EPA 6010
7439-97-6	Mercury	0.158	0.0891	0.0891	1		11/11/15 11:28	EPA 7471A	11/11/15 15:17 PRT	EPA 7471
7440-36-0	Antimony	ND	4.75	4.75	1	U	11/11/15 13:36	EPA 3050B	11/12/15 14:27 LIT	EPA 6010
7440-38-2	Arsenic	3.66	1.19	1.19	1		11/11/15 13:36	EPA 3050B	11/12/15 14:27 LIT	EPA 6010
7440-39-3	Barium	79.6	23.8	23.8	1		11/11/15 13:36	EPA 3050B	11/12/15 14:27 LIT	EPA 6010
7440-41-7	Beryllium	ND	0.594	0.594	1	U	11/11/15 13:36	EPA 3050B	11/12/15 14:27 LIT	EPA 6010
7440-43-9	Cadmium	ND	0.594	0.594	1	U	11/11/15 13:36	EPA 3050B	11/12/15 14:27 LIT	EPA 6010
7440-70-2	Calcium	13400	29.7	29.7	1		11/11/15 13:36	EPA 3050B	11/12/15 14:27 LIT	EPA 6010
7440-47-3	Chromium	21.4	2.38	2.38	1		11/11/15 13:36	EPA 3050B	11/12/15 14:27 LIT	EPA 6010
7440-48-4	Cobalt	8.44	5.94	5.94	1		11/11/15 13:36	EPA 3050B	11/12/15 14:27 LIT	EPA 6010
7440-50-8	Copper	61.0	3.56	3.56	1		11/11/15 13:36	EPA 3050B	11/12/15 14:27 LIT	EPA 6010
7439-89-6	Iron	22200	29.7	29.7	1		11/11/15 13:36	EPA 3050B	11/12/15 14:27 LIT	EPA 6010
7439-92-1	Lead	149	1.19	1.19	1		11/11/15 13:36	EPA 3050B	11/12/15 14:27 LIT	EPA 6010
7439-95-4	Magnesium	6940	59.4	59.4	1		11/11/15 13:36	EPA 3050B	11/12/15 14:27 LIT	EPA 6010
7439-96-5	Manganese	412	2.38	2.38	1		11/11/15 13:36	EPA 3050B	11/12/15 14:27 LIT	EPA 6010
7440-02-0	Nickel	14.7	4.75	4.75	1		11/11/15 13:36	EPA 3050B	11/12/15 14:27 LIT	EPA 6010
7440-09-7	Potassium	1580	59.4	59.4	1		11/11/15 13:36	EPA 3050B	11/12/15 14:27 LIT	EPA 6010
7782-49-2	Selenium	ND	4.75	4.75	1	U	11/11/15 13:36	EPA 3050B	11/12/15 14:27 LIT	EPA 6010
7440-22-4	Silver	ND	0.594	0.594	1	U	11/11/15 13:36	EPA 3050B	11/12/15 14:27 LIT	EPA 6010
7440-23-5	Sodium	173	59.4	59.4	1		11/11/15 13:36	EPA 3050B	11/12/15 14:27 LIT	EPA 6010
7440-28-0	Thallium	ND	1.78	3.56	1	U	11/11/15 13:36	EPA 3050B	11/12/15 14:27 LIT	EPA 6010
7440-82-2	Vanadium	32.0	5.94	5.94	1		11/11/15 13:36	EPA 3050B	11/12/15 14:27 LIT	EPA 6010
7440-86-6	Zinc	158	7.13	7.13	1		11/11/15 13:36	EPA 3050B	11/12/15 14:27 LIT	EPA 6010

* Values outside of QC limits
 ND - Indicates compound analyzed for but not detected
 U - Indicates compound analyzed for but not detected
 J - Indicates estimated value for TICs and all results when detected below the RL
 B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard
 D - Indicates result is based on a dilution
 P - Greater than 25% diff. between 2 GC columns.
 MDL - Minimum detection limit
 RL - Reporting limit



ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-14
Lab Sample ID: 1502031-01
Project: 138th Street, Bronx, NY; 10BR188
Work Order: 1502031

Date Sampled: 11/09/15 10:40	Matrix: Soil
Percent Solids: 63.00	File ID:

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
NA	Cyanide (total)	ND	1.59	1.59	1	U	11/16/15 08:52	EPA 9010C	11/16/15 17:00 NNM	EPA 9014

CAS NO.	Analyte	Concentration (%)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
NA	Percent Solids	63.0	0.100	0.100	1		11/12/15 09:19	Percent Solids	11/13/15 10:00 CLD	SM 2540 G

* Values outside of QC limits
 ND - Indicates compound analyzed for but not detected
 U - Indicates compound analyzed for but not detected
 J - Indicates estimated value for TICs and all results when detected below the RL
 B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard
 D - Indicates result is based on a dilution
 P - Greater than 25% diff. between 2 GC columns.
 MDL - Minimum detection limit
 RL - Reporting limit



ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-15
Lab Sample ID: 1502031-02
Project: 138th Street, Bronx, NY; 10BR188
Work Order: 1502031

Date Sampled:	11/09/15 10:50	Matrix:	Soil
Percent Solids:	58.00	File ID:	

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
NA	Cyanide (total)	ND	1.72	1.72	1	U	11/16/15 08:52	EPA 9010C	11/16/15 17:00 NNM	EPA 9014

CAS NO.	Analyte	Concentration (%)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
NA	Percent Solids	58.0	0.100	0.100	1		11/12/15 09:19	Percent Solids	11/13/15 10:00 CLO	SM 2540 G

* Values outside of QC limits
 ND - Indicates compound analyzed for but not detected
 U - Indicates compound analyzed for but not detected
 J - Indicates estimated value for TICs and all results when detected below the RL
 B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard
 D - Indicates result is based on a dilution
 P - Greater than 25% diff. between 2 GC columns.
 MDL - Minimum detection limit
 RL - Reporting limit



ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-16
Lab Sample ID: 1502031-03
Project: 138th Street, Bronx, NY; 10BR188
Work Order: 1502031

Date Sampled:	11/09/15 11:10	Matrix:	Soil
Percent Solids:	84.20	File ID:	

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
NA	Cyanide (total)	ND	1.19	1.19	1	U	11/16/15 08:52	EPA 9010C	11/16/15 17:00 NNM	EPA 9014

CAS NO.	Analyte	Concentration (%)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
NA	Percent Solids	84.2	0.100	0.100	1		11/12/15 09:19	Percent Solids	11/13/15 10:00 CLD	SM 2540 G

* Values outside of QC limits
 ND - Indicates compound analyzed for but not detected
 U - Indicates compound analyzed for but not detected
 J - Indicates estimated value for TICs and all results when detected below the RL
 B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard
 D - Indicates result is based on a dilution
 P - Greater than 25% diff. between 2 GC columns.
 MDL - Minimum detection limit
 RL - Reporting limit

Appendix B

*Laboratory
QC
Documentation*



ANALYSIS DATA SHEET

Blank

Client: **BRINKERHOFF ENVIRONMENTAL**
 Work Order: **1502031**
 Project: **138th Street, Bronx, NY; 10BR188**

Matrix:	Solid	Laboratory ID:	B5K1614-BLK1	File ID:	D13047.D
Batch:	B5K1614	Prepared:	11/16/15 10:55	Analyzed:	11/16/15 10:55
Column:	1	Preparation:	EPA 5035A	Dilution:	
		Sequence:	S5K1604	Instrument:	GC/MS D

CAS NO.	COMPOUND	CONC. (ug/kg wet)	MDL	RL	Q
107-02-8	Acrolein	ND	6.00	10.0	U
107-13-1	Acrylonitrile	ND	2.00	10.0	U
67-64-1	Acetone	3.97	1.00	2.00	
75-71-8	Dichlorodifluoromethane	ND	1.00	2.00	U
74-87-3	Chloromethane	ND	1.00	2.00	U
75-01-4	Vinyl chloride	ND	1.00	2.00	U
74-83-9	Bromomethane	ND	1.00	2.00	U
75-00-3	Chloroethane	ND	1.00	2.00	U
75-69-4	Trichlorofluoromethane	ND	1.00	2.00	U
75-35-4	1,1-Dichloroethene	ND	1.00	2.00	U
75-15-0	Carbon disulfide	ND	1.00	2.00	U
75-09-2	Methylene Chloride	ND	1.00	2.00	U
156-60-5	trans-1,2-Dichloroethene	ND	1.00	2.00	U
75-34-3	1,1-Dichloroethane	ND	1.00	2.00	U
108-05-4	Vinyl acetate	ND	1.00	2.00	U
590-20-7	2,2-Dichloropropane	ND	1.00	2.00	U
78-93-3	2-Butanone	ND	1.00	2.00	U
156-59-4	cis-1,2-Dichloroethene	ND	1.00	2.00	U
67-66-3	Chloroform	ND	1.00	2.00	U
74-97-5	Bromochloromethane	ND	1.00	2.00	U
71-55-6	1,1,1-Trichloroethane	ND	1.00	2.00	U
563-58-6	1,1-Dichloropropene	ND	1.00	2.00	U
56-23-5	Carbon Tetrachloride	ND	1.00	2.00	U
197-06-2	1,2-Dichloroethane	ND	1.00	2.00	U



ANALYSIS DATA SHEET

Blank

Client: **BRINKERHOFF ENVIRONMENTAL**
 Work Order: **1502031**
 Project: **138th Street, Bronx, NY; 10BR188**

Matrix:	Solid	Laboratory ID:	B5K1614-BLK1	File ID:	D13047.D
Batch:	B5K1614	Prepared:	11/16/15 10:55	Analyzed:	11/16/15 10:55
Column:	1	Preparation:	EPA 5035A	Dilution:	
		Sequence:	S5K1604	Instrument:	GC/MS D

CAS NO.	COMPOUND	CONC. (ug/kg wet)	MDL	RL	Q
71-43-2	Benzene	ND	1.00	2.00	U
79-01-6	Trichloroethene	ND	1.00	2.00	U
78-87-5	1,2-Dichloropropane	ND	1.00	2.00	U
75-27-4	Bromodichloromethane	ND	1.00	2.00	U
74-95-3	Dibromomethane	ND	1.00	2.00	U
110-75-8	2-Chloroethyl vinyl ether	ND	1.00	2.00	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.00	2.00	U
108-88-3	Toluene	ND	1.00	2.00	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.00	2.00	U
79-00-5	1,1,2-Trichloroethane	ND	1.00	2.00	U
108-10-1	4-Methyl-2-pentanone	ND	1.00	2.00	U
106-93-4	1,2-Dibromoethane	ND	1.00	2.00	U
591-78-6	2-Hexanone	ND	1.00	2.00	U
142-28-9	1,3-Dichloropropane	ND	1.00	2.00	U
127-18-4	Tetrachloroethene	ND	1.00	2.00	U
124-48-1	Dibromochloromethane	ND	1.00	2.00	U
100-41-4	Ethylbenzene	ND	1.00	2.00	U
108-90-7	Chlorobenzene	ND	1.00	2.00	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.00	2.00	U
108-38-3/106-42-3	m,p-Xylenes	ND	2.00	4.00	U
95-47-6	o-Xylene	ND	2.00	4.00	U
100-42-5	Styrene	ND	1.00	4.00	U
75-25-2	Bromoform	ND	1.00	2.00	U
98-82-8	Isopropylbenzene	ND	1.00	2.00	U



ANALYSIS DATA SHEET

Blank

Client: **BRINKERHOFF ENVIRONMENTAL**
 Work Order: **1502031**
 Project: **138th Street, Bronx, NY; 10BR188**

Matrix:	Solid	Laboratory ID:	B5K1614-BLK1	File ID:	D13047.D
Batch:	B5K1614	Prepared:	11/16/15 10:55	Analyzed:	11/16/15 10:55
Column:	1	Preparation:	EPA 5035A	Dilution:	
		Sequence:	S5K1604	Instrument:	GC/MS D

CAS NO.	COMPOUND	CONC. (ug/kg wet)	MDL	RL	Q
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane	ND	1.00	2.00	U
103-65-1	n-Propyl Benzene	ND	1.00	2.00	U
108-86-1	Bromobenzene	ND	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene	ND	1.00	2.00	U
95-49-8	2-Chlorotoluene	ND	1.00	2.00	U
106-43-4	4-Chlorotoluene	ND	1.00	2.00	U
98-06-6	tert-Butylbenzene	ND	1.00	2.00	U
95-63-6	1,2,4-Trimethylbenzene	ND	1.00	2.00	U
135-98-8	sec-Butylbenzene	ND	1.00	2.00	U
99-87-6	p-Isopropyltoluene	ND	1.00	2.00	U
541-73-1	1,3-Dichlorobenzene	ND	1.00	2.00	U
106-46-7	1,4-Dichlorobenzene	ND	1.00	2.00	U
104-51-8	n-Butyl Benzene	ND	1.00	2.00	U
95-50-1	1,2-Dichlorobenzene	ND	1.00	2.00	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.00	2.00	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.00	2.00	U
87-68-3	Hexachlorobutadiene	ND	1.00	2.00	U
91-20-3	Naphthalene	ND	1.00	2.00	U
87-61-6	1,2,3-Trichlorobenzene	ND	1.00	2.00	U
	<u>Surrogate</u>	<u>% Recovery</u>		<u>Recovery Limits</u>	
	1,2-Dichloroethane-d4	107%		70-130	
	Toluene-d8	107%		70-130	
	Bromofluorobenzene	107%		70-130	



METHOD BLANK SUMMARY

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502031
Project: 138th Street, Bronx, NY; 10BR188

Blank ID: B5K1614-BLK1	Batch: B5K1614
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Client Sample ID	Laboratory Sample ID	Lab File ID	Analysis Date/Time
LCS	B5K1614-BS1	D13048.D	11/16/2015 11:37
Matrix Spike	B5K1614-MS1	D13049.D	11/16/2015 12:11
Matrix Spike Dup	B5K1614-MSD1	D13050.D	11/16/2015 12:41
EP-15	1502031-02	D13059.D	11/16/2015 17:23
EP-16	1502031-03	D13060.D	11/16/2015 17:52



ANALYSIS DATA SHEET

Blank

Client: **BRINKERHOFF ENVIRONMENTAL**
 Work Order: **1502031**
 Project: **138th Street, Bronx, NY; 10BR188**

Matrix:	Solid	Laboratory ID:	B5K1710-BLK1	File ID:	D13072.D
Batch:	B5K1710	Prepared:	11/17/15 11:10	Analyzed:	11/17/15 11:10
Column:	1	Preparation:	EPA 5035A	Dilution:	
		Sequence:	S5K1708	Instrument:	GC/MS D

CAS NO.	COMPOUND	CONC. (ug/kg wet)	MDL	RL	Q
107-02-8	Acrolein	ND	60.0	100	U
107-13-1	Acrylonitrile	ND	20.0	100	U
67-64-1	Acetone	61.6	10.0	20.0	
75-71-8	Dichlorodifluoromethane	ND	10.0	20.0	U
74-87-3	Chloromethane	ND	10.0	20.0	U
75-01-4	Vinyl chloride	ND	10.0	20.0	U
74-83-9	Bromomethane	ND	10.0	20.0	U
75-00-3	Chloroethane	ND	10.0	20.0	U
75-69-4	Trichlorofluoromethane	ND	10.0	20.0	U
75-35-4	1,1-Dichloroethene	ND	10.0	20.0	U
75-15-0	Carbon disulfide	ND	10.0	20.0	U
75-09-2	Methylene Chloride	15.9	10.0	20.0	J
156-60-5	trans-1,2-Dichloroethene	ND	10.0	20.0	U
75-34-3	1,1-Dichloroethane	ND	10.0	20.0	U
108-05-4	Vinyl acetate	ND	10.0	20.0	U
590-20-7	2,2-Dichloropropane	ND	10.0	20.0	U
78-93-3	2-Butanone	ND	10.0	20.0	U
156-59-4	cis-1,2-Dichloroethene	ND	10.0	20.0	U
67-66-3	Chloroform	ND	10.0	20.0	U
74-97-5	Bromochloromethane	ND	10.0	20.0	U
71-55-6	1,1,1-Trichloroethane	ND	10.0	20.0	U
563-58-6	1,1-Dichloropropene	ND	10.0	20.0	U
56-23-5	Carbon Tetrachloride	ND	10.0	20.0	U
107-06-2	1,2-Dichloroethane	ND	10.0	20.0	U



ANALYSIS DATA SHEET

Blank

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502031
Project: 138th Street, Bronx, NY; 10BR188

Matrix:	Solid	Laboratory ID:	B5K1710-BLK1	File ID:	D13072.D
Batch:	B5K1710	Prepared:	11/17/15 11:10	Analyzed:	11/17/15 11:10
Column:	1	Preparation:	EPA 5035A	Dilution:	
		Sequence:	S5K1708	Instrument:	GC/MS D

CAS NO.	COMPOUND	CONC. (ug/kg wet)	MDL	RL	Q
71-43-2	Benzene	ND	10.0	20.0	U
79-01-6	Trichloroethene	ND	10.0	20.0	U
78-87-5	1,2-Dichloropropane	ND	10.0	20.0	U
75-27-4	Bromodichloromethane	ND	10.0	20.0	U
74-95-3	Dibromomethane	ND	10.0	20.0	U
110-75-8	2-Chloroethyl vinyl ether	ND	10.0	20.0	U
10061-01-5	cis-1,3-Dichloropropene	ND	10.0	20.0	U
108-88-3	Toluene	ND	10.0	20.0	U
10061-02-6	trans-1,3-Dichloropropene	ND	10.0	20.0	U
79-00-5	1,1,2-Trichloroethane	ND	10.0	20.0	U
108-10-1	4-Methyl-2-pentanone	ND	10.0	20.0	U
106-93-4	1,2-Dibromoethane	ND	10.0	20.0	U
591-78-6	2-Hexanone	ND	10.0	20.0	U
142-28-9	1,3-Dichloropropane	ND	10.0	20.0	U
127-18-4	Tetrachloroethene	ND	10.0	20.0	U
124-48-1	Dibromochloromethane	ND	10.0	20.0	U
100-41-4	Ethylbenzene	ND	10.0	20.0	U
108-90-7	Chlorobenzene	ND	10.0	20.0	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	10.0	20.0	U
108-38-3/106-42-3	m,p-Xylenes	ND	20.0	40.0	U
95-47-6	o-Xylene	ND	20.0	40.0	U
100-42-5	Styrene	ND	10.0	40.0	U
75-25-2	Bromoform	ND	10.0	20.0	U
98-82-8	Isopropylbenzene	ND	10.0	20.0	U



ANALYSIS DATA SHEET

Blank

Client: **BRINKERHOFF ENVIRONMENTAL**
 Work Order: **1502031**
 Project: **138th Street, Bronx, NY; 10BR188**

Matrix:	Solid	Laboratory ID:	B5K1710-BLK1	File ID:	D13072.D
Batch:	B5K1710	Prepared:	11/17/15 11:10	Analyzed:	11/17/15 11:10
Column:	1	Preparation:	EPA 5035A	Dilution:	
		Sequence:	S5K1708	Instrument:	GC/MS D

CAS NO.	COMPOUND	CONC. (ug/kg wet)	MDL	RL	Q
79-34-5	1,1,2,2-Tetrachloroethane	ND	10.0	20.0	U
96-18-4	1,2,3-Trichloropropane	ND	10.0	20.0	U
103-65-1	n-Propyl Benzene	ND	10.0	20.0	U
108-86-1	Bromobenzene	ND	10.0	20.0	U
108-67-8	1,3,5-Trimethylbenzene	ND	10.0	20.0	U
95-49-8	2-Chlorotoluene	ND	10.0	20.0	U
106-43-4	4-Chlorotoluene	ND	10.0	20.0	U
98-06-6	tert-Butylbenzene	ND	10.0	20.0	U
95-63-6	1,2,4-Trimethylbenzene	ND	10.0	20.0	U
135-98-8	sec-Butylbenzene	ND	10.0	20.0	U
99-87-6	p-Isopropyltoluene	ND	10.0	20.0	U
541-73-1	1,3-Dichlorobenzene	ND	10.0	20.0	U
106-46-7	1,4-Dichlorobenzene	ND	10.0	20.0	U
104-51-8	n-Butyl Benzene	ND	10.0	20.0	U
95-50-1	1,2-Dichlorobenzene	ND	10.0	20.0	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	10.0	20.0	U
120-82-1	1,2,4-Trichlorobenzene	ND	10.0	20.0	U
87-68-3	Hexachlorobutadiene	ND	10.0	20.0	U
91-20-3	Naphthalene	ND	10.0	20.0	U
87-61-6	1,2,3-Trichlorobenzene	ND	10.0	20.0	U
	<u>Surrogate</u>	<u>% Recovery</u>		<u>Recovery Limits</u>	
	1,2-Dichloroethane-d4	107%		70-130	
	Toluene-d8	107%		70-130	
	Bromofluorobenzene	104%		70-130	



METHOD BLANK SUMMARY

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502031
Project: 138th Street, Bronx, NY; 10BR188

Blank ID:	B5K1710-BLK1	Batch:	B5K1710
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Client Sample ID	Laboratory Sample ID	Lab File ID	Analysis Date/Time
LCS	B5K1710-BS1	D13073.D	11/17/2015 11:51
Matrix Spike	B5K1710-MS1	D13074.D	11/17/2015 12:22
Matrix Spike Dup	B5K1710-MSD1	D13075.D	11/17/2015 12:52
EP-14	1502031-01	D13078.D	11/17/2015 14:17
EP-15	1502031-02RE1	D13079.D	11/17/2015 14:46



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Client: BRINKERHOFF ENVIRONMENTAL
 Project: 138th Street, Bronx, NY; 10BR188
 Work Order: 1502031

Matrix:	Solid	Analysis Method:	EPA 8260
Prep Batch:	B5K1614	Prep Method:	EPA 5035A
Percent Solids:	87.00	Laboratory ID:	B5K1614-MS1
		Client Sample ID:	1502016-01

ANALYTE	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC.	QC LIMITS REC.
n-Propyl Benzene	57.5	ND	51.3	89	70 - 130
Bromobenzene	57.5	ND	55.2	96	70 - 130
1,3,5-Trimethylbenzene	57.5	ND	51.9	90	70 - 130
2-Chlorotoluene	57.5	ND	51.7	90	70 - 130
4-Chlorotoluene	57.5	ND	54.0	94	70 - 130
tert-Butylbenzene	57.5	ND	50.1	87	70 - 130
1,2,4-Trimethylbenzene	57.5	ND	51.2	89	70 - 130
sec-Butylbenzene	57.5	ND	48.1	84	70 - 130
p-Isopropyltoluene	57.5	ND	49.4	86	70 - 130
1,3-Dichlorobenzene	57.5	ND	52.2	91	70 - 130
1,4-Dichlorobenzene	57.5	ND	53.0	92	70 - 130
n-Butyl Benzene	57.5	ND	46.7	81	70 - 130
1,2-Dichlorobenzene	57.5	ND	55.0	96	70 - 130
1,2-Dibromo-3-chloropropane	57.5	ND	58.7	102	40 - 160
1,2,4-Trichlorobenzene	57.5	ND	50.4	88	70 - 130
Hexachlorobutadiene	57.5	ND	38.9	68	70 - 130
Naphthalene	57.5	ND	59.2	103	40 - 160
1,2,3-Trichlorobenzene	57.5	ND	54.2	94	70 - 130
Methyl tert-Butyl Ether	115	ND	119	104	70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike Dup

Client: BRINKERHOFF ENVIRONMENTAL
Project: 138th Street, Bronx, NY; 10BR188
Work Order: 1502031

Matrix:	Solid	Analysis Method:	EPA 8260
Prep Batch:	B5K1614	Prep Method:	EPA 5035A
Percent Solids:	87.00	Laboratory ID:	B5K1614-MSD1
		Client Sample ID:	1502016-01

ANALYTE	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
Acrolein	287	162	56	43	30	40 - 160
Acrylonitrile	287	257	89	23	30	70 - 130
Acetone	57.5	55.5	86	10	30	40 - 160
Dichlorodifluoromethane	57.5	52.9	92	5	30	40 - 160
Chloromethane	57.5	45.7	80	8	30	40 - 160
Vinyl chloride	57.5	48.1	84	5	30	70 - 130
Bromomethane	57.5	50.3	87	8	30	40 - 160
Chloroethane	57.5	50.1	87	7	30	40 - 160
Trichlorofluoromethane	57.5	48.1	84	7	30	40 - 160
Freon 113	57.5	41.2	72	28	30	70 - 130
1,1-Dichloroethene	57.5	41.7	73	25	30	70 - 130
Carbon disulfide	57.5	49.8	87	28	30	70 - 130
Methyl Acetate	57.5	61.1	106	8	30	70 - 130
Methylene Chloride	57.5	51.1	89	20	30	70 - 130
trans-1,2-Dichloroethene	57.5	43.4	76	26	30	70 - 130
1,1-Dichloroethane	57.5	47.6	83	21	30	70 - 130
2,2-Dichloropropane	57.5	44.6	78	25	30	70 - 130
2-Butanone	57.5	48.8	85	24	30	40 - 160
cis-1,2-Dichloroethene	57.5	47.2	82	20	30	70 - 130
Chloroform	57.5	46.3	81	20	30	70 - 130
Bromochloromethane	57.5	46.6	81	22	30	70 - 130
Cyclohexane	57.5	37.8	66	31	30	70 - 130
1,1,1-Trichloroethane	57.5	43.8	76	26	30	70 - 130
t-Butyl alcohol	57.5	556	97	23	30	40 - 160
1,1-Dichloropropene	57.5	39.8	69	30	30	70 - 130
Carbon Tetrachloride	57.5	40.1	70	25	30	70 - 130
1,2-Dichloroethane	57.5	47.7	83	22	30	70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike Dup

Client: BRINKERHOFF ENVIRONMENTAL
 Project: 138th Street, Bronx, NY; 10BR188
 Work Order: 1502031

Matrix:	Solid	Analysis Method:	EPA 8260
Prep Batch:	B5K1614	Prep Method:	EPA 5035A
Percent Solids:	87.00	Laboratory ID:	B5K1614-MSD1
		Client Sample ID:	1502016-01

ANALYTE	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
Benzene	57.5	43.9	76	23	30	70 - 130
Trichloroethene	57.5	42.2	73	25	30	70 - 130
Methylcyclohexane	57.5	34.3	60 *	32 *	30	70 - 130
1,2-Dichloropropane	57.5	47.4	82	17	30	70 - 130
Bromodichloromethane	57.5	49.5	86	19	30	70 - 130
Dibromomethane	57.5	48.7	85	18	30	70 - 130
2-Chloroethyl vinyl ether	57.5	52.1	91	23	30	40 - 160
cis-1,3-Dichloropropene	57.5	47.5	83	22	30	70 - 130
Toluene	57.5	42.2	73	25	30	70 - 130
trans-1,3-Dichloropropene	57.5	47.4	83	22	30	70 - 130
1,1,2-Trichloroethane	57.5	47.8	83	19	30	70 - 130
4-Methyl-2-pentanone	57.5	48.6	85	20	30	40 - 160
1,2-Dibromoethane	57.5	48.1	84	21	30	70 - 130
2-Hexanone	57.5	44.0	77	28	30	40 - 160
1,3-Dichloropropane	57.5	48.6	85	18	30	70 - 130
Tetrachloroethene	57.5	38.7	67 *	24	30	70 - 130
Dibromochloromethane	57.5	47.7	83	19	30	70 - 130
Ethylbenzene	57.5	40.6	71	26	30	70 - 130
Chlorobenzene	57.5	42.1	73	26	30	70 - 130
1,1,1,2-Tetrachloroethane	57.5	46.0	80	21	30	70 - 130
m,p-Xylenes	115	81.0	70	26	30	70 - 130
o-Xylene	115	84.1	73	27	30	70 - 130
Styrene	115	83.5	73	31 *	30	70 - 130
Bromoform	57.5	49.1	85	28	30	70 - 130
Isopropylbenzene	57.5	40.1	70	24	30	70 - 130
1,1,2,2-Tetrachloroethane	57.5	49.9	87	20	30	70 - 130
1,2,3-Trichloropropane	57.5	49.4	86	21	30	70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike Dup

Client: BRINKERHOFF ENVIRONMENTAL
 Project: 138th Street, Bronx, NY; 106R188
 Work Order: 1502031

Matrix:	Solid	Analysis Method:	EPA 8260
Prep Batch:	B5K1614	Prep Method:	EPA 5035A
Percent Solids:	87.00	Laboratory ID:	B5K1614-MSD1
		Client Sample ID:	1502016-01

ANALYTE	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % REC. #	%	QC LIMITS	
					RPD	REC.
n-Propyl Benzene	57.5	39.5	69 *	26	30	70 - 130
Bromobenzene	57.5	44.0	77	23	30	70 - 130
1,3,5-Trimethylbenzene	57.5	39.8	69 *	26	30	70 - 130
2-Chlorotoluene	57.5	40.7	71	24	30	70 - 130
4-Chlorotoluene	57.5	41.7	72	26	30	70 - 130
tert-Butylbenzene	57.5	38.6	67 *	26	30	70 - 130
1,2,4-Trimethylbenzene	57.5	39.2	68 *	27	30	70 - 130
sec-Butylbenzene	57.5	37.2	65 *	26	30	70 - 130
p-Isopropyltoluene	57.5	36.7	64 *	30 *	30	70 - 130
1,3-Dichlorobenzene	57.5	40.3	70	26	30	70 - 130
1,4-Dichlorobenzene	57.5	40.5	71	27	30	70 - 130
n-Butyl Benzene	57.5	33.7	59 *	32 *	30	70 - 130
1,2-Dichlorobenzene	57.5	42.7	74	25	30	70 - 130
1,2-Dibromo-3-chloropropane	57.5	46.4	81	23	30	40 - 160
1,2,4-Trichlorobenzene	57.5	38.9	68 *	26	30	70 - 130
Hexachlorobutadiene	57.5	27.8	48 *	33 *	30	70 - 130
Naphthalene	57.5	43.2	75	31 *	30	40 - 160
1,2,3-Trichlorobenzene	57.5	41.1	72	27	30	70 - 130
Methyl tert-Butyl Ether	115	108	94	10	30	70 - 130



INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
 Work Order: 1502031
 Project: 138th Street, Bronx, NY; 10BR188
 Sequence: S5K1604

Instrument: GC/MS D
 Calibration: 15L0202

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
EP-15 (1502031-02)			<i>Lab File ID: D13059.D</i>		<i>Analyzed: 11/16/15 17:23</i>				
Pentafluorobenzene	479273	6.46	846570	6.45	57	50 - 200	0.0100	+/-0.50	
1,4-Difluorobenzene	795816	7.16	1509849	7.15	53	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	421339	11.2	1225654	11.2	34	50 - 200	0.0000	+/-0.50	*
1,4-Dichlorobenzene-d4	92461	14.2	494554	14.2	19	50 - 200	0.0000	+/-0.50	* < 25%
EP-16 (1502031-03)			<i>Lab File ID: D13060.D</i>		<i>Analyzed: 11/16/15 17:52</i>				
Pentafluorobenzene	633834	6.46	846570	6.45	75	50 - 200	0.0100	+/-0.50	
1,4-Difluorobenzene	1161975	7.16	1509849	7.15	77	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	810465	11.2	1225654	11.2	66	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	301772	14.2	494554	14.2	61	50 - 200	0.0000	+/-0.50	

* Values outside of QC limits



INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
 Work Order: 1502031
 Project: 138th Street, Bronx, NY; 10BR188
 Sequence: S5K1708

Instrument: GC/MS D
 Calibration: 15L0202

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
EP-14 (1502031-01)			<i>Lab File ID: D13078.D</i>		<i>Analyzed: 11/17/15 14:17</i>				
Pentafluorobenzene	606465	6.43	853567	6.43	71	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	1070818	7.13	1476134	7.13	73	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	791471	11.18	1179264	11.18	67	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	282674	14.18	472213	14.18	60	50 - 200	0.0000	+/-0.50	
EP-15 (1502031-02RE1)			<i>Lab File ID: D13079.D</i>		<i>Analyzed: 11/17/15 14:46</i>				
Pentafluorobenzene	401780	6.44	853567	6.43	47	50 - 200	0.0100	+/-0.50	*
1,4-Difluorobenzene	689691	7.14	1476134	7.13	47	50 - 200	0.0100	+/-0.50	*
Chlorobenzene-d5	434627	11.18	1179264	11.18	37	50 - 200	0.0000	+/-0.50	*
1,4-Dichlorobenzene-d4	131060	14.18	472213	14.18	28	50 - 200	0.0000	+/-0.50	*

* Values outside of QC limits

Data File : D:\D\DATA15\NOV15\D1116\D13045.D
 Acq On : 16 Nov 2015 9:47
 Sample : S5K1604-CCV1
 Misc : SOIL

Vial: 1
 Operator: SG
 Inst : GC/MS D
 Multiplr: 1.00

MS Integration Params: RTEINT.P
 Quant Time: Nov 16 17:14 2015

Quant Results File: VD8S1113.RES

Quant Method : D:\D\METHODS\VD8S1113.M (RTE Integrator)
 Title : VOA 8260 SOIL TCL METHOD
 Last Update : Mon Nov 16 09:11:36 2015
 Response via : Initial Calibration
 DataAcq Meth : VD8S1113

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
51) Tetrachloroethene	9.61	166	453667	47.73	ug/l	97
52) Dibromochloromethane	10.17	129	280768	49.46	ug/l	95
53) Ethylbenzene	11.29	91	1874267	48.48	ug/l	99
54) Chlorobenzene	11.22	112	1103200	49.06	ug/l	99
55) 1,1,1,2-Tetrachloroethane	11.33	131	320973	49.54	ug/l	97
56) m,p-Xylene	11.50	91	2611455	93.37	ug/l	99
57) o-Xylene	12.06	91	2542420	92.66	ug/l	100
58) Styrene	12.13	104	2175864	94.65	ug/l	97
59) Bromoform	12.13	173	135595	51.53	ug/l	81
61) Isopropylbenzene	12.48	105	1828882	48.09	ug/l	96
62) 1,1,2,2-Tetrachloroethane	13.12	83	248775	50.05	ug/l	98
63) 1,2,3-Trichloropropane	13.26	75	182549	48.93	ug/l	100
64) n-Propyl benzene	13.00	91	2265019	49.74	ug/l	96
65) Bromobenzene	12.92	77	575750	48.49	ug/l	100
66) 1,3,5-Trimethylbenzene	13.27	105	1378389	50.23	ug/l	99
67) 2-Chlorotoluene	13.17	91	1126298	49.15	ug/l	94
68) 4-Chlorotoluene	13.38	91	1141702	49.89	ug/l	91
69) tert-Butylbenzene	13.64	119	1334749	49.53	ug/l	97
70) 1,2,4-Trimethylbenzene	13.73	105	1357280	50.08	ug/l	99
71) sec-Butylbenzene	13.86	105	2023879	49.34	ug/l	98
72) p-Isopropyltoluene	14.05	119	1689830	49.18	ug/l	100
73) 1,3-Dichlorobenzene	14.10	146	743064	48.73	ug/l	98
74) 1,4-Dichlorobenzene	14.22	146	732008	49.44	ug/l	100
75) n-Butylbenzene	14.56	91	1612292	50.46	ug/l	96
76) 1,2-Dichlorobenzene	14.72	146	628700	50.65	ug/l	96
77) 1,2-Dibromo-3-Chloropropan	15.70	157	37004	49.74	ug/l	88
78) 1,2,4-Trichlorobenzene	16.49	180	367249	51.75	ug/l	96
79) Hexachlorobutadiene	16.47	225	204876	51.46	ug/l	96
80) Naphthalene	16.88	128	632499	51.33	ug/l	99
81) 1,2,3-Trichlorobenzene	17.09	180	283831	52.07	ug/l	96
82) Methyl t-butyl ether	3.58	73	1391915	91.17	ug/l	96

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INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8260

Client: **BRINKERHOFF ENVIRONMENTAL**
 Work Order: **1502031**
 Project: **138th Street, Bronx, NY; 10BR188**

Calibration:	15L0202	Instrument:	GC/MS D
		Calibration Date:	11/13/2015 3:00:45PM

COMPOUND	Mean RF	RF RSD	LIMIT	Q
Acrolein	1.181812E-02	17.38443		
Acrylonitrile	8.561063E-02	7.584766		
Acetone	0.1170496	66.21322		
Dichlorodifluoromethane	0.2587039	21.23215		
Chloromethane	0.7905557	13.03528	SPCC (0.1)	
Vinyl chloride	0.9053119	11.39674	CCC (20)	
Bromomethane	0.6143821	13.58003		
Chloroethane	0.9100049	10.42609		
Trichlorofluoromethane	0.7991684	11.47453		
Freon 113	0.7178217	9.474922		
1,1-Dichloroethene	1.056305	9.439874	CCC (20)	
Carbon disulfide	1.839929	10.20064		
Methyl Acetate	0.2450891	12.84099		
Methylene Chloride	0.9668761	39.58532		
trans-1,2-Dichloroethene	0.8601373	7.699565		
1,1-Dichloroethane	1.087945	7.363057	SPCC (0.1)	
Vinyl acetate	0.741366	6.464946		
2,2-Dichloropropane	0.7225349	6.230461		
2-Butanone	0.1453586	9.182834		
cis-1,2-Dichloroethene	0.777772	7.865124		
Chloroform	0.7481054	6.471717	CCC (20)	
Bromochloromethane	0.2820551	7.824594		
Cyclohexane	1.339871	8.271247		
1,1,1-Trichloroethane	0.5785336	6.305736		
t-Butyl alcohol	2.162169E-02	13.27505		



INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8260

Client: **BRINKERHOFF ENVIRONMENTAL**
 Work Order: **1502031**
 Project: **138th Street, Bronx, NY; 10BR188**

Calibration:	15L0202	Instrument:	GC/MS D
		Calibration Date:	11/13/2015 3:00:45PM

COMPOUND	Mean RF	RF RSD	LIMIT	Q
1,1-Dichloropropene	0.1560822	3.255254		
Carbon Tetrachloride	0.2967813	4.078829		
1,2-Dichloroethane	0.2186538	3.997793		
Benzene	1.236865	4.778068		
Trichloroethene	0.2775292	5.934595		
Methylcyclohexane	0.6052219	6.160275		
1,2-Dichloropropane	0.3193203	5.11783	CCC (20)	
1,4-Dioxane	1.232455E-03	12.96952		
Bromodichloromethane	0.2585855	9.027691		
Dibromomethane	0.1152608	6.647037		
2-Chloroethyl vinyl ether	0.1256221	13.92716		
cis-1,3-Dichloropropene	0.3965805	4.425641		
Toluene	1.14699	5.632547	CCC (20)	
trans-1,3-Dichloropropene	0.2871999	3.486732		
1,1,2-Trichloroethane	0.1542789	5.70911		
4-Methyl-2-pentanone	0.160455	5.777099		
1,2-Dibromoethane	0.148165	9.286958		
2-Hexanone	0.1482839	4.753436		
1,3-Dichloropropane	0.3943759	6.535969		
Tetrachloroethene	0.3877077	5.600024		
Dibromochloromethane	0.2315586	5.093483		
Ethylbenzene	1.577123	6.725682	CCC (20)	
Chlorobenzene	0.9172502	5.31409	SPCC (0.3)	
1,1,1,2-Tetrachloroethane	0.2643184	6.864945		
m,p-Xylenes	1.141003	7.096718		



INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
 Work Order: 1502031
 Project: 138th Street, Bronx, NY; 10BR188

Calibration:	15L0202	Instrument:	GC/MS D
		Calibration Date:	11/13/2015 3:00:45PM

COMPOUND	Mean RF	RF RSD	LIMIT	Q
o-Xylene	1.119356	7.104468		
Styrene	0.9378424	4.571453		
Bromoform	0.1073502	14.91122	SPCC (0.1)	
Isopropylbenzene	3.84506	9.874887		
1,1,2,2-Tetrachloroethane	0.5025223	8.244776	SPCC (0.3)	
1,2,3-Trichloropropane	0.3772226	10.8098		
n-Propyl Benzene	4.604026	9.056089		
Bromobenzene	1.200315	8.830797		
1,3,5-Trimethylbenzene	2.77463	9.110683		
2-Chlorotoluene	2.316807	10.75081		
4-Chlorotoluene	2.313585	9.076129		
tert-Butylbenzene	2.724505	8.070875		
1,2,4-Trimethylbenzene	2.739818	9.992465		
sec-Butylbenzene	4.146891	8.333929		
p-Isopropyltoluene	3.473529	7.481644		
1,3-Dichlorobenzene	1.54165	7.5502		
1,4-Dichlorobenzene	1.496766	7.062437		
n-Butyl Benzene	3.230421	8.632324		
1,2-Dichlorobenzene	1.254937	6.727284		
1,2-Dibromo-3-chloropropane	6.720871E-02	20.71554		
1,2,4-Trichlorobenzene	0.717507	4.373142		
Hexachlorobutadiene	0.402549	5.615947		
Naphthalene	1.245898	4.901948		
1,2,3-Trichlorobenzene	0.5510854	10.70594		
Methyl tert-Butyl Ether	1.543463	12.0515		



CONTINUING CALIBRATION VERIFICATION

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
 Work Order: 1502031
 Project: 138th Street, Bronx, NY; 10BR188

Instrument ID: GC/MS D	Calibration: 15L0202
Lab File ID: D13045.D	Calibration Date: 11/13/15 15:00
Sequence: S5K1604	Injection Date: 11/16/15
Lab Sample ID: S5K1604-CCV1	Injection Time: 09:47

COMPOUND	TYPE	CONC. (ug/L)		RESPONSE FACTOR			% DIFF	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acrolein	L	250	246	1.181812E-02	1.213249E-02		2.7	
Acrylonitrile	A	250	261	8.561063E-02	8.927224E-02		4.3	
Acetone	L	50.0	50.6	0.1170496	0.0848589		-27.5	
Dichlorodifluoromethane	Q	50.0	60.0	0.2587039	0.2456962		-5.0	
Chloromethane	A	50.0	45.9	0.7905557	0.7261774	0.1	-8.1	
Vinyl chloride	A	50.0	48.4	0.9053119	0.8767686		-3.2	20
Bromomethane	A	50.0	47.2	0.6143821	0.5797607		-5.6	
Chloroethane	A	50.0	49.5	0.9100049	0.9008233		-1.0	
Trichlorofluoromethane	A	50.0	47.4	0.7991684	0.7577046		-5.2	
Freon 113	A	50.0	47.4	0.7178217	0.680108		-5.3	
1,1-Dichloroethene	A	50.0	47.0	1.056305	0.9918058		-6.1	20
Carbon disulfide	A	50.0	46.8	1.839929	1.722642		-6.4	
Methyl Acetate	A	50.0	44.8	0.2450891	0.2195471		-10.4	
Methylene Chloride	L	50.0	51.0	0.9668761	0.7779156		-19.5	
trans-1,2-Dichloroethene	A	50.0	48.0	0.8601373	0.8266747		-3.9	
1,1-Dichloroethane	A	50.0	49.6	1.087945	1.07922	0.1	-0.8	
Vinyl acetate	A	50.0	52.2	0.741366	0.7744557		4.5	
2,2-Dichloropropane	A	50.0	51.2	0.7225349	0.7403582		2.5	
2-Butanone	A	50.0	53.2	0.1453586	0.1546192		6.4	
cis-1,2-Dichloroethene	A	50.0	51.4	0.777772	0.8003733		2.9	
Chloroform	A	50.0	49.3	0.7481054	0.7379555		-1.4	20
Bromochloromethane	A	50.0	49.7	0.2820551	0.2802214		-0.7	
Cyclohexane	A	50.0	48.3	1.339871	1.29348		-3.5	



CONTINUING CALIBRATION VERIFICATION

EPA 8260

Client: **BRINKERHOFF ENVIRONMENTAL**
 Work Order: **1502031**
 Project: **138th Street, Bronx, NY; 10BR188**

Instrument ID: **GC/MS D**

Calibration: **15L0202**

Lab File ID: **D13070.D**

Calibration Date: **11/13/15 15:00**

Sequence: **SSK1708**

Injection Date: **11/17/15**

Lab Sample ID: **S5K1708-CCV1**

Injection Time: **10:01**

COMPOUND	TYPE	CONC. (ug/L)		RESPONSE FACTOR			% DIFF	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acrolein	L	250	247	1.181812E-02	1.217339E-02		3.0	
Acrylonitrile	A	250	259	8.561063E-02	8.883778E-02		3.8	
Acetone	L	50.0	58.4	0.1170496	9.797005E-02		-16.3	
Dichlorodifluoromethane	Q	50.0	40.4	0.2587039	0.1572507		-39.2	
Chloromethane	A	50.0	42.0	0.7905557	0.6639409	0.1	-16.0	
Vinyl chloride	A	50.0	41.5	0.9053119	0.7511783		-17.0	20
Bromomethane	A	50.0	43.6	0.6143821	0.5352339		-12.9	
Chloroethane	A	50.0	44.2	0.9100049	0.8038174		-11.7	
Trichlorofluoromethane	A	50.0	43.6	0.7991684	0.6970572		-12.8	
Freon 113	A	50.0	48.2	0.7178217	0.6914489		-3.7	
1,1-Dichloroethene	A	50.0	47.1	1.056305	0.9953454		-5.8	20
Carbon disulfide	A	50.0	47.2	1.839929	1.735629		-5.7	
Methyl Acetate	A	50.0	46.2	0.2450891	0.2266805		-7.5	
Methylene Chloride	L	50.0	52.8	0.9668761	0.8039181		-16.9	
trans-1,2-Dichloroethene	A	50.0	48.4	0.8601373	0.8331355		-3.1	
1,1-Dichloroethane	A	50.0	51.0	1.087945	1.109298	0.1	2.0	
Vinyl acetate	A	50.0	52.5	0.741366	0.7788609		5.1	
2,2-Dichloropropane	A	50.0	50.8	0.7225349	0.7341908		1.6	
2-Butanone	A	50.0	56.4	0.1453586	0.1640012		12.8	
cis-1,2-Dichloroethene	A	50.0	51.8	0.777772	0.8052596		3.5	
Chloroform	A	50.0	49.8	0.7481054	0.7444793		-0.5	20
Bromochloromethane	A	50.0	50.6	0.2820551	0.2852934		1.1	
Cyclohexane	A	50.0	48.2	1.339871	1.291166		-3.6	



LCS / LCS DUPLICATE RECOVERY

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Project: 138th Street, Bronx, NY; 10BR188
Work Order: 1502031

Matrix:	Solid	Prep Method:	EPA 3550B GCMS
Prep Batch:	B5K1301	Lab Sample ID:	B5K1301-BS1

ANALYTE	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC.	QC LIMITS REC.
Pyridine	1670	1380	83	20 - 160
N-Nitrosodimethylamine	1670	1560	94	20 - 160
Aniline	1670	1600	96	20 - 160
Phenol	1670	1690	101	20 - 160
bis(2-chloroethyl)ether	1670	1670	100	70 - 130
2-Chlorophenol	1670	1750	105	70 - 130
1,3-Dichlorobenzene	1670	1560	94	70 - 130
1,4-Dichlorobenzene	1670	1560	93	70 - 130
Benzyl alcohol	1670	1710	103	20 - 160
1,2-Dichlorobenzene	1670	1730	104	70 - 130
2-Methylphenol	1670	1580	95	20 - 160
bis(2-chloroisopropyl)ether	1670	1740	104	70 - 130
3 & 4-Methylphenol	1670	1700	102	20 - 160
N-Nitroso-di-n-propylamine	1670	1590	95	70 - 130
Hexachloroethane	1670	1560	94	20 - 160
Nitrobenzene	1670	1570	94	70 - 130
Isophorone	1670	1650	99	70 - 130
2-Nitrophenol	1670	1680	101	70 - 130
2,4-Dimethylphenol	1670	1540	93	70 - 130
bis(2-chloroethoxy)methane	1670	1550	93	70 - 130
2,4-Dichlorophenol	1670	1630	98	70 - 130
1,2,4-Trichlorobenzene	1670	1560	93	70 - 130
Naphthalene	1670	1490	90	70 - 130
4-Chloroaniline	1670	1100	66 *	70 - 130
Hexachlorobutadiene	1670	1480	89	70 - 130
4-Chloro-3-methylphenol	1670	1720	103	70 - 130
2-Methylnaphthylene	1670	1590	95	70 - 130
Hexachlorocyclopentadiene	1670	1540	93	20 - 160



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Client: BRINKERHOFF ENVIRONMENTAL
 Project: 138th Street, Bronx, NY; 10BR188
 Work Order: 1502031

Matrix:	Solid	Analysis Method:	EPA 8270
Prep Batch:	B5K1301	Prep Method:	EPA 3550B GCMS
Percent Solids:	96.00	Laboratory ID:	B5K1301-MS1
		Client Sample ID:	1502033-01 - <i>Sub in QC</i>

ANALYTE	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC.	QC LIMITS REC.
Pyridine	1740	ND	974	56	20 - 160
N-Nitrosodimethylamine	1740	ND	932	54	20 - 160
Aniline	1740	ND	1290	75	20 - 160
Phenol	1740	ND	1400	81	20 - 160
bis(2-chloroethyl)ether	1740	ND	1320	76	70 - 130
2-Chlorophenol	1740	ND	1530	88	70 - 130
1,3-Dichlorobenzene	1740	ND	1480	85	70 - 130
1,4-Dichlorobenzene	1740	ND	1480	85	70 - 130
Benzyl alcohol	1740	ND	1340	77	20 - 160
1,2-Dichlorobenzene	1740	ND	1450	84	70 - 130
2-Methylphenol	1740	ND	1420	82	20 - 160
bis(2-chloroisopropyl)ether	1740	ND	1170	68	* 70 - 130
3 & 4-Methylphenol	1740	ND	1480	85	20 - 160
N-Nitroso-di-n-propylamine	1740	ND	1280	73	70 - 130
Hexachloroethane	1740	ND	819	47	20 - 160
Nitrobenzene	1740	ND	1320	76	70 - 130
Isophorone	1740	ND	1240	72	70 - 130
2-Nitrophenol	1740	ND	801	46	* 70 - 130
2,4-Dimethylphenol	1740	ND	1370	79	70 - 130
bis(2-chloroethoxy)methane	1740	ND	1340	77	70 - 130
2,4-Dichlorophenol	1740	ND	1450	83	70 - 130
1,2,4-Trichlorobenzene	1740	ND	1440	83	70 - 130
Naphthalene	1740	ND	1440	83	70 - 130
4-Chloroaniline	1740	ND	1070	61	20 - 160
Hexachlorobutadiene	1740	ND	1360	78	70 - 130
4-Chloro-3-methylphenol	1740	ND	1370	79	70 - 130
2-Methylnaphthylene	1740	ND	1360	78	70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Client: BRINKERHOFF ENVIRONMENTAL
 Project: 138th Street, Bronx, NY; 10BR188
 Work Order: 1502031

Matrix:	Solid	Analysis Method:	EPA 8270
Prep Batch:	B5K1301	Prep Method:	EPA 3550B GCMS
Percent Solids:	96.00	Laboratory ID:	B5K1301-MS1
		Client Sample ID:	1502033-01

ANALYTE	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC.	QC LIMITS REC.
Hexachlorocyclopentadiene	1740	ND	ND	0 *	20 - 160
2,4,6-Trichlorophenol	1740	ND	1570	91	70 - 130
2,4,5-Trichlorophenol	1740	ND	1670	96	70 - 130
2-Chloronaphthalene	1740	ND	1590	92	70 - 130
2-Nitroaniline	1740	ND	1440	83	70 - 130
Dimethylphthalate	1740	ND	1500	86	70 - 130
Acenaphthylene	1740	ND	1460	84	70 - 130
3-Nitroaniline	1740	ND	1680	97	70 - 130
Acenaphthene	1740	ND	1420	82	70 - 130
2,4-Dinitrophenol	1740	ND	ND	0 *	20 - 160
4-Nitrophenol	1740	ND	785	45	20 - 160
Dibenzofuran	1740	ND	1450	83	70 - 130
2,6-Dinitrotoluene	1740	ND	1120	64 *	70 - 130
2,4-Dinitrotoluene	1740	ND	942	54 *	70 - 130
2,3,4,6-Tetrachlorophenol	1740	ND	1370	79	70 - 130
Diethyl phthalate	1740	ND	1370	79	70 - 130
4-Chlorophenyl-phenylether	1740	ND	1370	79	70 - 130
Fluorene	1740	ND	1390	80	70 - 130
4-Nitroaniline	1740	ND	1740	100	70 - 130
4,6-Dinitro-2-methylphenol	1740	ND	ND	0 *	70 - 130
Carbazole	1740	ND	1400	80	70 - 130
N-Nitrosodiphenylamine	1740	ND	2000	115	20 - 160
Azobenzene	1740	ND	1620	93	70 - 130
4-Bromophenyl-phenylether	1740	ND	1670	96	70 - 130
Hexachlorobenzene	1740	ND	1630	94	70 - 130
Pentachlorophenol	1740	ND	800	46	20 - 160
Phenanthrene	1740	59.7	1590	88	70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Client: **BRINKERHOFF ENVIRONMENTAL**
 Project: **138th Street, Bronx, NY; 10BR188**
 Work Order: **1502031**

Matrix:	Solid	Analysis Method:	EPA 8270
Prep Batch:	B5K1301	Prep Method:	EPA 3550B GCMS
Percent Solids:	96.00	Laboratory ID:	B5K1301-MS1
		Client Sample ID:	1502033-01

ANALYTE	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC.		QC LIMITS REC.
Anthracene	1740	ND	1430	82		70 - 130
Di-n-butyl phthalate	1740	ND	1070	62	*	70 - 130
Fluoranthene	1740	162	1130	56	*	70 - 130
Pyrene	1740	477	3880	196	*	70 - 130
Butylbenzylphthalate	1740	ND	3730	215	*	70 - 130
Benzo[a]anthracene	1740	169	1630	84		70 - 130
bis(2-ethylhexyl)phthalate	1740	ND	3870	223	*	70 - 130
Chrysene	1740	203	1890	97		70 - 130
Di-n-octyl phthalate	1740	ND	7980	460	*	70 - 130
Benzo[b]fluoranthene	1740	253	2280	117		70 - 130
Benzo[k]fluoranthene	1740	218	2120	110		70 - 130
Benzo[a]pyrene	1740	206	1590	79		70 - 130
Indeno(1,2,3-cd)pyrene	1740	63.5	900	48	*	70 - 130
Dibenzo(a,h)anthracene	1740	ND	931	54	*	70 - 130
Benzo[ghi]perylene	1740	56.6	892	48	*	70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike Dup

Client: BRINKERHOFF ENVIRONMENTAL
 Project: 138th Street, Bronx, NY; 10BR188
 Work Order: 1502031

Matrix:	Solid	Analysis Method:	EPA 8270
Prep Batch:	B5K1301	Prep Method:	EPA 3550B GCMS
Percent Solids:	96.00	Laboratory ID:	B5K1301-MSD1
		Client Sample ID:	1502033-01

ANALYTE	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
Pyridine	1740	975	56	0.1	30	20 - 160
N-Nitrosodimethylamine	1740	980	56	5	30	20 - 160
Aniline	1740	1200	69	7	30	20 - 160
Phenol	1740	1330	77	5	30	20 - 160
bis(2-chloroethyl)ether	1740	1260	73	5	30	70 - 130
2-Chlorophenol	1740	1400	81	9	30	70 - 130
1,3-Dichlorobenzene	1740	1400	80	6	30	70 - 130
1,4-Dichlorobenzene	1740	1400	81	5	30	70 - 130
Benzyl alcohol	1740	1280	74	4	30	20 - 160
1,2-Dichlorobenzene	1740	1390	80	5	30	70 - 130
2-Methylphenol	1740	1320	76	7	30	20 - 160
bis(2-chloroisopropyl)ether	1740	1110	64	5	30	70 - 130
3 & 4-Methylphenol	1740	1370	79	8	30	20 - 160
N-Nitroso-di-n-propylamine	1740	1200	69	6	30	70 - 130
Hexachloroethane	1740	956	55	15	30	20 - 160
Nitrobenzene	1740	1350	78	2	30	70 - 130
Isophorone	1740	1230	71	0.9	30	70 - 130
2-Nitrophenol	1740	1010	58	23	30	70 - 130
2,4-Dimethylphenol	1740	1320	76	3	30	70 - 130
bis(2-chloroethoxy)methane	1740	1340	77	0.4	30	70 - 130
2,4-Dichlorophenol	1740	1420	82	2	30	70 - 130
1,2,4-Trichlorobenzene	1740	1450	83	0.3	30	70 - 130
Naphthalene	1740	1400	80	3	30	70 - 130
4-Chloroaniline	1740	930	54	14	30	20 - 160
Hexachlorobutadiene	1740	1360	78	0.08	30	70 - 130
4-Chloro-3-methylphenol	1740	1240	71	11	30	70 - 130
2-Methylnaphthylene	1740	1300	75	5	30	70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike Dup

Client: BRINKERHOFF ENVIRONMENTAL
 Project: 138th Street, Bronx, NY; 10BR188
 Work Order: 1502031

Matrix:	Solid	Analysis Method:	EPA 8270
Prep Batch:	B5K1301	Prep Method:	EPA 3550B GCMS
Percent Solids:	96.00	Laboratory ID:	B5K1301-MSD1
		Client Sample ID:	1502033-01

ANALYTE	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
Hexachlorocyclopentadiene	1740	90.3	5 *		30	20 - 160
2,4,6-Trichlorophenol	1740	1530	88	3	30	70 - 130
2,4,5-Trichlorophenol	1740	1560	90	7	30	70 - 130
2-Chloronaphthalene	1740	1570	90	2	30	70 - 130
2-Nitroaniline	1740	1340	77	7	30	70 - 130
Dimethylphthalate	1740	1450	84	3	30	70 - 130
Acenaphthylene	1740	1390	80	4	30	70 - 130
3-Nitroaniline	1740	1540	88	9	30	70 - 130
Acenaphthene	1740	1400	80	1	30	70 - 130
2,4-Dinitrophenol	1740	ND	0 *		30	20 - 160
4-Nitrophenol	1740	733	42	7	30	20 - 160
Dibenzofuran	1740	1380	80	5	30	70 - 130
2,6-Dinitrotoluene	1740	1140	66 *	2	30	70 - 130
2,4-Dinitrotoluene	1740	992	57 *	5	30	70 - 130
2,3,4,6-Tetrachlorophenol	1740	1260	72	9	30	70 - 130
Diethyl phthalate	1740	1320	76	4	30	70 - 130
4-Chlorophenyl-phenylether	1740	1310	76	4	30	70 - 130
Fluorene	1740	1310	75	6	30	70 - 130
4-Nitroaniline	1740	1450	84	18	30	70 - 130
4,6-Dinitro-2-methylphenol	1740	36.5	2 *		30	70 - 130
Carbazole	1740	1300	75	7	30	70 - 130
N-Nitrosodiphenylamine	1740	1910	110	5	30	20 - 160
Azobenzene	1740	1570	91	3	30	70 - 130
4-Bromophenyl-phenylether	1740	1580	91	6	30	70 - 130
Hexachlorobenzene	1740	1510	87	7	30	70 - 130
Pentachlorophenol	1740	711	41	12	30	20 - 160
Phenanthrene	1740	1510	84	5	30	70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike Dup

Client: **BRINKERHOFF ENVIRONMENTAL**
 Project: **138th Street, Bronx, NY; 10BR188**
 Work Order: **1502031**

Matrix: Solid	Analysis Method: EPA 8270
Prep Batch: B5K1301	Prep Method: EPA 3550B GCMS
Percent Solids: 96.00	Laboratory ID: B5K1301-MSD1
	Client Sample ID: 1502033-01

ANALYTE	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
Anthracene	1740	1360	79	4	30	70 - 130
Di-n-butyl phthalate	1740	986	57 *	8	30	70 - 130
Fluoranthene	1740	1060	62 *	6	30	70 - 130
Pyrene	1740	3750	189 *	3	30	70 - 130
Butylbenzylphthalate	1740	3250	187 *	14	30	70 - 130
Benzo[a]anthracene	1740	1610	83	1	30	70 - 130
bis(2-ethylhexyl)phthalate	1740	3390	196 *	13	30	70 - 130
Chrysene	1740	1840	94	2	30	70 - 130
Di-n-octyl phthalate	1740	6000	345 *	28	30	70 - 130
Benzo[b]fluoranthene	1740	2140	109	6	30	70 - 130
Benzo[k]fluoranthene	1740	2130	110	0.4	30	70 - 130
Benzo[a]pyrene	1740	1530	76	3	30	70 - 130
Indeno(1,2,3-cd)pyrene	1740	882	47 *	2	30	70 - 130
Dibenzo(a,h)anthracene	1740	838	48 *	11	30	70 - 130
Benzo[ghi]perylene	1740	782	42 *	13	30	70 - 130



INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
 Work Order: 1502031
 Project: 138th Street, Bronx, NY; 10BR188
 Sequence: S5K1308

Instrument: GC/MS B
 Calibration: 15K1803

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
EP-14 (1502031-01)			<i>Lab File ID: B2927.D</i>		<i>Analyzed: 11/14/15 01:44</i>				
1,4-Dichlorobenzene-d4	91187	10.28	123896	10.3	74	50 - 200	-0.0200	+/-0.50	
Naphthalene-d8	423090	13.47	580005	13.51	73	50 - 200	-0.0400	+/-0.50	
Acenaphthene-d10	234726	18	328903	18.04	71	50 - 200	-0.0400	+/-0.50	
Phenanthrene-d10	460663	21.75	667397	21.8	69	50 - 200	-0.0500	+/-0.50	
Chrysene-d12	483067	28.59	627844	28.65	77	50 - 200	-0.0600	+/-0.50	
Perylene-d12	418928	31.99	719833	32.05	58	50 - 200	-0.0600	+/-0.50	
EP-15 (1502031-02)			<i>Lab File ID: B2928.D</i>		<i>Analyzed: 11/14/15 02:29</i>				
1,4-Dichlorobenzene-d4	95196	10.28	123896	10.3	77	50 - 200	-0.0200	+/-0.50	
Naphthalene-d8	439731	13.47	580005	13.51	76	50 - 200	-0.0400	+/-0.50	
Acenaphthene-d10	242768	18	328903	18.04	74	50 - 200	-0.0400	+/-0.50	
Phenanthrene-d10	483654	21.76	667397	21.8	72	50 - 200	-0.0400	+/-0.50	
Chrysene-d12	494932	28.59	627844	28.65	79	50 - 200	-0.0600	+/-0.50	
Perylene-d12	377729	31.99	719833	32.05	52	50 - 200	-0.0600	+/-0.50	
EP-16 (1502031-03)			<i>Lab File ID: B2929.D</i>		<i>Analyzed: 11/14/15 03:14</i>				
1,4-Dichlorobenzene-d4	93208	10.28	123896	10.3	75	50 - 200	-0.0200	+/-0.50	
Naphthalene-d8	407915	13.48	580005	13.51	70	50 - 200	-0.0300	+/-0.50	
Acenaphthene-d10	240042	18.01	328903	18.04	73	50 - 200	-0.0300	+/-0.50	
Phenanthrene-d10	487129	21.76	667397	21.8	73	50 - 200	-0.0400	+/-0.50	
Chrysene-d12	496900	28.62	627844	28.65	79	50 - 200	-0.0300	+/-0.50	
Perylene-d12	335774	32.03	719833	32.05	47	50 - 200	-0.0200	+/-0.50	*

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data File : D:\B\DATA15\NOV15\E1113\B2915.D
 Acq On : 13 Nov 2015 16:39
 Sample : B5K1301-BS1
 Misc : SOIL

Vial: 1
 Operator: JMM
 Inst : GC/MS B
 Multiplr: 1.00

MS Integration Params: rteint.p
 Quant Time: Nov 16 11:23 2015

Quant Results File: SVB81104.RES

Quant Method : D:\B\METHODS\SVB81104.M (RTE Integrator)
 Title : SEMI-VOA TCL 8270 HP5972
 Last Update : Thu Nov 05 14:39:29 2015
 Response via : Initial Calibration
 DataAcq Meth : SVB81104

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
50) 2,4-Dinitrophenol	18.33	184	113031	52.35	ul/l	95
51) 4-Nitrophenol	18.61	109	97389	57.26	ul/l	97
52) Dibenzofuran	18.54	168	771114	48.14	ul/l	94
53) 2,6-Dinitrotoluene	17.75	165	173808	51.11	ul/l	98
54) 2,4-Dinitrotoluene	18.75	165	237288	52.87	ul/l	97
55) 2,3,4,6-Tetrachlorophenol	19.01	232	171241	51.08	ul/l	98
56) Diethylphthalate	19.44	149	544083	42.19	ul/l	96
57) 4-Chlorophenyl-phenylether	19.48	204	267910	42.52	ul/l	97
58) Fluorene	19.42	166	522145	42.59	ul/l	94
59) 4-Nitroaniline	19.72	138	213579	52.09	ul/l	95
62) 4,6-Dinitro-2-methylphenol	19.81	198	156064	52.97	ul/l	89
63) Carbazole	22.44	167	963100	47.72	ul/l	99
64) n-Nitrosodiphenylamine	19.85	169	506000	42.67	ul/l	89
65) 1,2-Diphenylhydrazine	19.89	77	816877	45.18	ul/l	93
66) Azobenzene	19.89	77	816877	45.18	ul/l	93
67) 4-Bromophenyl-phenylether	20.71	248	170638	45.29	ul/l	98
69) Hexachlorobenzene	21.05	284	208596	44.68	ul/l	96
70) Pentachlorophenol	21.54	266	146558	49.00	ul/l	99
71) Phenanthrene	21.87	178	924431	45.00	ul/l	99
72) Anthracene	21.99	178	907145	44.28	ul/l	98
73) Di-n-butylphthalate	23.58	149	1251579	46.12	ul/l	99
74) Fluoranthene	24.93	202	1044703	47.61	ul/l	87
77) Pyrene	25.49	202	1092151	43.11	ul/l	90
79) Butylbenzylphthalate	27.38	149	620058	44.29	ul/l	97
81) Benzo[a]anthracene	28.58	228	1074575	46.17	ul/l	99
82) bis(2-Ethylhexyl)phthalate	28.95	149	837830	42.50	ul/l	91
83) Chrysene	28.73	228	931089	43.35	ul/l	99
85) Di-n-octylphthalate	30.44	149	1542739	49.62	ul/l	100
86) Benzo[b]fluoranthene	31.21	252	1127138	53.10	ul/l	97
87) Benzo[k]fluoranthene	31.29	252	918469	45.32	ul/l	97
88) Benzo[a]pyrene	31.93	252	1054699	52.16	ul/l	97
89) Indeno[1,2,3-cd]pyrene	34.29	276	1141659	49.93	ul/l	95
90) Dibenz[a,h]anthracene	34.33	278	941733	48.41	ul/l	97
91) Benzo[g,h,i]perylene	34.87	276	941919	48.51	ul/l	98

perylene-d12



INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
 Work Order: 1502031
 Project: 138th Street, Bronx, NY; 10BR188

Calibration: 15J2801	Instrument: GC/MS F
	Calibration Date: 10/14/2015 11:58:45AM

COMPOUND	Mean RF	RF RSD	LIMIT	Q
Naphthalene	1.046911	9.03924		
4-Chloroaniline	0.4698055	3.957397		
Hexachlorobutadiene	0.1760276	3.718634	CCC (20)	
Caprolactam	0.1626493	9.438644		
4-Chloro-3-methylphenol	0.3365877	3.635553	CCC (20)	
2-Methylnaphthylene	0.697018	10.32335		
1,2,4,5-Tetrachlorobenzene	0.7846604	3.175806		
Hexachlorocyclopentadiene	0.2698404	26.71039	SPCC (0.05)	
2,4,6-Trichlorophenol	0.4396401	4.809339	CCC (20)	
2,4,5-Trichlorophenol	0.4343777	8.465463		
2-Chloronaphthalene	1.273224	9.135137		
1,1-Biphenyl	1.901611	12.61078		
2-Nitroaniline	0.4465861	3.27539		
Dimethylphthalate	1.571915	10.43119		
Acenaphthylene	2.112104	11.76371		
3-Nitroaniline	0.4648623	4.743253		
Acenaphthene	1.258578	11.18945	CCC (20)	
2,4-Dinitrophenol	0.1670239	68.69134	SPCC (0.05)	
4-Nitrophenol	0.1289473	34.71536	SPCC (0.05)	
Dibenzofuran	1.850723	7.017351		
2,6-Dinitrotoluene	0.4220418	4.567939		
2,4-Dinitrotoluene	0.5799641	3.417658		
2,3,4,6-Tetrachlorophenol	0.3782584	6.204434		
Diethyl phthalate	1.650577	14.88571		
4-Chlorophenyl-phenylether	0.6605373	9.298071		



**CONTINUING CALIBRATION VERIFICATION
EPA 8270**

Client:	BRINKERHOFF ENVIRONMENTAL	Calibration:	15J2801
Work Order:	1502031	Calibration Date:	10/14/15 11:58
Project:	138th Street, Bronx, NY; 10BR188	Injection Date:	11/13/15
Instrument ID:	GC/MS F	Injection Time:	13:24
Lab File ID:	F12227.D		
Sequence:	SSK1307		
Lab Sample ID:	S5K1307-CCV1		

COMPOUND	TYPE	CONC. (mg/L)		RESPONSE FACTOR			% DIFF	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dichlorophenol	A	50.0	51.2	0.3034206	0.3108435		2.4	20
1,2,4-Trichlorobenzene	A	50.0	49.8	0.3152609	0.3142394		-0.3	
Naphthalene	A	50.0	48.6	1.046911	1.016873		-2.9	
4-Chloroaniline	A	50.0	52.5	0.4698055	0.4936886		5.1	
Hexachlorobutadiene	A	50.0	47.6	0.1760276	0.1674627		-4.9	20
Caprolactam	A	50.0	47.2	0.1626493	0.1536029		-5.6	
4-Chloro-3-methylphenol	A	50.0	50.0	0.3365877	0.3367817		0.06	20
2-Methylnaphthylene	A	50.0	49.4	0.697018	0.6887716		-1.2	
1,2,4,5-Tetrachlorobenzene	A	50.0	38.9	0.7846604	0.6102237		-22.2	
Hexachlorocyclopentadiene	L	50.0	44.0	0.2698404	0.2906195	0.05	7.7	
2,4,6-Trichlorophenol	A	50.0	51.6	0.4396401	0.4539921		3.3	20
2,4,5-Trichlorophenol	A	50.0	53.5	0.4343777	0.4646402		7.0	
2-Chloronaphthalene	A	50.0	48.2	1.273224	1.22614		-3.7	
1,1-Biphenyl	A	50.0	38.1	1.901611	1.448351		-23.8	
2-Nitroaniline	A	50.0	47.1	0.4465861	0.4207287		-5.8	
Dimethylphthalate	A	50.0	48.7	1.571915	1.531387		-2.6	
Acenaphthylene	A	50.0	46.4	2.112104	1.961567		-7.1	
3-Nitroaniline	A	50.0	51.8	0.4648623	0.4816328		3.6	
Acenaphthene	A	50.0	46.3	1.258578	1.16479		-7.5	20
2,4-Dinitrophenol	L	50.0	47.6	0.1670239	0.2576149	0.05	54.2	
4-Nitrophenol	L	50.0	43.5	0.1289473	0.1430273	0.05	10.9	
Dibenzofuran	A	50.0	49.0	1.850723	1.814557		-2.0	
2,6-Dinitrotoluene	A	50.0	51.9	0.4220418	0.4380424		3.8	



CONTINUING CALIBRATION VERIFICATION

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502031
Project: 138th Street, Bronx, NY; 10BR188
Instrument ID: GC/MS B
Lab File ID: B2914.D
Sequence: S5K1308
Lab Sample ID: S5K1308-CCV1

Calibration: 15K1803
Calibration Date: 11/04/15 12:55
Injection Date: 11/13/15
Injection Time: 15:53

COMPOUND	TYPE	CONC. (mg/L)		RESPONSE FACTOR			% DIFF	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dichlorophenol	A	50.0	52.3	0.2881979	0.3016677		4.7	20
1,2,4-Trichlorobenzene	A	50.0	49.5	0.3062515	0.3030788		-1.0	
Naphthalene	A	50.0	48.9	0.9573403	0.9363064		-2.2	
4-Chloroaniline	A	50.0	52.5	0.4667377	0.4897972		4.9	
Hexachlorobutadiene	A	50.0	49.0	0.1488691	0.1459725		-2.0	20
Caprolactam	A	50.0	55.2	0.13773	0.1520677		10.4	
4-Chloro-3-methylphenol	A	50.0	56.1	0.3071054	0.3446343		12.2	20
2-Methylnaphthylene	A	50.0	51.6	0.6827595	0.6844782		3.3	
1,2,4,5-Tetrachlorobenzene	A	50.0	48.0	0.550364	0.5282506		-4.0	
Hexachlorocyclopentadiene	A	50.0	51.3	0.3131783	0.3211768	0.05	2.6	
2,4,6-Trichlorophenol	A	50.0	52.1	0.3956274	0.412085		4.2	20
2,4,5-Trichlorophenol	A	50.0	53.0	0.4086487	0.4335576		6.1	
2-Chloronaphthalene	A	50.0	46.5	1.114826	1.037736		-6.9	
1,1-Biphenyl	Q	50.0	45.7	1.31873	1.210643		-8.2	
2-Nitroaniline	A	50.0	53.7	0.437682	0.4698577		7.4	
Dimethylphthalate	A	50.0	52.3	1.303818	1.362841		4.5	
Acenaphthylene	A	50.0	51.3	1.849918	1.898394		2.6	
3-Nitroaniline	A	50.0	54.1	0.4385077	0.4748148		8.3	
Acenaphthene	A	50.0	50.8	1.216976	1.235445		1.5	20
2,4-Dinitrophenol	L	50.0	54.0	0.1730911	0.2456968	0.05	41.9	
4-Nitrophenol	A	50.0	61.0	0.1785295	0.2178661	0.05	22.0	
Dibenzofuran	A	50.0	51.4	1.68123	1.728354		2.8	
2,6-Dinitrotoluene	A	50.0	54.3	0.3569674	0.3879101		8.7	



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Client: BRINKERHOFF ENVIRONMENTAL
 Work Order: 1502031
 Project: 138th Street, Bronx, NY; 10BR188

Matrix:	Solid	Analysis:	EPA 6010
Batch:	B5K1115	Preparation:	EPA 3050B
% Solids:	96.00	Laboratory ID:	B5K1115-MS1
		Client Sample ID:	1502033-01

ANALYTE	SPIKE ADDED (mg/kg dry)	SAMPLE CONCENTRATION (mg/kg dry)	MS CONCENTRATION (mg/kg dry)	MS % REC.	QC LIMITS REC.
Aluminum	260 **	6120	8270 *	822 *	75 - 125
Antimony	260	ND	257	98.8	75 - 125
Arsenic	260	6.07	268	101	75 - 125
Barium	260	61.7	328	102	75 - 125
Beryllium	260	ND	255	97.8	75 - 125
Cadmium	260	ND	242	93.1	75 - 125
Calcium	260 **	21300	21000 *	-114 *	75 - 125
Chromium	260	41.1	330	111	75 - 125
Cobalt	260	11.8	245	89.4	75 - 125
Copper	260	42.9	303	100	75 - 125
Iron	260 **	19600	22000 *	926 *	75 - 125
Lead	260	66.4	305	91.5	75 - 125
Magnesium	260 **	14100	15700 *	608 *	75 - 125
Manganese	260	426	655	87.7	75 - 125
Nickel	260	119	364	93.8	75 - 125
Potassium	260 **	1370	2190 *	314 *	75 - 125
Selenium	260	ND	242	93.0	75 - 125
Silver	26.0	ND	25.1	96.3	75 - 125
Sodium	260	216	496	108	75 - 125
Thallium	260	ND	217	83.5	75 - 125
Vanadium	260	24.1	284	100	75 - 125
Zinc	260	70.3	305	90.1	75 - 125

** Spiked too Low



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike Dup

Client: BRINKERHOFF ENVIRONMENTAL
 Work Order: 1502031
 Project: 138th Street, Bronx, NY; 10BR188

Matrix:	Solid	Analysis:	EPA 6010
Batch:	B5K1115	Preparation:	EPA 3050B
% Solids:	96.00	Laboratory ID:	B5K1115-MSD1
		Client Sample ID:	1502033-01

ANALYTE	SPIKE ADDED (mg/kg dry)	MSD CONCENTRATION (mg/kg dry)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
Aluminum	260 **	8350	854 *	1.00	20	75 - 125
Antimony	260	254	97.5	1.30	20	75 - 125
Arsenic	260	265	99.3	1.37	20	75 - 125
Barium	260	327	102	0.254	20	75 - 125
Beryllium	260	251	96.5	1.28	20	75 - 125
Cadmium	260	239	91.7	1.47	20	75 - 125
Calcium	260 **	22200	344 *	5.52	20	75 - 125
Chromium	260	295	97.6	11.0	20	75 - 125
Cobalt	260	241	88.0	1.52	20	75 - 125
Copper	260	300	98.9	0.932	20	75 - 125
Iron	260 **	20800	488 *	5.33	20	75 - 125
Lead	260	296	88.2	2.84	20	75 - 125
Magnesium	260 **	16500	892 *	4.60	20	75 - 125
Manganese	260	692	102	5.49	20	75 - 125
Nickel	260	356	90.7	2.24	20	75 - 125
Potassium	260 **	2300	355 *	4.76	20	75 - 125
Selenium	260	239	92.0	1.12	20	75 - 125
Silver	26.0	25.3	97.3	1.01	20	75 - 125
Sodium	260	501	110	1.02	20	75 - 125
Thallium	260	213	82.0	1.84	20	75 - 125
Vanadium	260	280	98.3	1.59	20	75 - 125
Zinc	260	301	88.5	1.31	20	75 - 125

** spiked too low

* Values outside of QC limits

Appendix C

Validator Qualifications

KENNETH R. APPLIN
Geochemist/Data Validator

Ph.D., Geochemistry and Mineralogy, The Pennsylvania State University

M.S., Geochemistry and Mineralogy, The Pennsylvania State University

B.A., Geological Sciences, SUNY at Geneseo, NY

Dr. Applin has over 35 years of experience working with the geochemistry of natural waters. His prior experience includes working as an Assistant Professor of Geology at the University of Missouri-Columbia and as Chief Hydrogeologist and Geochemist with a leading engineering firm in Rochester, NY. In 1993, he established KR Applin and Associates, a small consulting business that focuses on the geochemistry of natural waters, especially as applied to problems involving the contamination of groundwater and surface water.

Dr. Applin is also an experienced analytical data validator and has provided data validation services since 1994 to a variety of clients performing brownfield cleanup projects, hazardous waste remediation, groundwater monitoring at solid waste facilities, and other projects requiring third-party data validation. Dr. Applin has several years of hands-on experience with the laboratory analysis of natural waters and has successfully completed the USEPA Region II certification courses for performing inorganic and organic analytical data validation.

MICHAEL K. PERRY
Chemist/Data Validator

B.S. Chemistry, Georgia State University, Atlanta, GA

A.A.S., Chemical Technology, Alfred State College, Alfred, NY

Mr. Perry has over 30 years of experience in the analytical laboratory business. During his early career, he spent several years as a laboratory analyst performing the analysis of soil, water, and air samples for inorganic and organic chemical parameters. During his last 20 years in the environmental laboratory business, he managed and directed two major analytical laboratories in Rochester, NY. His management responsibilities included oversight of the daily operations of the lab, staff training and supervision, the selection, purchase, and maintenance of analytical instruments, the introduction of new laboratory methods, analytical quality assurance and quality control, data acquisition and management, and other business-related activities.

Mr. Perry has an extensive working knowledge of the methods and procedures used for sampling and analyzing both inorganic and organic analytes in soil, water, and air. He is an accomplished laboratory chemist and is familiar with the analytical methods and procedures established under the USEPA Contract Laboratory Protocols (CLP), the NYSDEC Analytical Services Protocols (ASP), and the NYSDOH Environmental Laboratory Approval Program (ELAP).

DATA USABILITY SUMMARY REPORT (DUSR)

**Former G & C Services
255 East 138th Street
Bronx, NY
NYSDEC BCP # C203057**

SDG: 1502101
1 Soil Sample

Prepared for:

**Brinkerhoff Environmental Services, Inc.
1805 Atlantic Avenue
Manasquan, NJ 08736**

October 2016



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Table 4-2	Quality Control Criteria for Validating Laboratory Analytical Data

Summaries of Validated Results

Table 6-1	VOCs
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REVIEWER'S NARRATIVE
SDG 1502101

The data associated with this Sample Delivery Group (SDG) 1502101, analyzed by Accredited Analytical Resources, LLC, Carteret, NJ have been reviewed in accordance with assessment criteria provided by the New York State Department of Environmental Conservation following the review procedures provided in the USEPA Functional Guidelines for evaluating organic and inorganic data.

All analytical results reported by the laboratory are considered valid and acceptable except results that have been qualified as rejected, "R". Results qualified as estimated "J", or as non-detects, "U", are considered usable for the purpose of evaluating water and/or soil quality. However, these qualifiers indicate that the accuracy and/or precision of the analytical result is questionable. A summary of all data that have been qualified and the reasons for qualification are provided in the following data usability summary report (DUSR).

Two facts should be noted by all data users. First, the "R" qualifier means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the analyte is present or not. Values qualified with an "R" should not appear on the final data tables because they cannot be relied upon, even as the last resort. Second, no analyte concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error.

Reviewer's Signature: Michael K. Perry Date: 10/25/16
Michael K. Perry
Chemist

1.0 SUMMARY

SITE: 255 East 138th Street.
Bronx , NY

SAMPLING DATE: November 17, 2015

SAMPLE TYPE: 1 soil sample

LABORATORY: Accredited Analytical Resources, LLC.
Carteret, NJ

SDG No.: 1502101

2.0 INTRODUCTION

This data usability summary report (DUSR) was prepared in accordance with guidance provided by the New York State Department of Environmental Conservation (NYSDEC). The DUSR is based on a review and evaluation of the laboratory analytical data package. Specifically, the NYSDEC guidance recommends review and evaluation of the following elements of the data package:

- Completeness of the data package as defined under the requirements of the NYSDEC Analytical Services Protocols (ASP) Category B or the United States Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) deliverables,
- Compliance with established analyte holding times,
- Adherence to quality control (QC) limits and specifications for blanks, instrument tuning and calibration, surrogate recoveries, spike recoveries, laboratory duplicate analyses, and other QC criteria,
- Adherence to established analytical protocols,
- Conformance of data summary sheets with raw analytical data, and
- Use of correct data qualifiers.

Data deficiencies, analytical protocol deviations, and quality control problems identified using the review criteria above and their effect on the analytical results are discussed in this report.

3.0 SAMPLE AND ANALYSIS SUMMARY

The data package consists of analytical results for one soil sample collected on November 17, 2015. These samples were analyzed for volatile organic compounds, semi-volatile organic compounds, pesticides, polychlorinated biphenyls (PCBs), TAL metals, and total cyanide.

All laboratory analyses were performed by Accredited Analytical Resources, LLC., Carteret, NJ and analyzed as SDG 1502101. The analytical results were provided in NYSDEC ASP Category B format, which includes all raw analytical data and laboratory QC data.

4.0 GUIDANCE DOCUMENTS AND DATA REVIEW CRITERIA

The guidance documents used for reviewing laboratory quality control (QC) data and assigning data qualifiers (flags) to analytical results are listed in Table 4-1. The QC limits established in the documents applicable to this data review were used to assess the quality of the analytical results. In some cases, however, QC limits established internally by the laboratory were taken into account to determine data quality.

The QC criteria considered for assessing the usability of the reported analytical results provided for each analyte type (i.e. VOCs, SVOCs, metals, etc.) are listed in Table 4-2. These criteria may vary with the analytical method utilized by the laboratory. These criteria comply with the guidance recommended in Section 2.0 above.

5.0 DATA VALIDATION QUALIFIERS

The letter qualifiers (flags) used to define data usability are described briefly below. These letters are assigned by the data validator to analytical results having questionable accuracy and/or precision as determined by reviewing the laboratory QC data associated with the analytical results.

TABLE 4-1**DATA VALIDATION GUIDANCE DOCUMENTS**

Analyte Type	Validation Guidance
VOCs	USEPA, 2008, Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry; SW-846 Method 8260B; SOP # HW-24, Rev. 2. USEPA, 2008, Statement of Work for Organic Analysis of Low/Medium Concentration of Volatile Organic Compounds SOM01.2; SOP HW-33, Rev. 2.
SVOCs	USEPA, 2007, Statement of Work for Organic Analysis of Low/Medium Concentration of Semivolatile Organic Compounds SOM01.2; SOP HW-35, Rev. 1.
Pesticides/PCBs	USEPA, 2006, CLP Organics Data Review and Preliminary Review (CLP/SOW OLMO 4.3); SOP # HW-6, Rev. 14, Part C.
Metals	USEPA, 2006, Validation of Metals for the Contract Laboratory Program (CLP) based on SOW ILMO 5.3 (SOP Revision 13), SOP # HW-2, Rev. 13.
Gen Chemistry	NYSDEC, 2005, Analytical Services Protocols (ASP)
VOCs (Ambient air)	USEPA, 2006, Validating Air Samples, Volatile Organic Analysis of Ambient Air in Canister by Method TO-15; SOP # HW-31, Rev. 4.

TABLE 4-2

**QUALITY CONTROL CRITERIA USED FOR VALIDATING
LABORATORY ANALYTICAL DATA**

VOCs	SVOCs	Pesticides/PCBs	Metals	Gen Chemistry	Method TO-15
Completeness of Pkg Sample Condition Holding Time System Monitoring Compounds Lab Control Sample Matrix Spikes Blanks Instrument Tuning Internal Standards Initial Calibration Continuing Calibration Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Time Surrogate Recoveries Lab Control Sample Matrix Spikes Blanks Instrument Tuning Internal Standards Initial Calibration Continuing Calibration Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Time Surrogate Recoveries Matrix Spikes Blanks Instrument Calibration & Verification Analyte ID Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Time Initial/Continuing Calibration CRDL Standards Blanks Interference Check Sample Spike Recoveries Lab Duplicate Lab Control Sample ICP Serial Dilutions Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Times Calibration Lab Control Samples Blanks Spike Recoveries Lab Duplicates	Completeness of Pkg Sample Condition Holding Time Canister Certification Lab Control Sample Instrument Tuning Blanks Initial Calibration & System Performance Daily Calibration Field Duplicate

The laboratory may also use various letters and symbols to flag analytical results generated when QC limits were exceeded. The meanings of these flags may differ from those used by the independent data validator. Those used by the laboratory are provided with the analytical results.

NOTE: The assignment of data qualifiers by the data reviewer (validator) to laboratory analytical results should not necessarily be interpreted by the data user as a measure of laboratory ability or proficiency. Rather, the qualifiers are intended to provide a measure of data accuracy and precision to the data user, which, for example, may provide a level of confidence in determining whether or not standards or cleanup objectives have been met.

- U** The analyte was analyzed for but was not detected at or above the sample quantitation limit.
- J** The analyte was positively identified; the associated numerical value is the *approximate* concentration of the analyte in the sample. (The magnitude of any \pm value associated with the result is not determined by data validation).
- UJ** The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is *approximate* and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R** The sample result is rejected (i.e., is unusable) due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
- N** The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
- JN** The analyte is considered to be "presumptively present." The associated numerical value represents its *approximate* concentration.

The validated analytical results are attached to this report. Validation qualifiers (flags) are indicated using red ink. Data sheets having qualified data are signed and dated by the data reviewer.

6.0 RESULTS OF THE DATA REVIEW

The results of the data review are summarized in Tables 6-1 through 6-6. The tables list the samples where QC criteria were found to exceed acceptable limits and the actions taken to qualify the associated analytical results.

7.0 TOTAL USABLE DATA

For SDG 1502101, one sample was analyzed and results were reported for 190 analytes. Even though some results were flagged with a "J", all results (100 %) are considered usable. See the summary table for the associated QC reasons.

Table 6-1 **VOCs**

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
EP-17	Acetone Dichlorodifluoromethane Methylene Chloride DBCP	J detects	ICV RPD > 20 %	Sample detects are estimated

Table 6-2 **SVOCs**

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
EP-17	1,3-Dichlorobenzene 1,2,4-Trichlorobenzene 4-Chloroaniline	"UJ"	LCS < 70 % QC limit	All samples non-detect
EP-17	2,4-Dinitrophenol	UJ non-detects J detects	CCV > 40 %	All samples non-detect

Table 6-3 **Pesticides**

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

Table 6-4 **PCBs**

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

Table 6-5 **TAL Metals**

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

Table 6-6 **Total Cyanide**

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

ACRONYMS

BSP	Blank Spike
CCAL	Continuing Calibration
CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification
CRDL	Contract Required Detection Limit
CRQL	Contract Required Quantitation Limit
%D	Percent Difference
ICAL	Initial Calibration
ICB	Initial Calibration Blank
IS	Internal Standard
LCS	Laboratory Control Sample
MS/MSD	Matrix Spike/Matrix Spike Duplicate
QA	Quality Assurance
QC	Quality Control
%R	Percent recovery
RPD	Relative Percent Difference
%RSD	Percent Relative Standard Deviation
TAL	Target Analyte List (metals)
TCL	Target Compound List (organics)

Appendix A

*Validated
Analytical
Results*



Accredited Analytical Resources, LLC.

ANALYTICAL REPORT

for

BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.

Manasquan, NJ 08736

Project: E. 138th Street, Bronx, NY; 10BR188

AAR Work Order: 1502101

<u>Client Sample ID:</u> EP-17	<u>Lab Sample ID:</u> 1502101-01
------------------------------------------	--------------------------------------------

This data has been reviewed and accepted by:

Daniel Miguel
Technical Director

12/21/2015

New Jersey Certification Number: 12007
New York Certification Number: 11109
Pennsylvania Certification Number: 68-02799

This report shall not be reproduced, except in its entirety, without the written consent of Accredited Analytical Resources, LLC.
The test results included in this report relate only to the samples analyzed.



Case Narrative

Conformance / Non-Conformance Summary

Accredited Analytical Resources, LLC received 1 sample(s) from BRINKERHOFF ENVIRONMENTAL (Project: E. 138th Street, Bronx, NY; 10BR188) on 11/18/2015 4:10:00 PM.

All analyses were performed within the required holding time.

In the Volatile Organic analyses, the methylene chloride result reported is due to laboratory contamination.

In the Metals analysis the recoveries of the MS/MSD were outside of acceptance criteria. The QC sample had concentrations too high to be able to determine a spike recovery. The LCS was within acceptance criteria for those metals out in the MS/MSD. The results are included in this data package.

Except for the parameters tested AAR makes no representation as to the fitness or quality of the sample (s) taken.

"The laboratory has reviewed the quality assurance and quality control measurements for the sample analyses.

Daniel Miguel
Technical Director

Methodology Summary

EPA Method SW846 8081/8082:

NJ 8081A/8082
NY 8081B/8082A

Semivolatile Organic Compounds EPA Method SW846 8270:

NJ 8270C
NY 8270D

Total Mercury by SW846 7471:

NJ EPA 7471A
NY EPA 7471B

Total Metals by EPA Method SW846 6010:

NJ 6010B
NY 6010C

Volatile Organic Compounds EPA Method SW846 8260:

NJ 8260B
NY 8260C

Wet Chemistry:

Percent Solids by SM 2540 G
Total Cyanide by EPA 9010C & EPA 9014



Accredited Analytical Resources, LLC.

20 PERSHING AVE, CARTERET, NJ 07008
Tel. 732-969-6112 FAX 732-641-1383
WEB: WWW.ACCREDITEDANALYTICAL.COM

CHAIN OF CUSTODY FORM

CLIENT NAME: Brinkerhoff Environmental Services
 ADDRESS: 1805 Atlantic Avenue
 CITY: Manasquan
 STATE: NJ ZIP: 08736

STATE AGENCY (CIRCLE ONE) NJ NY PA
 PROJECT NAME: E 138th Street, Bronx, NY; 1032188
 CONTACT: Doug Harm + Sean Harrison
 OFFICE PHONE #: 732-223-2225
 OFFICE FAX #: 732-223-3666
 INITIAL RESULTS TO: Doug Harm + Sean Harrison
 EMAIL FOR INVOICE: dharm@brink.env + sharrison@brink.env

AAR QUOTE # _____
 AAR WORK ORDER # 1502101
 P.O.# 10BR188

ANALYSIS

PRES. CODE	CONT. CODE
TAL full TCL full	

COLLECTION INFORMATION

CUSTOMER SAMPLE # / ID	DATE / TIME SAMPLED	MATRIX CODE	DEPTH	# OF CONTAINERS	GRAB (G)	COMP (C)	AAR SAMPLE #
EP-17	11/15/11:50	S		4	6		-01

MATRIX CODES: S = SOIL A = AQUEOUS GW = GROUND WATER WW = WASTE WATER SW = SURFACE WATER P = POTABLE WATER O = OIL K = SOLID X = OTHER

CONTAINER TYPE CODES: G = GLASS P = PLASTIC E = ENCORE PRESERVATIVES CODES: 1 = HCL 2 = HNO₃ 3 = H₂SO₄ 4 = NaOH 5 = OTHER

TURNAROUND TIME: (CIRCLE ONE) STANDARD 5 DAY 72 HRS. 48 HRS. 24 HRS. OTHER 1 week
(IF BLANK STANDARD WILL APPLY)

REPORT TYPE: RESULTS ONLY REDUCED FULL X EDD EXCEL SPREADSHEET

COMMENTS: NYS DEC Category B data deliverable. Please complete hardcopy report by November 25th, 2015. COOLER TEMP: 4°C

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: Monica Norton SIGN: Monica Norton

SIGN BELOW WHEN DELIVERING SAMPLES. EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY, CUSTODY MUST BE DOCUMENTED.

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Print Name: <u>Monica Norton</u> Signature: <u>Monica Norton</u> Agent of: _____ Date Received: <u>11/18/11</u> Time: <u>12:00</u>	Print Name: <u>[Signature]</u> Signature: <u>[Signature]</u> Agent of: <u>AAR</u> Date Received: _____ Time: _____	Print Name: <u>[Signature]</u> Signature: <u>[Signature]</u> Agent of: _____ Date Received: <u>11/18/15</u> Time: <u>1610</u>	Print Name: <u>K. MUMIZ</u> Signature: <u>[Signature]</u> Agent of: <u>AAR</u> Date Received: _____ Time: _____
Print Name: _____ Signature: _____ Agent of: _____ Date Received: / / Time: _____	Print Name: _____ Signature: _____ Agent of: _____ Date Received: / / Time: _____	Print Name: _____ Signature: _____ Agent of: _____ Date Received: / / Time: _____	Print Name: _____ Signature: _____ Agent of: _____ Date Received: / / Time: _____



ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-17
Lab Sample ID: 1502101-01
Project: E. 138th Street, Bronx, NY; 10BR188
Work Order: 1502101

Date Sampled:	11/17/15 11:50	Prep Date:	11/25/15 13:31	Matrix:	Soil
Percent Solids:	53.00	Prep Method:	EPA 5035A	File ID:	D13215.D
Prep Batch:	B5K2512	Sequence:	S5K2505	Analyzed:	11/25/15 13:31
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
107-02-8	Acrolein	ND	25.0	41.7	U
107-13-1	Acrylonitrile	ND	8.35	41.7	U
67-64-1	Acetone	73.0 J	4.17	8.35	
75-71-8	Dichlorodifluoromethane	ND	4.17	8.35	U
74-87-3	Chloromethane	ND	4.17	8.35	U
75-01-4	Vinyl chloride	ND	4.17	8.35	U
74-83-9	Bromomethane	ND	4.17	8.35	U
75-00-3	Chloroethane	ND	4.17	8.35	U
75-69-4	Trichlorofluoromethane	ND	4.17	8.35	U
75-35-4	1,1-Dichloroethene	ND	4.17	8.35	U
75-15-0	Carbon disulfide	ND	4.17	8.35	U
75-09-2	Methylene Chloride	6.26	4.17	8.35	J
156-60-5	trans-1,2-Dichloroethene	ND	4.17	8.35	U
75-34-3	1,1-Dichloroethane	ND	4.17	8.35	U
108-05-4	Vinyl acetate	ND	4.17	8.35	U
590-20-7	2,2-Dichloropropane	ND	4.17	8.35	U
78-93-3	2-Butanone	ND	4.17	8.35	U
156-59-4	cis-1,2-Dichloroethene	ND	4.17	8.35	U
67-66-3	Chloroform	ND	4.17	8.35	U
74-97-5	Bromochloromethane	ND	4.17	8.35	U
71-55-6	1,1,1-Trichloroethane	ND	4.17	8.35	U
563-58-6	1,1-Dichloropropene	ND	4.17	8.35	U
56-23-5	Carbon Tetrachloride	ND	4.17	8.35	U
107-06-2	1,2-Dichloroethane	ND	4.17	8.35	U
71-43-2	Benzene	ND	4.17	8.35	U



ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-17
Lab Sample ID: 1502101-01
Project: E. 138th Street, Bronx, NY; 10BR188
Work Order: 1502101

Date Sampled:	11/17/15 11:50	Prep Date:	11/25/15 13:31	Matrix:	Soil
Percent Solids:	53.00	Prep Method:	EPA 5035A	File ID:	D13215.D
Prep Batch:	B5K2512	Sequence:	S5K2505	Analyzed:	11/25/15 13:31
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
79-01-6	Trichloroethene	ND	4.17	8.35	U
78-87-5	1,2-Dichloropropane	ND	4.17	8.35	U
75-27-4	Bromodichloromethane	ND	4.17	8.35	U
74-95-3	Dibromomethane	ND	4.17	8.35	U
110-75-8	2-Chloroethyl vinyl ether	ND	4.17	8.35	U
10061-01-5	cis-1,3-Dichloropropene	ND	4.17	8.35	U
108-88-3	Toluene	ND	4.17	8.35	U
10061-02-6	trans-1,3-Dichloropropene	ND	4.17	8.35	U
79-00-5	1,1,2-Trichloroethane	ND	4.17	8.35	U
108-10-1	4-Methyl-2-pentanone	ND	4.17	8.35	U
106-93-4	1,2-Dibromoethane	ND	4.17	8.35	U
591-78-6	2-Hexanone	ND	4.17	8.35	U
142-28-9	1,3-Dichloropropane	ND	4.17	8.35	U
127-18-4	Tetrachloroethene	ND	4.17	8.35	U
124-48-1	Dibromochloromethane	ND	4.17	8.35	U
100-41-4	Ethylbenzene	ND	4.17	8.35	U
108-90-7	Chlorobenzene	ND	4.17	8.35	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	4.17	8.35	U
108-38-3/106-42-1	m,p-Xylenes	ND	8.35	16.7	U
95-47-6	o-Xylene	ND	8.35	16.7	U
100-42-5	Styrene	ND	4.17	16.7	U
75-25-2	Bromoform	ND	4.17	8.35	U
98-82-8	Isopropylbenzene	ND	4.17	8.35	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.17	8.35	U
96-18-4	1,2,3-Trichloropropane	ND	4.17	8.35	U



ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-17
Lab Sample ID: 1502101-01
Project: E. 138th Street, Bronx, NY; 10BR188
Work Order: 1502101

Date Sampled:	11/17/15 11:50	Prep Date:	11/25/15 13:31	Matrix:	Soil
Percent Solids:	53.00	Prep Method:	EPA 5035A	File ID:	D13215.D
Prep Batch:	B5K2512	Sequence:	S5K2505	Analyzed:	11/25/15 13:31
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
103-65-1	n-Propyl Benzene	ND	4.17	8.35	U
108-86-1	Bromobenzene	ND	4.17	8.35	U
108-67-8	1,3,5-Trimethylbenzene	ND	4.17	8.35	U
95-49-8	2-Chlorotoluene	ND	4.17	8.35	U
106-43-4	4-Chlorotoluene	ND	4.17	8.35	U
98-06-6	tert-Butylbenzene	ND	4.17	8.35	U
95-63-6	1,2,4-Trimethylbenzene	6.72	4.17	8.35	J
135-98-8	sec-Butylbenzene	ND	4.17	8.35	U
99-87-6	p-Isopropyltoluene	ND	4.17	8.35	U
541-73-1	1,3-Dichlorobenzene	ND	4.17	8.35	U
106-46-7	1,4-Dichlorobenzene	ND	4.17	8.35	U
104-51-8	n-Butyl Benzene	ND	4.17	8.35	U
95-50-1	1,2-Dichlorobenzene	ND	4.17	8.35	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.17	8.35	U
120-82-1	1,2,4-Trichlorobenzene	ND	4.17	8.35	U
87-68-3	Hexachlorobutadiene	ND	4.17	8.35	U
87-61-6	1,2,3-Trichlorobenzene	ND	4.17	8.35	U

<u>Surrogate</u>	<u>% Recovery</u>	<u>Recovery Limits</u>
1,2-Dichloroethane-d4	119%	70-130
Toluene-d8	109%	70-130
Bromofluorobenzene	98%	70-130

* Values outside of QC limits

ND - Indicates compound analyzed for but not detected

U - Indicates compound analyzed for but not detected

J - Indicates estimated value for TICs and all results when detected below the RL

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.

MDL - Minimum detection limit

RL - Reporting limit



ANALYSIS DATA SHEET
EPA 8270

Client: **BRINKERHOFF ENVIRONMENTAL**
 Client Sample ID: **EP-17**
 Lab Sample ID: **1502101-01**
 Project: **E. 138th Street, Bronx, NY; 10BR188**
 Work Order: **1502101**

Date Sampled:	11/17/15 11:50	Prep Date:	11/23/15 07:36	Matrix:	Soil
Percent Solids:	53.00	Prep Method:	EPA 3550B GCMS	File ID:	B3022.D
Prep Batch:	B5K2304	Sequence:	S5K2312	Analyzed:	11/23/15 20:36
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
62-75-9	N-Nitrosodimethylamine	ND	62.8	315	U
108-95-2	Phenol	ND	62.8	315	U
111-44-4	bis(2-chloroethyl)ether	ND	62.8	315	U
95-57-8	2-Chlorophenol	ND	62.8	315	U
541-73-1	1,3-Dichlorobenzene	ND UJ	62.8	315	U
106-46-7	1,4-Dichlorobenzene	ND	62.8	315	U
100-51-6	Benzyl alcohol	ND	62.8	315	U
95-50-1	1,2-Dichlorobenzene	ND	62.8	315	U
95-48-7	2-Methylphenol	ND	62.8	315	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	62.8	315	U
106-44-5	3 & 4-Methylphenol	ND	62.8	315	U
621-64-7	N-Nitroso-di-n-propylamine	ND	62.8	315	U
67-72-1	Hexachloroethane	ND	62.8	315	U
98-95-3	Nitrobenzene	ND	62.8	315	U
78-59-1	Isophorone	ND	62.8	315	U
88-75-5	2-Nitrophenol	ND	62.8	315	U
105-67-9	2,4-Dimethylphenol	ND	62.8	315	U
65-85-0	Benzoic acid	314	157	628	J
111-91-1	bis(2-chloroethoxy)methane	ND	62.8	315	U
120-83-2	2,4-Dichlorophenol	ND	62.8	315	U
120-82-1	1,2,4-Trichlorobenzene	ND UJ	62.8	315	U
91-20-3	Naphthalene	132	62.8	315	J
106-47-8	4-Chloroaniline	ND UJ	62.8	315	U
87-68-3	Hexachlorobutadiene	ND	62.8	315	U
59-50-7	4-Chloro-3-methylphenol	ND	62.8	315	U

MKP 10/23/16



ANALYSIS DATA SHEET
EPA 8270

Client: **BRINKERHOFF ENVIRONMENTAL**
 Client Sample ID: **EP-17**
 Lab Sample ID: **1502101-01**
 Project: **E. 138th Street, Bronx, NY; 10BR188**
 Work Order: **1502101**

Date Sampled:	11/17/15 11:50	Prep Date:	11/23/15 07:36	Matrix:	Soil
Percent Solids:	53.00	Prep Method:	EPA 3550B GCMS	File ID:	B3022.D
Prep Batch:	B5K2304	Sequence:	S5K2312	Analyzed:	11/23/15 20:36
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
91-57-6	2-Methylnaphthylene	ND	62.8	315	U
77-47-4	Hexachlorocyclopentadiene	ND	62.8	315	U
88-06-2	2,4,6-Trichlorophenol	ND	62.8	315	U
95-95-4	2,4,5-Trichlorophenol	ND	62.8	315	U
91-58-7	2-Chloronaphthalene	ND	62.8	315	U
88-74-4	2-Nitroaniline	ND	62.8	315	U
131-11-3	Dimethylphthalate	ND	62.8	315	U
208-96-8	Acenaphthylene	ND	62.8	315	U
99-09-2	3-Nitroaniline	ND	62.8	315	U
83-32-9	Acenaphthene	112	62.8	315	J
51-28-5	2,4-Dinitrophenol	ND <i>UJ</i>	62.8	628	U
100-02-7	4-Nitrophenol	ND	62.8	315	U
132-64-9	Dibenzofuran	ND	62.8	315	U
606-20-2	2,6-Dinitrotoluene	ND	62.8	315	U
121-14-2	2,4-Dinitrotoluene	ND	62.8	315	U
84-66-2	Diethyl phthalate	ND	62.8	315	U
7005-72-3	4-Chlorophenyl-phenylether	ND	62.8	315	U
86-73-7	Fluorene	91.4	62.8	315	J
100-01-6	4-Nitroaniline	ND	62.8	315	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	62.8	315	U
86-30-6	N-Nitrosodiphenylamine	ND	62.8	315	U
101-55-3	4-Bromophenyl-phenylether	ND	62.8	315	U
118-74-1	Hexachlorobenzene	ND	62.8	315	U
87-86-5	Pentachlorophenol	ND	62.8	315	U
85-01-8	Phenanthrene	438	62.8	315	



ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-17
Lab Sample ID: 1502101-01
Project: E. 138th Street, Bronx, NY; 10BR188
Work Order: 1502101

Date Sampled:	11/17/15 11:50	Prep Date:	11/23/15 07:36	Matrix:	Soil
Percent Solids:	53.00	Prep Method:	EPA 3550B GCMS	File ID:	B3022.D
Prep Batch:	B5K2304	Sequence:	S5K2312	Analyzed:	11/23/15 20:36
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
120-12-7	Anthracene	106	62.8	315	J
84-74-2	Di-n-butyl phthalate	ND	62.8	315	U
206-44-0	Fluoranthene	580	62.8	315	
129-00-0	Pyrene	431	62.8	315	
85-68-7	Butylbenzylphthalate	ND	62.8	315	U
91-94-1	3,3'-Dichlorobenzidine	ND	157	315	U
56-55-3	Benzo[a]anthracene	231	62.8	315	J
117-81-7	bis(2-ethylhexyl)phthalate	ND	62.8	315	U
218-01-9	Chrysene	239	62.8	315	J
117-84-0	Di-n-octyl phthalate	ND	62.8	315	U
205-99-2	Benzo[b]fluoranthene	224	62.8	315	J
207-08-9	Benzo[k]fluoranthene	201	62.8	315	J
50-32-8	Benzo[a]pyrene	247	62.8	315	J
193-39-5	Indeno(1,2,3-cd)pyrene	132	62.8	315	J
53-70-3	Dibenzo(a,h)anthracene	70.0	62.8	315	J
191-24-2	Benzo[ghi]perylene	130	62.8	315	J

<u>Surrogate</u>	<u>% Recovery</u>	<u>Recovery Limits</u>
2-Fluorophenol	70%	30-130
Phenol-d5	85%	30-130
Nitrobenzene-d5	66%	30-130
2-Fluorobiphenyl	62%	30-130
2,4,6-Tribromophenol	100%	30-130
Terphenyl-d14	63%	30-130



ANALYSIS DATA SHEET

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-17
Lab Sample ID: 1502101-01
Project: E. 138th Street, Bronx, NY; 10BR188
Work Order: 1502101

Date Sampled:	11/17/15 11:50	Prep Date:	11/19/15 12:05	Matrix:	Soil
Percent Solids:	53.00	Prep Method:	EPA 3550B	File ID:	A20657.D
Prep Batch:	B5K1901	Sequence:	S5K2003	Analyzed:	11/20/15 23:45
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
319-84-6	alpha-BHC	ND	1.25	1.25	U
319-85-7	beta-BHC	ND	1.25	1.25	U
319-86-8	delta-BHC	ND	1.25	1.25	U
58-89-9	gamma-BHC [Lindane]	ND	1.25	1.25	U
76-44-8	Heptachlor	ND	1.25	1.25	U
309-00-2	Aldrin	ND	1.25	1.25	U
1024-57-3	Heptachlor Epoxide	ND	1.25	1.25	U
959-98-8	Endosulfan I	ND	1.25	1.25	U
60-57-1	Dieldrin	ND	2.51	2.51	U
72-55-9	4,4'-DDE	ND	2.51	2.51	U
72-20-8	Endrin	ND	2.51	2.51	U
33213-65-9	Endosulfan II	ND	2.51	2.51	U
72-54-8	4,4'-DDD	ND	2.51	2.51	U
1031-07-8	Endosulfan sulfate	ND	2.51	2.51	U
50-29-3	4,4'-DDT	ND	2.51	2.51	U
72-43-5	Methoxychlor	ND	12.6	12.6	U
53494-70-5	Endrin ketone	ND	2.51	2.51	U
7421-93-4	Endrin aldehyde	ND	2.51	2.51	U
5103-71-9	alpha-Chlordane	ND	1.25	1.25	U
5566-34-7	gamma-Chlordane	ND	1.25	1.25	U
8001-35-2	Toxaphene	ND	62.8	62.8	U
12674-11-2	Aroclor-1016	ND	31.3	62.8	U



ANALYSIS DATA SHEET

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-17
Lab Sample ID: 1502101-01
Project: E. 138th Street, Bronx, NY; 10BR188
Work Order: 1502101

Date Sampled:	11/17/15 11:50	Prep Date:	11/19/15 12:05	Matrix:	Soil
Percent Solids:	53.00	Prep Method:	EPA 3550B	File ID:	A20657.D
Prep Batch:	B5K1901	Sequence:	S5K2003	Analyzed:	11/20/15 23:45
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
11104-28-2	Aroclor-1221	ND	31.3	62.8	U
11141-16-5	Aroclor-1232	ND	31.3	62.8	U
53469-21-9	Aroclor-1242	ND	31.3	62.8	U
12672-29-6	Aroclor-1248	ND	31.3	62.8	U
11097-69-1	Aroclor-1254	ND	31.3	62.8	U
11096-82-5	Aroclor-1260	ND	31.3	62.8	U
37324-23-5	Aroclor-1262	ND	31.3	62.8	U
11100-14-4	Aroclor-1268	ND	31.3	62.8	U

<u>Surrogate</u>	<u>% Recovery</u>	<u>Recovery Limits</u>
Tetrachloro-m-xylene	78.8%	30-150
Tetrachloro-m-xylene [2C]	85.4%	30-150
Decachlorobiphenyl	74.3%	30-150
Decachlorobiphenyl [2C]	82.6%	30-150

* Values outside of QC limits
 ND - Indicates compound analyzed for but not detected
 U - Indicates compound analyzed for but not detected
 J - Indicates estimated value for TICs and all results when detected below the RL
 B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard
 D - Indicates result is based on a dilution
 P - Greater than 25% diff. between 2 GC columns.
 MDL - Minimum detection limit
 RL - Reporting limit



ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-17
Lab Sample ID: 1502101-01
Project: E. 138th Street, Bronx, NY; 10BR188
Work Order: 1502101

Date Sampled: 11/17/15 11:50	Matrix: Soil
Percent Solids: 53.00	File ID: 111915D-029

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
7429-90-5	Aluminum	8580	37.7	37.7	1		11/19/15 10:20	EPA 3050B	11/19/15 19:57 LIT	EPA 6010
7439-97-6	Mercury	ND	0.142	0.142	1	U	11/23/15 09:25	EPA 7471A	11/23/15 15:52 PRT	EPA 7471
7440-36-0	Antimony	ND	7.55	7.55	1	U	11/19/15 10:20	EPA 3050B	11/19/15 19:57 LIT	EPA 6010
7440-38-2	Arsenic	3.28	1.89	1.89	1		11/19/15 10:20	EPA 3050B	11/19/15 19:57 LIT	EPA 6010
7440-39-3	Barium	60.1	37.7	37.7	1		11/19/15 10:20	EPA 3050B	11/19/15 19:57 LIT	EPA 6010
7440-41-7	Beryllium	ND	0.943	0.943	1	U	11/19/15 10:20	EPA 3050B	11/19/15 19:57 LIT	EPA 6010
7440-43-9	Cadmium	ND	0.943	0.943	1	U	11/19/15 10:20	EPA 3050B	11/19/15 19:57 LIT	EPA 6010
7440-70-2	Calcium	10200	47.2	47.2	1		11/19/15 10:20	EPA 3050B	11/19/15 19:57 LIT	EPA 6010
7440-47-3	Chromium	15.0	3.77	3.77	1		11/19/15 10:20	EPA 3050B	11/19/15 19:57 LIT	EPA 6010
7440-48-4	Cobalt	ND	9.43	9.43	1	U	11/19/15 10:20	EPA 3050B	11/19/15 19:57 LIT	EPA 6010
7440-50-8	Copper	21.7	5.66	5.66	1		11/19/15 10:20	EPA 3050B	11/19/15 19:57 LIT	EPA 6010
7439-89-6	Iron	19200	47.2	47.2	1		11/19/15 10:20	EPA 3050B	11/19/15 19:57 LIT	EPA 6010
7439-92-1	Lead	39.2	1.89	1.89	1		11/19/15 10:20	EPA 3050B	11/19/15 19:57 LIT	EPA 6010
7439-95-4	Magnesium	7530	94.3	94.3	1		11/19/15 10:20	EPA 3050B	11/19/15 19:57 LIT	EPA 6010
7439-96-5	Manganese	234	3.77	3.77	1		11/19/15 10:20	EPA 3050B	11/19/15 19:57 LIT	EPA 6010
7440-02-0	Nickel	13.2	7.55	7.55	1		11/19/15 10:20	EPA 3050B	11/19/15 19:57 LIT	EPA 6010
7440-09-7	Potassium	1190	94.3	94.3	1		11/19/15 10:20	EPA 3050B	11/19/15 19:57 LIT	EPA 6010
7782-49-2	Selenium	ND	7.55	7.55	1	U	11/19/15 10:20	EPA 3050B	11/19/15 19:57 LIT	EPA 6010
7440-22-4	Silver	ND	0.943	0.943	1	U	11/19/15 10:20	EPA 3050B	11/19/15 19:57 LIT	EPA 6010
7440-23-5	Sodium	1140	94.3	94.3	1		11/19/15 10:20	EPA 3050B	11/19/15 19:57 LIT	EPA 6010
7440-28-0	Thallium	ND	2.83	5.66	1	U	11/19/15 10:20	EPA 3050B	11/19/15 19:57 LIT	EPA 6010
7440-62-2	Vanadium	20.7	9.43	9.43	1		11/19/15 10:20	EPA 3050B	11/19/15 19:57 LIT	EPA 6010
7440-66-6	Zinc	55.7	11.3	11.3	1		11/19/15 10:20	EPA 3050B	11/19/15 19:57 LIT	EPA 6010

* Values outside of QC limits

ND - Indicates compound analyzed for but not detected

U - Indicates compound analyzed for but not detected

J - Indicates estimated value for TICs and all results when detected below the RL

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.

MDL - Minimum detection limit

RL - Reporting limit



ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-17
Lab Sample ID: 1502101-01
Project: E. 138th Street, Bronx, NY; 10BR188
Work Order: 1502101

Date Sampled: 11/17/15 11:50	Matrix: Soil
Percent Solids: 53.00	File ID:

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
NA	Cyanide (total)	ND	1.89	1.89	1	U	11/23/15 08:59	EPA 9010C	11/23/15 15:30 NNM	EPA 9014

CAS NO.	Analyte	Concentration (%)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
NA	Percent Solids	53.0	0.100	0.100	1		11/23/15 10:00	Percent Solids	11/24/15 09:30 CLD	SM 2540 G

* Values outside of QC limits

ND - Indicates compound analyzed for but not detected

U - Indicates compound analyzed for but not detected

J - Indicates estimated value for TICs and all results when detected below the RL

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.

MDL - Minimum detection limit

RL - Reporting limit

Appendix B

***Laboratory
| QC
Documentation***



INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
 Work Order: 1502101
 Project: E. 138th Street, Bronx, NY; 10BR188

Calibration: 15L0202	Instrument: GC/MS D
	Calibration Date: 11/13/2015 3:00:45PM

COMPOUND	Mean RF	RF RSD	LIMIT	Q
Acrolein	1.181812E-02	17.38443		
Acrylonitrile	8.561063E-02	7.584766		
Acetone	0.1170496	66.21322		
Dichlorodifluoromethane	0.2587039	21.23215		
Chloromethane	0.7905557	13.03528	SPCC (0.1)	
Vinyl chloride	0.9053119	11.39674	CCC (20)	
Bromomethane	0.6143821	13.58003		
Chloroethane	0.9100049	10.42609		
Trichlorofluoromethane	0.7991684	11.47453		
Freon 113	0.7178217	9.474922		
1,1-Dichloroethene	1.056305	9.439874	CCC (20)	
Carbon disulfide	1.839929	10.20064		
Methyl Acetate	0.2450891	12.84099		
Methylene Chloride	0.9668761	39.58532		
trans-1,2-Dichloroethene	0.8601373	7.699565		
1,1-Dichloroethane	1.087945	7.363057	SPCC (0.1)	
Vinyl acetate	0.741366	6.464946		
2,2-Dichloropropane	0.7225349	6.230461		
2-Butanone	0.1453586	9.182834		
cis-1,2-Dichloroethene	0.777772	7.865124		
Chloroform	0.7481054	6.471717	CCC (20)	
Bromochloromethane	0.2820551	7.824594		
Cyclohexane	1.339871	8.271247		
1,1,1-Trichloroethane	0.5785336	6.305736		
t-Butyl alcohol	2.162169E-02	13.27505		



INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502101
Project: E. 138th Street, Bronx, NY; 10BR188

Calibration:	15L0202	Instrument:	GC/MS D
		Calibration Date:	11/13/2015 3:00:45PM

COMPOUND	Mean RF	RF RSD	LIMIT	Q
1,1-Dichloropropene	0.1560822	3.255254		
Carbon Tetrachloride	0.2967813	4.078829		
1,2-Dichloroethane	0.2186538	3.997793		
Benzene	1.236865	4.778068		
Trichloroethene	0.2775292	5.934595		
Methylcyclohexane	0.6052219	6.160275		
1,2-Dichloropropane	0.3193203	5.11783	CCC (20)	
1,4-Dioxane	1.232455E-03	12.96952		
Bromodichloromethane	0.2585855	9.027691		
Dibromomethane	0.1152608	6.647037		
2-Chloroethyl vinyl ether	0.1256221	13.92716		
cis-1,3-Dichloropropene	0.3965805	4.425641		
Toluene	1.14699	5.632547	CCC (20)	
trans-1,3-Dichloropropene	0.2871999	3.486732		
1,1,2-Trichloroethane	0.1542789	5.70911		
4-Methyl-2-pentanone	0.160455	5.777099		
1,2-Dibromoethane	0.148165	9.286958		
2-Hexanone	0.1482839	4.753436		
1,3-Dichloropropane	0.3943759	6.535969		
Tetrachloroethene	0.3877077	5.600024		
Dibromochloromethane	0.2315586	5.093483		
Ethylbenzene	1.577123	6.725682	CCC (20)	
Chlorobenzene	0.9172502	5.31409	SPCC (0.3)	
1,1,1,2-Tetrachloroethane	0.2643184	6.864945		
m,p-Xylenes	1.141003	7.096718		



INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
 Work Order: 1502101
 Project: E. 138th Street, Bronx, NY; 10BR188

Calibration: 15L0202	Instrument: GC/MS D
	Calibration Date: 11/13/2015 3:00:45PM

COMPOUND	Mean RF	RF RSD	LIMIT	Q
o-Xylene	1.119356	7.104468		
Styrene	0.9378424	4.571453		
Bromoform	0.1073502	14.91122	SPCC (0.1)	
Isopropylbenzene	3.84506	9.874887		
1,1,2,2-Tetrachloroethane	0.5025223	8.244776	SPCC (0.3)	
1,2,3-Trichloropropane	0.3772226	10.8098		
n-Propyl Benzene	4.604026	9.056089		
Bromobenzene	1.200315	8.830797		
1,3,5-Trimethylbenzene	2.77463	9.110683		
2-Chlorotoluene	2.316807	10.75081		
4-Chlorotoluene	2.313585	9.076129		
tert-Butylbenzene	2.724505	8.070875		
1,2,4-Trimethylbenzene	2.739818	9.992465		
sec-Butylbenzene	4.146891	8.333929		
p-Isopropyltoluene	3.473529	7.481644		
1,3-Dichlorobenzene	1.54165	7.5502		
1,4-Dichlorobenzene	1.496766	7.062437		
n-Butyl Benzene	3.230421	8.632324		
1,2-Dichlorobenzene	1.254937	6.727284		
1,2-Dibromo-3-chloropropane	6.720871E-02	20.71554		
1,2,4-Trichlorobenzene	0.717507	4.373142		
Hexachlorobutadiene	0.402549	5.615947		
Naphthalene	1.245898	4.901948		
1,2,3-Trichlorobenzene	0.5510854	10.70594		
Methyl tert-Butyl Ether	1.543463	12.0515		



LCS / LCS DUPLICATE RECOVERY

EPA 8270

Client: **BRINKERHOFF ENVIRONMENTAL**
 Project: **E. 138th Street, Bronx, NY; 10BR188**
 Work Order: **1502101**

Matrix:	Solid	Prep Method:	EPA 3550B GCMS
Prep Batch:	B5K2304	Lab Sample ID:	B5K2304-BS1

ANALYTE	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC.	QC LIMITS REC.
Pyridine	1670	917	55	20 - 160
N-Nitrosodimethylamine	1670	1090	65	20 - 160
Aniline	1670	1120	67	20 - 160
Phenol	1670	1290	77	20 - 160
bis(2-chloroethyl)ether	1670	1220	73	70 - 130
2-Chlorophenol	1670	1280	77	70 - 130
1,3-Dichlorobenzene	1670	1130	68	70 - 130
1,4-Dichlorobenzene	1670	1160	70	70 - 130
Benzyl alcohol	1670	1300	78	20 - 160
1,2-Dichlorobenzene	1670	1290	78	70 - 130
2-Methylphenol	1670	1300	78	20 - 160
bis(2-chloroisopropyl)ether	1670	1570	94	70 - 130
3 & 4-Methylphenol	1670	1440	86	20 - 160
N-Nitroso-di-n-propylamine	1670	1310	79	70 - 130
Hexachloroethane	1670	1150	69	20 - 160
Nitrobenzene	1670	1220	73	70 - 130
Isophorone	1670	1260	76	70 - 130
2-Nitrophenol	1670	1250	75	70 - 130
2,4-Dimethylphenol	1670	1240	74	70 - 130
bis(2-chloroethoxy)methane	1670	1250	75	70 - 130
2,4-Dichlorophenol	1670	1280	77	70 - 130
1,2,4-Trichlorobenzene	1670	1150	69	70 - 130
Naphthalene	1670	1190	72	70 - 130
4-Chloroaniline	1670	666	40	70 - 130
Hexachlorobutadiene	1670	1230	74	70 - 130
4-Chloro-3-methylphenol	1670	1420	85	70 - 130
2-Methylnaphthylene	1670	1230	74	70 - 130
Hexachlorocyclopentadiene	1670	1140	68	20 - 160



LCS / LCS DUPLICATE RECOVERY

EPA 8270

Client: **BRINKERHOFF ENVIRONMENTAL**
 Project: **E. 138th Street, Bronx, NY; 10BR188**
 Work Order: **1502101**

Matrix:	Solid	Prep Method:	EPA 3550B GCMS
Prep Batch:	B5K2304	Lab Sample ID:	B5K2304-BS1

ANALYTE	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC.	QC LIMITS REC.
2,4,6-Trichlorophenol	1670	1340	80	70 - 130
2,4,5-Trichlorophenol	1670	1370	82	70 - 130
2-Chloronaphthalene	1670	1330	80	70 - 130
2-Nitroaniline	1670	1470	88	70 - 130
Dimethylphthalate	1670	1570	94	70 - 130
Acenaphthylene	1670	1430	86	70 - 130
3-Nitroaniline	1670	1240	75	70 - 130
Acenaphthene	1670	1310	78	70 - 130
2,4-Dinitrophenol	1670	526	32	20 - 160
4-Nitrophenol	1670	1590	96	20 - 160
Dibenzofuran	1670	1360	82	70 - 130
2,6-Dinitrotoluene	1670	1410	85	70 - 130
2,4-Dinitrotoluene	1670	1510	91	70 - 130
2,3,4,6-Tetrachlorophenol	1670	1430	86	70 - 130
Diethyl phthalate	1670	1560	93	70 - 130
4-Chlorophenyl-phenylether	1670	1300	78	70 - 130
Fluorene	1670	1440	86	70 - 130
4-Nitroaniline	1670	1550	93	70 - 130
4,6-Dinitro-2-methylphenol	1670	1040	62	70 - 130
Carbazole	1670	1370	82	70 - 130
N-Nitrosodiphenylamine	1670	1300	78	20 - 160
Azobenzene	1670	1310	79	70 - 130
4-Bromophenyl-phenylether	1670	1340	80	70 - 130
Hexachlorobenzene	1670	1310	79	70 - 130
Pentachlorophenol	1670	1180	71	20 - 160
Phenanthrene	1670	1310	79	70 - 130
Anthracene	1670	1320	79	70 - 130
Di-n-butyl phthalate	1670	1390	83	70 - 130



LCS / LCS DUPLICATE RECOVERY

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Project: E. 138th Street, Bronx, NY; 10BR188
Work Order: 1502101

Matrix: Solid	Prep Method: EPA 3550B GCMS
Prep Batch: B5K2304	Lab Sample ID: B5K2304-BS1

ANALYTE	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC.	QC LIMITS REC.
Fluoranthene	1670	1400	84	70 - 130
Pyrene	1670	1190	71	70 - 130
Butylbenzylphthalate	1670	1310	78	70 - 130
Benzo[a]anthracene	1670	1320	79	70 - 130
bis(2-ethylhexyl)phthalate	1670	1280	77	70 - 130
Chrysene	1670	1330	80	70 - 130
Di-n-octyl phthalate	1670	1530	92	70 - 130
Benzo[b]fluoranthene	1670	1560	94	70 - 130
Benzo[k]fluoranthene	1670	1460	88	70 - 130
Benzo[a]pyrene	1670	1510	90	70 - 130
Indeno(1,2,3-cd)pyrene	1670	1500	90	70 - 130
Dibenzo(a,h)anthracene	1670	1470	88	70 - 130
Benzo[ghi]perylene	1670	1420	85	70 - 130

* Values outside of QC limits

Appendix C

Validator Qualifications

KENNETH R. APPLIN
Geochemist/Data Validator

Ph.D., Geochemistry and Mineralogy, The Pennsylvania State University

M.S., Geochemistry and Mineralogy, The Pennsylvania State University

B.A., Geological Sciences, SUNY at Geneseo, NY

Dr. Applin has over 35 years of experience working with the geochemistry of natural waters. His prior experience includes working as an Assistant Professor of Geology at the University of Missouri-Columbia and as Chief Hydrogeologist and Geochemist with a leading engineering firm in Rochester, NY. In 1993, he established KR Applin and Associates, a small consulting business that focuses on the geochemistry of natural waters, especially as applied to problems involving the contamination of groundwater and surface water.

Dr. Applin is also an experienced analytical data validator and has provided data validation services since 1994 to a variety of clients performing brownfield cleanup projects, hazardous waste remediation, groundwater monitoring at solid waste facilities, and other projects requiring third-party data validation. Dr. Applin has several years of hands-on experience with the laboratory analysis of natural waters and has successfully completed the USEPA Region II certification courses for performing inorganic and organic analytical data validation.

MICHAEL K. PERRY
Chemist/Data Validator

B.S. Chemistry, Georgia State University, Atlanta, GA

A.A.S., Chemical Technology, Alfred State College, Alfred, NY

Mr. Perry has over 30 years of experience in the analytical laboratory business. During his early career, he spent several years as a laboratory analyst performing the analysis of soil, water, and air samples for inorganic and organic chemical parameters. During his last 20 years in the environmental laboratory business, he managed and directed two major analytical laboratories in Rochester, NY. His management responsibilities included oversight of the daily operations of the lab, staff training and supervision, the selection, purchase, and maintenance of analytical instruments, the introduction of new laboratory methods, analytical quality assurance and quality control, data acquisition and management, and other business-related activities.

Mr. Perry has an extensive working knowledge of the methods and procedures used for sampling and analyzing both inorganic and organic analytes in soil, water, and air. He is an accomplished laboratory chemist and is familiar with the analytical methods and procedures established under the USEPA Contract Laboratory Protocols (CLP), the NYSDEC Analytical Services Protocols (ASP), and the NYSDOH Environmental Laboratory Approval Program (ELAP).

DATA USABILITY SUMMARY REPORT (DUSR)

**Former G & C Services
255 East 138th Street
Bronx, NY
NYSDEC BCP # C203057**

SDG: 1502323
1 Soil Sample

Prepared for:

**Brinkerhoff Environmental Services, Inc.
1805 Atlantic Avenue
Manasquan, NJ 08736**

October 2016



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APPENDIX A	Validated Analytical Results
APPENDIX B	Laboratory QC Documentation
APPENDIX C	Validator Qualifications

Tables

Table 4-1	Data Validation Guidance Documents
Table 4-2	Quality Control Criteria for Validating Laboratory Analytical Data

Summaries of Validated Results

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Table 6-4	PCBs
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Table 6-6	Wet Chemistry

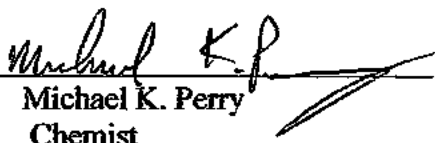
REVIEWER'S NARRATIVE
SDG 1502323

The data associated with this Sample Delivery Group (SDG) 1502323, analyzed by Accredited Analytical Resources, LLC, Carteret, NJ have been reviewed in accordance with assessment criteria provided by the New York State Department of Environmental Conservation following the review procedures provided in the USEPA Functional Guidelines for evaluating organic and inorganic data.

All analytical results reported by the laboratory are considered valid and acceptable except results that have been qualified as rejected, "R". Results qualified as estimated "J", or as non-detects, "U", are considered usable for the purpose of evaluating water and/or soil quality. However, these qualifiers indicate that the accuracy and/or precision of the analytical result is questionable. A summary of all data that have been qualified and the reasons for qualification are provided in the following data usability summary report (DUSR).

Two facts should be noted by all data users. First, the "R" qualifier means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the analyte is present or not. Values qualified with an "R" should not appear on the final data tables because they cannot be relied upon, even as the last resort. Second, no analyte concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error.

Reviewer's Signature: _____


Michael K. Perry
Chemist

Date: _____

10/25/16

1.0 SUMMARY

SITE: 255 East 138th Street.
Bronx , NY

SAMPLING DATE: December 23, 2015

SAMPLE TYPE: 1 soil sample

LABORATORY: Accredited Analytical Resources, LLC.
Carteret, NJ

SDG No.: 1502323

2.0 INTRODUCTION

This data usability summary report (DUSR) was prepared in accordance with guidance provided by the New York State Department of Environmental Conservation (NYSDEC). The DUSR is based on a review and evaluation of the laboratory analytical data package. Specifically, the NYSDEC guidance recommends review and evaluation of the following elements of the data package:

- Completeness of the data package as defined under the requirements of the NYSDEC Analytical Services Protocols (ASP) Category B or the United States Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) deliverables,
- Compliance with established analyte holding times,
- Adherence to quality control (QC) limits and specifications for blanks, instrument tuning and calibration, surrogate recoveries, spike recoveries, laboratory duplicate analyses, and other QC criteria,
- Adherence to established analytical protocols,
- Conformance of data summary sheets with raw analytical data, and
- Use of correct data qualifiers.

Data deficiencies, analytical protocol deviations, and quality control problems identified using the review criteria above and their effect on the analytical results are discussed in this report.

3.0 SAMPLE AND ANALYSIS SUMMARY

The data package consists of analytical results for one soil sample collected on December 23, 2015. These samples were analyzed for volatile organic compounds, semi-volatile organic compounds, pesticides, polychlorinated biphenyls (PCBs), TAL metals, hexavalent chromium, and total cyanide.

All laboratory analyses were performed by Accredited Analytical Resources, LLC., Carteret, NJ and analyzed as SDG 1502323. The analytical results were provided in NYSDEC ASP Category B format, which includes all raw analytical data and laboratory QC data.

4.0 GUIDANCE DOCUMENTS AND DATA REVIEW CRITERIA

The guidance documents used for reviewing laboratory quality control (QC) data and assigning data qualifiers (flags) to analytical results are listed in Table 4-1. The QC limits established in the documents applicable to this data review were used to assess the quality of the analytical results. In some cases, however, QC limits established internally by the laboratory were taken into account to determine data quality.

The QC criteria considered for assessing the usability of the reported analytical results provided for each analyte type (i.e. VOCs, SVOCs, metals, etc.) are listed in Table 4-2. These criteria may vary with the analytical method utilized by the laboratory. These criteria comply with the guidance recommended in Section 2.0 above.

5.0 DATA VALIDATION QUALIFIERS

The letter qualifiers (flags) used to define data usability are described briefly below. These letters are assigned by the data validator to analytical results having questionable accuracy and/or precision as determined by reviewing the laboratory QC data associated with the analytical results.

TABLE 4-1**DATA VALIDATION GUIDANCE DOCUMENTS**

Analyte Type	Validation Guidance
VOCs	USEPA, 2008, Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry; SW-846 Method 8260B; SOP # HW-24, Rev. 2. USEPA, 2008, Statement of Work for Organic Analysis of Low/Medium Concentration of Volatile Organic Compounds SOM01.2; SOP HW-33, Rev. 2.
SVOCs	USEPA, 2007, Statement of Work for Organic Analysis of Low/Medium Concentration of Semivolatile Organic Compounds SOM01.2; SOP HW-35, Rev. 1.
Pesticides/PCBs	USEPA, 2006, CLP Organics Data Review and Preliminary Review (CLP/SOW OLMO 4.3); SOP # HW-6, Rev. 14, Part C.
Metals	USEPA, 2006, Validation of Metals for the Contract Laboratory Program (CLP) based on SOW ILMO 5.3 (SOP Revision 13), SOP # HW-2, Rev. 13.
Gen Chemistry	NYSDEC, 2005, Analytical Services Protocols (ASP)
VOCs (Ambient air)	USEPA, 2006, Validating Air Samples, Volatile Organic Analysis of Ambient Air in Canister by Method TO-15; SOP # HW-31, Rev. 4.

TABLE 4-2

**QUALITY CONTROL CRITERIA USED FOR VALIDATING
LABORATORY ANALYTICAL DATA**

VOCs	SVOCs	Pesticides/PCBs	Metals	Gen Chemistry	Method TO-15
Completeness of Pkg Sample Condition Holding Time System Monitoring Compounds Lab Control Sample Matrix Spikes Blanks Instrument Tuning Internal Standards Initial Calibration Continuing Calibration Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Time Surrogate Recoveries Lab Control Sample Matrix Spikes Blanks Instrument Tuning Internal Standards Initial Calibration Continuing Calibration Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Time Surrogate Recoveries Matrix Spikes Blanks Instrument Calibration & Verification Analyte ID Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Time Initial/Continuing Calibration CRDL Standards Blanks Interference Check Sample Spike Recoveries Lab Duplicate Lab Control Sample ICP Serial Dilutions Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Times Calibration Lab Control Samples Blanks Spike Recoveries Lab Duplicates	Completeness of Pkg Sample Condition Holding Time Canister Certification Lab Control Sample Instrument Tuning Blanks Initial Calibration & System Performance Daily Calibration Field Duplicate

The laboratory may also use various letters and symbols to flag analytical results generated when QC limits were exceeded. The meanings of these flags may differ from those used by the independent data validator. Those used by the laboratory are provided with the analytical results.

NOTE: The assignment of data qualifiers by the data reviewer (validator) to laboratory analytical results should not necessarily be interpreted by the data user as a measure of laboratory ability or proficiency. Rather, the qualifiers are intended to provide a measure of data accuracy and precision to the data user, which, for example, may provide a level of confidence in determining whether or not standards or cleanup objectives have been met.

- U** The analyte was analyzed for but was not detected at or above the sample quantitation limit.
- J** The analyte was positively identified; the associated numerical value is the *approximate* concentration of the analyte in the sample. (The magnitude of any \pm value associated with the result is not determined by data validation).
- UJ** The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is *approximate* and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R** The sample result is rejected (i.e., is unusable) due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
- N** The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
- JN** The analyte is considered to be "presumptively present." The associated numerical value represents its *approximate* concentration.

The validated analytical results are attached to this report. Validation qualifiers (flags) are indicated using red ink. Data sheets having qualified data are signed and dated by the data reviewer.

6.0 RESULTS OF THE DATA REVIEW

The results of the data review are summarized in Tables 6-1 through 6-6. The tables list the samples where QC criteria were found to exceed acceptable limits and the actions taken to qualify the associated analytical results.

7.0 TOTAL USABLE DATA

For SDG 1502323, one sample was analyzed and results were reported for 191 analytes. Even though some results were flagged with a "J", all results (100 %) are considered usable. See the summary table for the associated QC reasons.

Table 6-1 VOCs

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
EP-18	Isopropylbenzene 1,1,2,2-Tetrachlorobenzene 1,2,3-Trichloropropane n-Propylbenzene Bromobenzene 1,3,5-Trimethylbenzene 2-Chlorotoluene 4-Chlorotoluene tert-Butylbenzene 1,2,4-Trimethylbenzene sec-Butylbenzene p-Isopropyltoluene 1,3-Dichlorobenzene 1,4-Dichlorobenzene n-Butylbenzene 1,2-Dichlorobenzene DBCP 1,2,4-Trichlorobenzene Hexachlorobutadiene 1,2,3-Trichlorobenzene	UJ non-detects J detects	IS #4 area < 50 % QC limit	Sample data is estimated
EP-18	Methylene Chloride	J all data 10X MB value	Detected in the method blank	No data affected
EP-18	Acetone Methylene Chloride	J detects	ICV RPD > 20 %	Sample detects are estimated

Table 6-2 SVOCs

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
EP-18	3-Nitroaniline 4-Chloroaniline	"UJ"	LCS < 70 % QC limit	All samples non-detect

Table 6-3 Pesticides

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

Table 6-4 PCBs

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

Table 6-5 TAL Metals

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

Table 6-6 Wet Chemistry

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
EP-18	CR+6	UJ non-detect and J detects	MS < 75 %	All samples non-detect

ACRONYMS

BSP	Blank Spike
CCAL	Continuing Calibration
CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification
CRDL	Contract Required Detection Limit
CRQL	Contract Required Quantitation Limit
%D	Percent Difference
ICAL	Initial Calibration
ICB	Initial Calibration Blank
IS	Internal Standard
LCS	Laboratory Control Sample
MS/MSD	Matrix Spike/Matrix Spike Duplicate
QA	Quality Assurance
QC	Quality Control
%R	Percent recovery
RPD	Relative Percent Difference
%RSD	Percent Relative Standard Deviation
TAL	Target Analyte List (metals)
TCL	Target Compound List (organics)

Appendix A

*Validated
Analytical
Results*



Accredited Analytical Resources, LLC.

ANALYTICAL REPORT

for

BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.

Manasquan, NJ 08736

Project: 255 East 138th Street, Bronx, NY

AAR Work Order: 1502323

Client Sample ID: EP-18	Lab Sample ID: 1502323-01
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This data has been reviewed and accepted by:

Daniel Miguel
Technical Director

01/13/2016

New Jersey Certification Number: 12007
New York Certification Number: 11109
Pennsylvania Certification Number: 68-02799

This report shall not be reproduced, except in its entirety, without the written consent of Accredited Analytical Resources, LLC.
The test results included in this report relate only to the samples analyzed.



Case Narrative

Conformance / Non-Conformance Summary

Accredited Analytical Resources, LLC received 1 sample(s) from BRINKERHOFF ENVIRONMENTAL (Project: 255 East 136th Street, Bronx, NY) on 12/23/2015 12:00:00 PM.

All analyses were performed within the required holding time.

In the BNA analyses, the laboratory control sample (LCS) for Batch B5L2403 recovered outside control limits for multiple analytes. These analytes were within house limits; therefore, the data has been reported.

In the BNA analyses, the MS/MSD for Batch B5L2403 had compounds recovered outside acceptance criteria due to matrix interference. The LCS was within acceptance limits for affected compounds; therefore, no further action required.

In the Pesticide analyses, the laboratory control sample (LCS) for Batch B5L2402 recovered outside control limits for certain analytes. These analytes were within house limits; therefore, the data has been reported.

In the Pesticide analyses, the MS/MSD for Batch B5L2402 had compounds recovered outside acceptance criteria due to matrix interference, the LCS was within acceptance limits for affected compounds; therefore, no further action required.

In the Metals analysis the recoveries of the MS/MSD were outside of acceptance criteria. The QC sample had concentrations too high to be able to determine a spike recovery. The LCS was within acceptance criteria for those metals out in the MS/MSD. The results are included in this data package.

Except for the parameters tested AAR makes no representation as to the fitness or quality of the sample (s) taken.

*The laboratory has reviewed the quality assurance and quality control measurements for the sample analyses.

Daniel Miguel
Technical Director



Accredited Analytical Resources, LLC.

20 PERSHING AVE, CARTERET, NJ 07008
 Tel. 732-969-6112 FAX 732-541-1383
 WEB: WWW.ACCREDITEDANALYTICAL.COM

CHAIN OF CUSTODY FORM

CLIENT NAME: Brinkhoff Environmental Services, Inc.
 ADDRESS: 1805 Atlantic Avenue
 CITY: Manasquan, NJ
 STATE: NJ ZIP: 08736

STATE AGENCY (CIRCLE ONE): NJ NY PA
 PROJECT NAME: 255 E. 136th Street, Bronx, NY
 CONTACT: Doug Harm + Sean Harrison
 OFFICE PHONE #: 732-223-2225
 OFFICE FAX #: 732-223-3666
 INITIAL RESULTS TO: Doug Harm + Sean Harrison
 EMAIL FOR INVOICE: dharm@brink-env + sharrison@brink-env

AAR QUOTE # _____
 AAR WORK ORDER # 1502323
 P.O. # 10B2188

ANALYSIS

CUSTOMER SAMPLE # / ID	DATE / TIME SAMPLED	MATRIX CODE	DEPTH	# OF CONTAINERS	GRAB (G) COMP (C)	PRES. CODE				CONT. CODE				AAR SAMPLE #	
						TAL FULL	TCL FULL	Hex Chrom	Tri Chrom						
EP-18	12/23/15 10:10	S		4	G	X	X	X	X						-01

MATRIX CODES: S = SOIL A = AQUEOUS GW = GROUND WATER WW = WASTE WATER SW = SURFACE WATER P = POTABLE WATER O = OIL K = SOLID X = OTHER

CONTAINER TYPE CODES: G = GLASS P = PLASTIC E = ENCORE PRESERVATIVES CODES: 1 = HCL 2 = HNO3 3 = H2SO4 4 = NaOH 5 = OTHER

TURNAROUND TIME (CIRCLE ONE): STANDARD 5 DAY 72 HRS. 48 HRS. 24 HRS. OTHER 1 WEEK
 (IF BLANK STANDARD WILL APPLY)

REPORT TYPE: RESULTS ONLY _____ REDUCED _____ FULL X EDD _____ EXCEL SPREADSHEET _____

COMMENTS: Category B data deliverable. Hard copy by January 13th 2015
NYSDCL COOLER TEMP: 4°C

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: Monica Norton SIGN: Monica Norton

SIGN BELOW WHEN DELIVERING SAMPLES. EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COOLER DELIVERY, CUSTODY MUST BE DOCUMENTED.

RELINQUISHED BY:		RECEIVED BY:		RELINQUISHED BY:		RECEIVED BY:	
Print Name: <u>Monica Norton</u>	Signature: <u>Monica Norton</u>	Print Name: <u>X. MURIZ</u>	Signature: <u>X. MURIZ</u>	Print Name: _____	Signature: _____	Print Name: _____	Signature: _____
Agent of: _____	Agent of: _____	Agent of: <u>AAR</u>	Agent of: _____	Agent of: _____	Agent of: _____	Agent of: _____	Agent of: _____
Date Received: <u>12/23/15</u>	Time: <u>1200</u>	Date Received: <u>/ /</u>	Time: <u>/ /</u>	Date Received: <u>/ /</u>	Time: <u>/ /</u>	Date Received: <u>/ /</u>	Time: <u>/ /</u>
Print Name: _____	Signature: _____	Print Name: _____	Signature: _____	Print Name: _____	Signature: _____	Print Name: _____	Signature: _____
Agent of: _____	Agent of: _____	Agent of: _____	Agent of: _____	Agent of: _____	Agent of: _____	Agent of: _____	Agent of: _____
Date Received: <u>/ /</u>	Time: <u>/ /</u>	Date Received: <u>/ /</u>	Time: <u>/ /</u>	Date Received: <u>/ /</u>	Time: <u>/ /</u>	Date Received: <u>/ /</u>	Time: <u>/ /</u>



ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-18
Lab Sample ID: 1502323-01
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502323

Date Sampled:	12/23/15 10:10	Prep Date:	12/23/15 23:47	Matrix:	Soil
Percent Solids:	71.30	Prep Method:	EPA 5035A	File ID:	D13585.D
Prep Batch:	B5L2319	Sequence:	S5L2311	Analyzed:	12/23/15 23:47
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
107-02-8	Acrolein	ND	8.42	14.0	U
107-13-1	Acrylonitrile	ND	2.81	14.0	U
67-64-1	Acetone	20.8 J	1.40	2.81	
75-71-8	Dichlorodifluoromethane	ND	1.40	2.81	U
74-87-3	Chloromethane	ND	1.40	2.81	U
75-01-4	Vinyl chloride	ND	1.40	2.81	U
74-83-9	Bromomethane	ND	1.40	2.81	U
75-00-3	Chloroethane	ND	1.40	2.81	U
75-69-4	Trichlorofluoromethane	ND	1.40	2.81	U
75-35-4	1,1-Dichloroethene	ND	1.40	2.81	U
75-15-0	Carbon disulfide	ND	1.40	2.81	U
75-09-2	Methylene Chloride	ND	1.40	2.81	U
156-60-5	trans-1,2-Dichloroethene	ND	1.40	2.81	U
75-34-3	1,1-Dichloroethane	ND	1.40	2.81	U
108-05-4	Vinyl acetate	ND	1.40	2.81	U
590-20-7	2,2-Dichloropropane	ND	1.40	2.81	U
78-93-3	2-Butanone	ND	1.40	2.81	U
156-59-4	cis-1,2-Dichloroethene	ND	1.40	2.81	U
67-66-3	Chloroform	ND	1.40	2.81	U
74-97-5	Bromochloromethane	ND	1.40	2.81	U
71-55-6	1,1,1-Trichloroethane	ND	1.40	2.81	U
563-58-6	1,1-Dichloropropene	ND	1.40	2.81	U
56-23-5	Carbon Tetrachloride	ND	1.40	2.81	U
107-06-2	1,2-Dichloroethane	ND	1.40	2.81	U
71-43-2	Benzene	ND	1.40	2.81	U

11/28/15 10:25/16



ANALYSIS DATA SHEET
EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-18
Lab Sample ID: 1502323-01
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502323

Date Sampled:	12/23/15 10:10	Prep Date:	12/23/15 23:47	Matrix:	Soil
Percent Solids:	71.30	Prep Method:	EPA 5035A	File ID:	D13585.D
Prep Batch:	B5L2319	Sequence:	S5L2311	Analyzed:	12/23/15 23:47
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
79-01-6	Trichloroethene	ND	1.40	2.81	U
78-87-5	1,2-Dichloropropane	ND	1.40	2.81	U
75-27-4	Bromodichloromethane	ND	1.40	2.81	U
74-95-3	Dibromomethane	ND	1.40	2.81	U
110-75-8	2-Chloroethyl vinyl ether	ND	1.40	2.81	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.40	2.81	U
108-88-3	Toluene	ND	1.40	2.81	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.40	2.81	U
79-00-5	1,1,2-Trichloroethane	ND	1.40	2.81	U
108-10-1	4-Methyl-2-pentanone	ND	1.40	2.81	U
106-93-4	1,2-Dibromoethane	ND	1.40	2.81	U
591-78-6	2-Hexanone	ND	1.40	2.81	U
142-28-9	1,3-Dichloropropane	ND	1.40	2.81	U
127-18-4	Tetrachloroethene	ND	1.40	2.81	U
124-48-1	Dibromochloromethane	ND	1.40	2.81	U
100-41-4	Ethylbenzene	ND	1.40	2.81	U
108-90-7	Chlorobenzene	ND	1.40	2.81	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.40	2.81	U
108-38-3/106-42	m,p-Xylenes	ND	2.81	5.61	U
95-47-6	o-Xylene	ND	2.81	5.61	U
100-42-5	Styrene	ND	1.40	5.61	U
75-25-2	Bromoform	ND	1.40	2.81	U
98-82-8	Isopropylbenzene	ND 45	1.40	2.81	U
79-34-5	1,1,1,2-Tetrachloroethane	ND ↓	1.40	2.81	U
96-18-4	1,2,3-Trichloropropane	ND ↓	1.40	2.81	U



ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-18
Lab Sample ID: 1502323-01
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502323

Date Sampled:	12/23/15 10:10	Prep Date:	12/23/15 23:47	Matrix:	Soil
Percent Solids:	71.30	Prep Method:	EPA 5035A	File ID:	D13585.D
Prep Batch:	B5L2319	Sequence:	S5L2311	Analyzed:	12/23/15 23:47
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
103-65-1	n-Propyl Benzene	ND U J	1.40	2.81	U
108-86-1	Bromobenzene	ND	1.40	2.81	U
108-67-8	1,3,5-Trimethylbenzene	ND	1.40	2.81	U
95-49-8	2-Chlorotoluene	ND	1.40	2.81	U
106-43-4	4-Chlorotoluene	ND	1.40	2.81	U
98-06-6	tert-Butylbenzene	ND	1.40	2.81	U
95-63-6	1,2,4-Trimethylbenzene	ND	1.40	2.81	U
135-98-8	sec-Butylbenzene	ND	1.40	2.81	U
99-87-6	p-Isopropyltoluene	1.73 J	1.40	2.81	J
541-73-1	1,3-Dichlorobenzene	ND U J	1.40	2.81	U
106-46-7	1,4-Dichlorobenzene	ND	1.40	2.81	U
104-51-8	n-Butyl Benzene	ND	1.40	2.81	U
95-50-1	1,2-Dichlorobenzene	ND	1.40	2.81	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.40	2.81	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.40	2.81	U
87-68-3	Hexachlorobutadiene	ND	1.40	2.81	U
87-61-6	1,2,3-Trichlorobenzene	ND	1.40	2.81	U

<u>Surrogate</u>	<u>% Recovery</u>	<u>Recovery Limits</u>
1,2-Dichloroethane-d4	111%	70-130
Toluene-d8	99%	70-130
Bromofluorobenzene	79%	70-130

* Values outside of QC limits
 ND - Indicates compound analyzed for but not detected
 U - Indicates compound analyzed for but not detected
 J - Indicates estimated value for TICs and all results when detected below the RL
 B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard
 D - Indicates result is based on a dilution
 P - Greater than 25% diff. between 2 GC columns.
 MDL - Minimum detection limit
 RL - Reporting limit

mxf10/25/16



ANALYSIS DATA SHEET
EPA 8270

Client: **BRINKERHOFF ENVIRONMENTAL**
 Client Sample ID: **EP-18**
 Lab Sample ID: **1502323-01**
 Project: **255 East 138th Street, Bronx, NY**
 Work Order: **1502323**

Date Sampled:	12/23/15 10:10	Prep Date:	12/24/15 07:52	Matrix:	Soil
Percent Solids:	71.30	Prep Method:	EPA 3550B GCMS	File ID:	E9636.D
Prep Batch:	B5L2403	Sequence:	S5L2803	Analyzed:	12/28/15 15:48
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
62-75-9	N-Nitrosodimethylamine	ND	46.7	234	U
108-95-2	Phenol	ND	46.7	234	U
111-44-4	bis(2-chloroethyl)ether	ND	46.7	234	U
95-57-8	2-Chlorophenol	ND	46.7	234	U
541-73-1	1,3-Dichlorobenzene	ND	46.7	234	U
106-46-7	1,4-Dichlorobenzene	ND	46.7	234	U
100-51-6	Benzyl alcohol	ND	46.7	234	U
95-50-1	1,2-Dichlorobenzene	ND	46.7	234	U
95-48-7	2-Methylphenol	ND	46.7	234	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	46.7	234	U
106-44-5	3 & 4-Methylphenol	ND	46.7	234	U
621-64-7	N-Nitroso-di-n-propylamine	ND	46.7	234	U
67-72-1	Hexachloroethane	ND	46.7	234	U
98-95-3	Nitrobenzene	ND	46.7	234	U
78-59-1	Isophorone	ND	46.7	234	U
88-75-5	2-Nitrophenol	ND	46.7	234	U
105-67-9	2,4-Dimethylphenol	ND	46.7	234	U
65-85-0	Benzoic acid	ND	116	467	U
111-91-1	bis(2-chloroethoxy)methane	ND	46.7	234	U
120-83-2	2,4-Dichlorophenol	ND	46.7	234	U
120-82-1	1,2,4-Trichlorobenzene	ND	46.7	234	U
91-20-3	Naphthalene	ND	46.7	234	U
106-47-8	4-Chloroaniline	ND <i>UJ</i>	46.7	234	U
87-68-3	Hexachlorobutadiene	ND	46.7	234	U
59-50-7	4-Chloro-3-methylphenol	ND	46.7	234	U



ANALYSIS DATA SHEET
EPA 8270

Client: **BRINKERHOFF ENVIRONMENTAL**
 Client Sample ID: **EP-18**
 Lab Sample ID: **1502323-01**
 Project: **266 East 138th Street, Bronx, NY**
 Work Order: **1502323**

Date Sampled:	12/23/15 10:10	Prep Date:	12/24/15 07:52	Matrix:	Soil
Percent Solids:	71.30	Prep Method:	EPA 3550B GCMS	File ID:	E9636.D
Prep Batch:	B5L2403	Sequence:	S5L2803	Analyzed:	12/28/15 15:48
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
91-57-6	2-Methylnaphthylene	ND	46.7	234	U
77-47-4	Hexachlorocyclopentadiene	ND	46.7	234	U
88-06-2	2,4,6-Trichlorophenol	ND	46.7	234	U
95-95-4	2,4,5-Trichlorophenol	ND	46.7	234	U
91-58-7	2-Chloronaphthalene	ND	46.7	234	U
88-74-4	2-Nitroaniline	ND	46.7	234	U
131-11-3	Dimethylphthalate	ND	46.7	234	U
208-96-8	Acenaphthylene	ND	46.7	234	U
99-09-2	3-Nitroaniline	ND <i>u/s</i>	46.7	234	U
83-32-9	Acenaphthene	ND	46.7	234	U
51-28-5	2,4-Dinitrophenol	ND	46.7	467	U
100-02-7	4-Nitrophenol	ND	46.7	234	U
132-64-9	Dibenzofuran	ND	46.7	234	U
606-20-2	2,6-Dinitrotoluene	ND	46.7	234	U
121-14-2	2,4-Dinitrotoluene	ND	46.7	234	U
84-66-2	Diethyl phthalate	ND	46.7	234	U
7005-72-3	4-Chlorophenyl-phenylether	ND	46.7	234	U
86-73-7	Fluorene	ND	46.7	234	U
100-01-6	4-Nitroaniline	ND	46.7	234	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	46.7	234	U
86-30-6	N-Nitrosodiphenylamine	ND	46.7	234	U
101-55-3	4-Bromophenyl-phenylether	ND	46.7	234	U
118-74-1	Hexachlorobenzene	ND	46.7	234	U
87-86-5	Pentachlorophenol	ND	46.7	234	U
85-01-8	Phenanthrene	462	46.7	234	



ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-18
Lab Sample ID: 1502323-01
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502323

Date Sampled:	12/23/15 10:10	Prep Date:	12/24/15 07:52	Matrix:	Soil
Percent Solids:	71.30	Prep Method:	EPA 3550B GCMS	File ID:	E9636.D
Prep Batch:	B5L2403	Sequence:	S5L2803	Analyzed:	12/28/15 15:48
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
120-12-7	Anthracene	81.8	46.7	234	J
84-74-2	Di-n-butyl phthalate	ND	46.7	234	U
206-44-0	Fluoranthene	581	46.7	234	
129-00-0	Pyrene	531	46.7	234	
85-68-7	Butylbenzylphthalate	ND	46.7	234	U
91-94-1	3,3'-Dichlorobenzidine	ND	116	234	U
56-55-3	Benzo[a]anthracene	238	46.7	234	
117-81-7	bis(2-ethylhexyl)phthalate	ND	46.7	234	U
218-01-9	Chrysene	285	46.7	234	
117-84-0	Di-n-octyl phthalate	ND	46.7	234	U
205-99-2	Benzo[b]fluoranthene	223	46.7	234	J
207-08-9	Benzo[k]fluoranthene	200	46.7	234	J
50-32-8	Benzo[a]pyrene	219	46.7	234	J
193-39-5	Indeno(1,2,3-cd)pyrene	113	46.7	234	J
53-70-3	Dibenzo(a,h)anthracene	47.7	46.7	234	J
191-24-2	Benzo[ghi]perylene	115	46.7	234	J

<u>Surrogate</u>	<u>% Recovery</u>	<u>Recovery Limits</u>
2-Fluorophenol	57%	30-130
Phenol-d5	66%	30-130
Nitrobenzene-d5	64%	30-130
2-Fluorobiphenyl	62%	30-130
2,4,6-Tribromophenol	85%	30-130
Terphenyl-d14	83%	30-130



ANALYSIS DATA SHEET

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-18
Lab Sample ID: 1502323-01
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502323

Date Sampled:	12/23/15 10:10	Prep Date:	12/24/15 07:49	Matrix:	Soil
Percent Solids:	71.30	Prep Method:	EPA 3550B	File ID:	G14797.D
Prep Batch:	B5L2402	Sequence:	S5L2801	Analyzed:	12/28/15 14:44
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
319-84-6	alpha-BHC	ND	0.926	0.926	U
319-85-7	beta-BHC	ND	0.926	0.926	U
319-86-8	delta-BHC	ND	0.926	0.926	U
58-89-9	gamma-BHC [Lindane]	ND	0.926	0.926	U
76-44-8	Heptachlor	ND	0.926	0.926	U
309-00-2	Aldrin	ND	0.926	0.926	U
1024-57-3	Heptachlor Epoxide	ND	0.926	0.926	U
959-98-8	Endosulfan I	ND	0.926	0.926	U
60-57-1	Dieldrin	ND	1.87	1.87	U
72-55-9	4,4'-DDE	ND	1.87	1.87	U
72-20-8	Endrin	ND	1.87	1.87	U
33213-65-9	Endosulfan II	ND	1.87	1.87	U
72-54-8	4,4'-DDD	ND	1.87	1.87	U
1031-07-8	Endosulfan sulfate	ND	1.87	1.87	U
50-29-3	4,4'-DDT	ND	1.87	1.87	U
72-43-5	Methoxychlor	ND	2.81	9.34	U
53494-70-5	Endrin ketone	ND	1.87	1.87	U
7421-93-4	Endrin aldehyde	ND	1.87	1.87	U
5103-71-9	alpha-Chlordane	ND	0.926	0.926	U
5566-34-7	gamma-Chlordane	ND	0.926	0.926	U
8001-35-2	Toxaphene	ND	46.7	46.7	U
12674-11-2	Aroclor-1016	ND	23.3	46.7	U



ANALYSIS DATA SHEET
EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-18
Lab Sample ID: 1502323-01
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502323

Date Sampled:	12/23/15 10:10	Prep Date:	12/24/15 07:49	Matrix:	Soil
Percent Solids:	71.30	Prep Method:	EPA 3550B	File ID:	G14797.D
Prep Batch:	B5L2402	Sequence:	S5L2801	Analyzed:	12/28/15 14:44
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
11104-28-2	Aroclor-1221	ND	23.3	46.7	U
11141-16-5	Aroclor-1232	ND	23.3	46.7	U
53469-21-9	Aroclor-1242	ND	23.3	46.7	U
12672-29-6	Aroclor-1248	ND	23.3	46.7	U
11097-69-1	Aroclor-1254	ND	23.3	46.7	U
11096-82-5	Aroclor-1260	ND	23.3	46.7	U
37324-23-5	Aroclor-1262	ND	23.3	46.7	U
11100-14-4	Aroclor-1268	ND	23.3	46.7	U

<u>Surrogate</u>	<u>% Recovery</u>	<u>Recovery Limits</u>
Tetrachloro-m-xylene	63.5%	30-150
Tetrachloro-m-xylene [2C]	56.6%	30-150
Decachlorobiphenyl	54.9%	30-150
Decachlorobiphenyl [2C]	65.1%	30-150

* Values outside of QC limits

ND - Indicates compound analyzed for but not detected

U - Indicates compound analyzed for but not detected

J - Indicates estimated value for TICs and all results when detected below the RL

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.

MDL - Minimum detection limit

RL - Reporting limit



ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-18
Lab Sample ID: 1502323-01
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502323

Date Sampled: 12/23/15 10:10	Matrix: Soil
Percent Solids: 71.30	File ID: 122815A-019

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
7429-90-5	Aluminum	7830	28.1	28.1	1		12/24/15 08:18	EPA 3050B	12/28/15 11:22 LIT	EPA 6010
7439-97-6	Mercury	0.108	0.105	0.105	1		12/24/15 07:47	EPA 7471A	12/24/15 11:01 PRT	EPA 7471
7440-36-0	Antimony	ND	5.61	5.61	1	U	12/24/15 08:18	EPA 3050B	12/28/15 11:22 LIT	EPA 6010
7440-38-2	Arsenic	2.77	1.40	1.40	1		12/24/15 08:18	EPA 3050B	12/28/15 11:22 LIT	EPA 6010
7440-39-3	Barium	60.3	28.1	28.1	1		12/24/15 08:18	EPA 3050B	12/28/15 11:22 LIT	EPA 6010
7440-41-7	Beryllium	ND	0.701	0.701	1	U	12/24/15 08:18	EPA 3050B	12/28/15 11:22 LIT	EPA 6010
7440-43-9	Cadmium	ND	0.701	0.701	1	U	12/24/15 08:18	EPA 3050B	12/28/15 11:22 LIT	EPA 6010
7440-70-2	Calcium	12900	35.1	35.1	1		12/24/15 08:18	EPA 3050B	12/28/15 11:22 LIT	EPA 6010
7440-47-3	Chromium	16.1	2.81	2.81	1		12/24/15 08:18	EPA 3050B	12/28/15 11:22 LIT	EPA 6010
7440-48-4	Cobalt	ND	7.01	7.01	1	U	12/24/15 08:18	EPA 3050B	12/28/15 11:22 LIT	EPA 6010
7440-50-8	Copper	24.4	4.21	4.21	1		12/24/15 08:18	EPA 3050B	12/28/15 11:22 LIT	EPA 6010
7439-89-6	Iron	13800	35.1	35.1	1		12/24/15 08:18	EPA 3050B	12/28/15 11:22 LIT	EPA 6010
7439-92-1	Lead	48.5	1.40	1.40	1		12/24/15 08:18	EPA 3050B	12/28/15 11:22 LIT	EPA 6010
7439-95-4	Magnesium	8720	70.1	70.1	1		12/24/15 08:18	EPA 3050B	12/28/15 11:22 LIT	EPA 6010
7439-96-5	Manganese	319	2.81	2.81	1		12/24/15 08:18	EPA 3050B	12/28/15 11:22 LIT	EPA 6010
7440-02-0	Nickel	10.5	5.61	5.61	1		12/24/15 08:18	EPA 3050B	12/28/15 11:22 LIT	EPA 6010
7440-09-7	Potassium	1640	70.1	70.1	1		12/24/15 08:18	EPA 3050B	12/28/15 11:22 LIT	EPA 6010
7782-49-2	Selenium	ND	5.61	5.61	1	U	12/24/15 08:18	EPA 3050B	12/28/15 11:22 LIT	EPA 6010
7440-22-4	Silver	ND	0.701	0.701	1	U	12/24/15 08:18	EPA 3050B	12/28/15 11:22 LIT	EPA 6010
7440-23-5	Sodium	209	70.1	70.1	1		12/24/15 08:18	EPA 3050B	12/28/15 11:22 LIT	EPA 6010
7440-28-0	Thallium	ND	2.10	4.21	1	U	12/24/15 08:18	EPA 3050B	12/28/15 11:22 LIT	EPA 6010
7440-62-2	Vanadium	22.0	7.01	7.01	1		12/24/15 08:18	EPA 3050B	12/28/15 11:22 LIT	EPA 6010
7440-66-6	Zinc	64.4	8.42	8.42	1		12/24/15 08:18	EPA 3050B	12/28/15 11:22 LIT	EPA 6010

* Values outside of QC limits

ND - Indicates compound analyzed for but not detected

U - Indicates compound analyzed for but not detected

J - Indicates estimated value for TICs and all results when detected below the RL

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.

MDL - Minimum detection limit

RL - Reporting limit



ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-18
Lab Sample ID: 1502323-01
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502323

Date Sampled: 12/23/15 10:10	Matrix: Soil
Percent Solids: 71.30	File ID:

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
16065-83-1	Trivalent Chromium	16.1	2.00	2.00	1		12/28/15 08:56	[CALC]	12/29/15 16:01 HTW	[CALC]
1854-02-99	Chromium, Hexava	ND <i>UJ</i>	2.81	2.81	1	U	12/28/15 08:56	SW 846 3060A	12/29/15 16:01 HTW	EPA 7196A
NA	Cyanide (total)	ND	1.40	1.40	1	U	12/28/15 08:20	EPA 9010C	12/28/15 11:54 RMK	EPA 9014

CAS NO.	Analyte	Concentration (%)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
NA	Percent Solids	71.3	0.100	0.100	1		12/28/15 10:00	Percent Solids	12/28/15 13:59 CLD	SM 2540 G

* Values outside of QC limits

ND - Indicates compound analyzed for but not detected

U - Indicates compound analyzed for but not detected

J - Indicates estimated value for TICs and all results when detected below the RL

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.

MDL - Minimum detection limit

RL - Reporting limit

mxp 10/25/16

Appendix B

***Laboratory
QC
Documentation***



LCS / LCS DUPLICATE RECOVERY

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
 Project: 255 East 138th Street, Bronx, NY
 Work Order: 1502323

Matrix:	Solid	Prep Method:	EPA 3550B GCMS
Prep Batch:	BSL2403	Lab Sample ID:	BSL2403-BS1

ANALYTE	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC.	QC LIMITS REC.
Pyridine	1670	1010	61	20 - 160
N-Nitrosodimethylamine	1670	1050	63	20 - 160
Aniline	1670	1000	60	20 - 160
Phenol	1670	1320	79	20 - 160
bis(2-chloroethyl)ether	1670	1230	74	70 - 130
2-Chlorophenol	1670	1330	80	70 - 130
1,3-Dichlorobenzene	1670	1280	77	70 - 130
1,4-Dichlorobenzene	1670	1280	77	70 - 130
Benzyl alcohol	1670	1290	78	20 - 160
1,2-Dichlorobenzene	1670	1310	78	70 - 130
2-Methylphenol	1670	1320	79	20 - 160
bis(2-chloroisopropyl)ether	1670	1230	74	70 - 130
3 & 4-Methylphenol	1670	1340	81	20 - 160
N-Nitroso-di-n-propylamine	1670	1290	77	70 - 130
Hexachloroethane	1670	1290	78	20 - 160
Nitrobenzene	1670	1390	83	70 - 130
Isophorone	1670	1330	80	70 - 130
2-Nitrophenol	1670	1410	84	70 - 130
2,4-Dimethylphenol	1670	1310	78	70 - 130
bis(2-chloroethoxy)methane	1670	1370	82	70 - 130
2,4-Dichlorophenol	1670	1440	86	70 - 130
1,2,4-Trichlorobenzene	1670	1410	85	70 - 130
Naphthalene	1670	1380	83	70 - 130
4-Chloroaniline	1670	424	25 *	70 - 130
Hexachlorobutadiene	1670	1380	83	70 - 130
4-Chloro-3-methylphenol	1670	1430	86	70 - 130
2-Methylnaphthylene	1670	1380	83	70 - 130
Hexachlorocyclopentadiene	1670	1230	74	20 - 160



LCS / LCS DUPLICATE RECOVERY

EPA 8270

Client: **BRINKERHOFF ENVIRONMENTAL**
 Project: **255 East 138th Street, Bronx, NY**
 Work Order: **1502323**

Matrix:	Solid	Prep Method:	EPA 3550B GCMS
Prep Batch:	BSL2403	Lab Sample ID:	BSL2403-BS1

ANALYTE	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC.	QC LIMITS REC.
2,4,6-Trichlorophenol	1670	1460	87	70 - 130
2,4,5-Trichlorophenol	1670	1470	88	70 - 130
2-Chloronaphthalene	1670	1320	79	70 - 130
2-Nitroaniline	1670	1480	89	70 - 130
Dimethylphthalate	1670	1530	92	70 - 130
Acenaphthylene	1670	1440	87	70 - 130
3-Nitroaniline	1670	1060	64 *	70 - 130
Acenaphthene	1670	1420	85	70 - 130
2,4-Dinitrophenol	1670	891	53	20 - 160
4-Nitrophenol	1670	1660	99	20 - 160
Dibenzofuran	1670	1540	92	70 - 130
2,6-Dinitrotoluene	1670	1500	90	70 - 130
2,4-Dinitrotoluene	1670	1600	96	70 - 130
2,3,4,6-Tetrachlorophenol	1670	1490	89	70 - 130
Diethyl phthalate	1670	1470	88	70 - 130
4-Chlorophenyl-phenylether	1670	1410	85	70 - 130
Fluorene	1670	1440	86	70 - 130
4-Nitroaniline	1670	1460	88	70 - 130
4,6-Dinitro-2-methylphenol	1670	1320	79	70 - 130
Carbazole	1670	1530	92	70 - 130
N-Nitrosodiphenylamine	1670	1510	90	20 - 160
Azobenzene	1670	1480	88	70 - 130
4-Bromophenyl-phenylether	1670	1590	96	70 - 130
Hexachlorobenzene	1670	1580	95	70 - 130
Pentachlorophenol	1670	1360	82	20 - 160
Phenanthrene	1670	1510	90	70 - 130
Anthracene	1670	1510	90	70 - 130
Di-n-butyl phthalate	1670	1470	88	70 - 130



LCS / LCS DUPLICATE RECOVERY

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502323

Matrix:	Solid	Prep Method:	EPA 3550B GCMS
Prep Batch:	B5L2403	Lab Sample ID:	B5L2403-BS1

ANALYTE	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC.	QC LIMITS REC.
Fluoranthene	1670	1450	87	70 - 130
Pyrene	1670	1650	99	70 - 130
Butylbenzylphthalate	1670	1640	98	70 - 130
Benzo[a]anthracene	1670	1580	95	70 - 130
bis(2-ethylhexyl)phthalate	1670	1630	98	70 - 130
Chrysene	1670	1720	104	70 - 130
Di-n-octyl phthalate	1670	1630	98	70 - 130
Benzo[b]fluoranthene	1670	1700	102	70 - 130
Benzo[k]fluoranthene	1670	1620	97	70 - 130
Benzo[a]pyrene	1670	1720	103	70 - 130
Indeno(1,2,3-cd)pyrene	1670	1760	106	70 - 130
Dibenzo(a,h)anthracene	1670	1780	107	70 - 130
Benzo[ghi]perylene	1670	1770	106	70 - 130

* Values outside of QC limits



ANALYSIS DATA SHEET

Blank

Client: **BRINKERHOFF ENVIRONMENTAL**
 Work Order: **1502323**
 Project: **255 East 138th Street, Bronx, NY**

Matrix:	Solid	Laboratory ID:	B5L2319-BLK1	File ID:	D13566.D
Batch:	B5L2319	Prepared:	12/23/15 13:57	Analyzed:	12/23/15 13:57
Column:	1	Preparation:	EPA 5035A	Dilution:	
		Sequence:	S5L2311	Instrument:	GC/MS D

CAS NO.	COMPOUND	CONC. (ug/kg wet)	MDL	RL	Q
107-02-8	Acrolein	ND	6.00	10.0	U
107-13-1	Acrylonitrile	ND	2.00	10.0	U
67-64-1	Acetone	ND	1.00	2.00	U
75-71-8	Dichlorodifluoromethane	ND	1.00	2.00	U
74-87-3	Chloromethane	ND	1.00	2.00	U
75-01-4	Vinyl chloride	ND	1.00	2.00	U
74-83-9	Bromomethane	ND	1.00	2.00	U
75-00-3	Chloroethane	ND	1.00	2.00	U
75-69-4	Trichlorofluoromethane	ND	1.00	2.00	U
75-35-4	1,1-Dichloroethene	ND	1.00	2.00	U
75-15-0	Carbon disulfide	ND	1.00	2.00	U
75-09-2	Methylene Chloride	2.71	1.00	2.00	
156-60-5	trans-1,2-Dichloroethene	ND	1.00	2.00	U
75-34-3	1,1-Dichloroethane	ND	1.00	2.00	U
108-05-4	Vinyl acetate	ND	1.00	2.00	U
590-20-7	2,2-Dichloropropane	ND	1.00	2.00	U
78-93-3	2-Butanone	ND	1.00	2.00	U
156-59-4	cis-1,2-Dichloroethene	ND	1.00	2.00	U
67-66-3	Chloroform	ND	1.00	2.00	U
74-97-5	Bromochloromethane	ND	1.00	2.00	U
71-55-6	1,1,1-Trichloroethane	ND	1.00	2.00	U
563-58-6	1,1-Dichloropropene	ND	1.00	2.00	U
56-23-5	Carbon Tetrachloride	ND	1.00	2.00	U
107-06-2	1,2-Dichloroethane	ND	1.00	2.00	U



INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
 Work Order: 1502323
 Project: 255 East 138th Street, Bronx, NY

Calibration:	15L1401	Instrument:	GC/MS D
		Calibration Date:	12/1/2015 7:29:13PM

COMPOUND	Mean RF	RF RSD	LIMIT	Q
Acrolein	1.027946E-02	10.82104		
Acrylonitrile	9.672611E-02	6.510138		
Acetone	0.157306	42.33686		
Dichlorodifluoromethane	0.4967151	13.91056		
Chloromethane	1.126771	3.429468	SPCC (0.1)	
Vinyl chloride	1.179116	3.32457	CCC (20)	
Bromomethane	0.7400397	2.267457		
Chloroethane	1.037875	5.077389		
Trichlorofluoromethane	0.8967936	4.06701		
Freon 113	0.7829055	8.411971		
1,1-Dichloroethene	1.080892	8.590248	CCC (20)	
Carbon disulfide	1.698673	7.889689		
Methyl Acetate	0.2575179	9.127351		
Methylene Chloride	1.263766	54.75354		
trans-1,2-Dichloroethene	0.9407191	6.744489		
1,1-Dichloroethane	1.192587	6.775722	SPCC (0.1)	
Vinyl acetate	0.8345188	5.816735		
2,2-Dichloropropane	0.7727925	5.27732		
2-Butanone	0.1732374	8.217978		
cis-1,2-Dichloroethene	0.8724462	6.165484		
Chloroform	0.8278822	5.654662	CCC (20)	
Bromochloromethane	0.2997968	5.968461		
Cyclohexane	1.449462	9.49653		
1,1,1-Trichloroethane	0.6357207	5.828603		
t-Butyl alcohol	2.521052E-02	6.475355		

Appendix C

Validator Qualifications

KENNETH R. APPLIN
Geochemist/Data Validator

Ph.D., Geochemistry and Mineralogy, The Pennsylvania State University

M.S., Geochemistry and Mineralogy, The Pennsylvania State University

B.A., Geological Sciences, SUNY at Geneseo, NY

Dr. Applin has over 35 years of experience working with the geochemistry of natural waters. His prior experience includes working as an Assistant Professor of Geology at the University of Missouri-Columbia and as Chief Hydrogeologist and Geochemist with a leading engineering firm in Rochester, NY. In 1993, he established KR Applin and Associates, a small consulting business that focuses on the geochemistry of natural waters, especially as applied to problems involving the contamination of groundwater and surface water.

Dr. Applin is also an experienced analytical data validator and has provided data validation services since 1994 to a variety of clients performing brownfield cleanup projects, hazardous waste remediation, groundwater monitoring at solid waste facilities, and other projects requiring third-party data validation. Dr. Applin has several years of hands-on experience with the laboratory analysis of natural waters and has successfully completed the USEPA Region II certification courses for performing inorganic and organic analytical data validation.

MICHAEL K. PERRY
Chemist/Data Validator

B.S. Chemistry, Georgia State University, Atlanta, GA

A.A.S., Chemical Technology, Alfred State College, Alfred, NY

Mr. Perry has over 30 years of experience in the analytical laboratory business. During his early career, he spent several years as a laboratory analyst performing the analysis of soil, water, and air samples for inorganic and organic chemical parameters. During his last 20 years in the environmental laboratory business, he managed and directed two major analytical laboratories in Rochester, NY. His management responsibilities included oversight of the daily operations of the lab, staff training and supervision, the selection, purchase, and maintenance of analytical instruments, the introduction of new laboratory methods, analytical quality assurance and quality control, data acquisition and management, and other business-related activities.

Mr. Perry has an extensive working knowledge of the methods and procedures used for sampling and analyzing both inorganic and organic analytes in soil, water, and air. He is an accomplished laboratory chemist and is familiar with the analytical methods and procedures established under the USEPA Contract Laboratory Protocols (CLP), the NYSDEC Analytical Services Protocols (ASP), and the NYSDOH Environmental Laboratory Approval Program (ELAP).

DATA USABILITY SUMMARY REPORT (DUSR)

**Former G & C Services
255 East 138th Street
Bronx, NY
NYSDEC BCP # C203057**

SDG: 1502312
3 Soil Samples

Prepared for:

**Brinkerhoff Environmental Services, Inc.
1805 Atlantic Avenue
Manasquan, NJ 08736**

October 2016

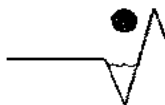


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REVIEWER'S NARRATIVE
SDG 1502312

The data associated with this Sample Delivery Group (SDG) 1502312, analyzed by Accredited Analytical Resources, LLC, Carteret, NJ have been reviewed in accordance with assessment criteria provided by the New York State Department of Environmental Conservation following the review procedures provided in the USEPA Functional Guidelines for evaluating organic and inorganic data.

All analytical results reported by the laboratory are considered valid and acceptable except results that have been qualified as rejected, "R". Results qualified as estimated "J", or as non-detects, "U", are considered usable for the purpose of evaluating water and/or soil quality. However, these qualifiers indicate that the accuracy and/or precision of the analytical result is questionable. A summary of all data that have been qualified and the reasons for qualification are provided in the following data usability summary report (DUSR).

Two facts should be noted by all data users. First, the "R" qualifier means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the analyte is present or not. Values qualified with an "R" should not appear on the final data tables because they cannot be relied upon, even as the last resort. Second, no analyte concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error.

Reviewer's Signature:  Date: 10/25/16
Michael K. Perry
Chemist

1.0 SUMMARY

SITE: 255 East 138th Street.
Bronx , NY

SAMPLING DATE: December 22, 2015

SAMPLE TYPE: 3 soil samples

LABORATORY: Accredited Analytical Resources, LLC.
Carteret, NJ

SDG No.: 1502312

2.0 INTRODUCTION

This data usability summary report (DUSR) was prepared in accordance with guidance provided by the New York State Department of Environmental Conservation (NYSDEC). The DUSR is based on a review and evaluation of the laboratory analytical data package. Specifically, the NYSDEC guidance recommends review and evaluation of the following elements of the data package:

- Completeness of the data package as defined under the requirements of the NYSDEC Analytical Services Protocols (ASP) Category B or the United States Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) deliverables,
- Compliance with established analyte holding times,
- Adherence to quality control (QC) limits and specifications for blanks, instrument tuning and calibration, surrogate recoveries, spike recoveries, laboratory duplicate analyses, and other QC criteria,
- Adherence to established analytical protocols,
- Conformance of data summary sheets with raw analytical data, and
- Use of correct data qualifiers.

Data deficiencies, analytical protocol deviations, and quality control problems identified using the review criteria above and their effect on the analytical results are discussed in this report.

3.0 SAMPLE AND ANALYSIS SUMMARY

The data package consists of analytical results for three soil samples collected on December 22, 2015. These samples were analyzed for Hexavalent Chromium and Trivalent Chromium.

All laboratory analyses were performed by Accredited Analytical Resources, LLC., Carteret, NJ and analyzed as SDG 1502312. The analytical results were provided in NYSDEC ASP Category B format, which includes all raw analytical data and laboratory QC data.

4.0 GUIDANCE DOCUMENTS AND DATA REVIEW CRITERIA

The guidance documents used for reviewing laboratory quality control (QC) data and assigning data qualifiers (flags) to analytical results are listed in Table 4-1. The QC limits established in the documents applicable to this data review were used to assess the quality of the analytical results. In some cases, however, QC limits established internally by the laboratory were taken into account to determine data quality.

The QC criteria considered for assessing the usability of the reported analytical results provided for each analyte type (i.e. VOCs, SVOCs, metals, etc.) are listed in Table 4-2. These criteria may vary with the analytical method utilized by the laboratory. These criteria comply with the guidance recommended in Section 2.0 above.

5.0 DATA VALIDATION QUALIFIERS

The letter qualifiers (flags) used to define data usability are described briefly below. These letters are assigned by the data validator to analytical results having questionable accuracy and/or precision as determined by reviewing the laboratory QC data associated with the analytical results.

TABLE 4-1**DATA VALIDATION GUIDANCE DOCUMENTS**

Analyte Type	Validation Guidance
VOCs	USEPA, 2008, Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry; SW-846 Method 8260B; SOP # HW-24, Rev. 2. USEPA, 2008, Statement of Work for Organic Analysis of Low/Medium Concentration of Volatile Organic Compounds SOM01.2; SOP HW-33, Rev. 2.
SVOCs	USEPA, 2007, Statement of Work for Organic Analysis of Low/Medium Concentration of Semivolatile Organic Compounds SOM01.2; SOP HW-35, Rev. 1.
Pesticides/PCBs	USEPA, 2006, CLP Organics Data Review and Preliminary Review (CLP/SOW OLMO 4.3); SOP # HW-6, Rev. 14, Part C.
Metals	USEPA, 2006, Validation of Metals for the Contract Laboratory Program (CLP) based on SOW ILMO 5.3 (SOP Revision 13), SOP # HW-2, Rev. 13.
Gen Chemistry	NYSDEC, 2005, Analytical Services Protocols (ASP)
VOCs (Ambient air)	USEPA, 2006, Validating Air Samples, Volatile Organic Analysis of Ambient Air in Canister by Method TO-15; SOP # HW-31, Rev. 4.

TABLE 4-2

**QUALITY CONTROL CRITERIA USED FOR VALIDATING
LABORATORY ANALYTICAL DATA**

VOCs	SVOCs	Pesticides/PCBs	Metals	Gen Chemistry	Method TO-15
Completeness of Pkg Sample Condition Holding Time System Monitoring Compounds Lab Control Sample Matrix Spikes Blanks Instrument Tuning Internal Standards Initial Calibration Continuing Calibration Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Time Surrogate Recoveries Lab Control Sample Matrix Spikes Blanks Instrument Tuning Internal Standards Initial Calibration Continuing Calibration Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Time Surrogate Recoveries Matrix Spikes Blanks Instrument Calibration & Verification Analyte ID Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Time Initial/Continuing Calibration CRDL Standards Blanks Interference Check Sample Spike Recoveries Lab Duplicate Lab Control Sample ICP Serial Dilutions Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Times Calibration Lab Control Samples Blanks Spike Recoveries Lab Duplicates	Completeness of Pkg Sample Condition Holding Time Canister Certification Lab Control Sample Instrument Tuning Blanks Initial Calibration & System Performance Daily Calibration Field Duplicate

The laboratory may also use various letters and symbols to flag analytical results generated when QC limits were exceeded. The meanings of these flags may differ from those used by the independent data validator. Those used by the laboratory are provided with the analytical results.

NOTE: The assignment of data qualifiers by the data reviewer (validator) to laboratory analytical results should not necessarily be interpreted by the data user as a measure of laboratory ability or proficiency. Rather, the qualifiers are intended to provide a measure of data accuracy and precision to the data user, which, for example, may provide a level of confidence in determining whether or not standards or cleanup objectives have been met.

- U** The analyte was analyzed for but was not detected at or above the sample quantitation limit.
- J** The analyte was positively identified; the associated numerical value is the *approximate* concentration of the analyte in the sample. (The magnitude of any \pm value associated with the result is not determined by data validation).
- UJ** The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is *approximate* and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R** The sample result is rejected (i.e., is unusable) due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
- N** The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
- JN** The analyte is considered to be "presumptively present." The associated numerical value represents its *approximate* concentration.

The validated analytical results are attached to this report. Validation qualifiers (flags) are indicated using red ink. Data sheets having qualified data are signed and dated by the data reviewer.

6.0 RESULTS OF THE DATA REVIEW

The results of the data review are summarized in Tables 6-1 through 6-2. The tables list the samples where QC criteria were found to exceed acceptable limits and the actions taken to qualify the associated analytical results.

7.0 TOTAL USABLE DATA

For SDG 1502312, three samples were analyzed and results were reported for 6 analytes. Even though some results were flagged with a "J", all results (100 %) are considered usable. See the summary table for the associated QC reasons.

Table 6-1 Total Chromium

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

Table 6-2 Hexavalent Chromium

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
All samples	CR+6	UJ non-detect and J detects	MS < 75 %	All samples non-detect

ACRONYMS

BSP	Blank Spike
CCAL	Continuing Calibration
CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification
CRDL	Contract Required Detection Limit
CRQL	Contract Required Quantitation Limit
%D	Percent Difference
ICAL	Initial Calibration
ICB	Initial Calibration Blank
IS	Internal Standard
LCS	Laboratory Control Sample
MS/MSD	Matrix Spike/Matrix Spike Duplicate
QA	Quality Assurance
QC	Quality Control
%R	Percent recovery
RPD	Relative Percent Difference
%RSD	Percent Relative Standard Deviation
TAL	Target Analyte List (metals)
TCL	Target Compound List (organics)

Appendix A

*Validated
Analytical
Results*



Accredited Analytical Resources, LLC.

ANALYTICAL REPORT

for

BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.

Manasquan, NJ 08736

Project: 255 East 138th Street, Bronx, NY

AAR Work Order: 1502312

<u>Client Sample ID:</u>	<u>Lab Sample ID:</u>
Cr-1	1502312-01
Cr-2	1502312-02
Cr-3	1502312-03

This data has been reviewed and accepted by:

Daniel Miguel
Technical Director

01/08/2016

New Jersey Certification Number: 12007
New York Certification Number: 11109
Pennsylvania Certification Number: 68-02799

This report shall not be reproduced, except in its entirety, without the written consent of Accredited Analytical Resources, LLC.
The test results included in this report relate only to the samples analyzed.



Case Narrative

Conformance / Non-Conformance Summary

Accredited Analytical Resources, LLC received 3 sample(s) from BRINKERHOFF ENVIRONMENTAL (Project: 255 East 138th Street, Bronx, NY) on 12/22/2015 1:50:00 PM.

All analyses were performed within the required holding time.

Except for the parameters tested AAR makes no representation as to the fitness or quality of the sample (s) taken.

The laboratory has reviewed the quality assurance and quality control measurements for the sample analyses.

Daniel Miguel
Technical Director

Methodology Summary

Total Metals by EPA Method SW846 6010:

NJ 6010B
NY 6010C

Wet Chemistry:

Percent Solids by SM 2540 G
Hexavalent Chromium by 3060A/7196A



Accredited Analytical Resources, LLC.
 20 PERSHING AVE, CARTERET, NJ 07008
 Tel. 732-969-6112 FAX 732-541-1383
 WEB: WWW.ACCREDITEDANALYTICAL.COM

CHAIN OF CUSTODY FORM

STATE AGENCY (CIRCLE ONE)	NJ (NY) PA
PROJECT NAME:	255 East 158 th Street, Bronx, NY
CONTACT:	Doug Ham / Sean Harrison
OFFICE PHONE #	732-223-2225
OFFICE FAX #	732-223-3666
INITIAL RESULTS TO:	DH/SH
EMAIL FOR INVOICE:	dham@brinkenv.com

CLIENT NAME:	Brinkerhoff Environmental
ADDRESS:	1805 Atlantic Ave
CITY:	Manassquan
STATE:	New Jersey ZIP: 08736

AAR QUOTE #		ANALYSIS	
AAR WORK ORDER #	1502312	PRES. CODE	
P.O. #	106R188	CONT. CODE	

COLLECTION INFORMATION												
CUSTOMER SAMPLE # / ID	DATE / TIME SAMPLED	MATRIX CODE	DEPTH	# OF CONTAINERS	GRAB (G)	COMP (C)					AAR SAMPLE #	
Cr-1	12/22/15 11:38	S		1	G		X	X				-01
Cr-2	12/22/15 11:42	S		1	G		X	X				-02
Cr-3	12/22/15 11:46	S		1	G		X	X				-03

Hex (hexen) Tel (thruin)

MATRIX CODES: S = SOIL A = AQUEOUS GW = GROUND WATER WW = WASTE WATER SW = SURFACE WATER P = POTABLE WATER O = OIL K = SOLID X = OTHER
CONTAINER TYPE CODES: G = GLASS P = PLASTIC E = ENCORE PRESERVATIVES CODES: 1 = HCL 2 = HNO ₃ 3 = H ₂ SO ₄ 4 = NaOH 5 = OTHER
TURNAROUND TIME: (CIRCLE ONE) STANDARD 5 DAY 72 HRS. 48 HRS. 24 HRS. OTHER
REPORT TYPE: RESULTS ONLY REDUCED FULL X EDD EXCEL SPREADSHEET

COMMENTS: Please provide NYSDEC Category B data deliverable. Hard copy report due 1/11/2016. COOLER TEMP: 4°C

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: Sean Harrison SIGN: *[Signature]*

SIGN BELOW WHEN DELIVERING SAMPLES. EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING CARRIER DELIVERY, CUSTODY MUST BE DOCUMENTED.

RELINQUISHED BY: Print Name: Sean Harrison Signature: <i>[Signature]</i> Agent of: Brinkerhoff Date Received: 12/22/15 Time: 3:50	RECEIVED BY: Print Name: K. MUNIZ Signature: <i>[Signature]</i> Agent of: AAR	RELINQUISHED BY:	RECEIVED BY:
------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------	-------------------------	---------------------

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
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ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: Cr-1
Lab Sample ID: 1502312-01
Project: 266 East 138th Street, Bronx, NY
Work Order: 1502312

Date Sampled: 12/22/15 11:38	Matrix: Soil
Percent Solids: 81.20	File ID: 122815A-023

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
7440-47-3	Chromium	9.75	2.46	2.46	1		12/24/15 08:18	EPA 3050B	12/28/15 11:42 LIT	EPA 6010

* Values outside of QC limits

ND - Indicates compound analyzed for but not detected

U - Indicates compound analyzed for but not detected

J - Indicates estimated value for TICs and all results when detected below the RL

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.

MDL - Minimum detection limit

RL - Reporting limit



ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: Cr-2
Lab Sample ID: 1502312-02
Project: 266 East 138th Street, Bronx, NY
Work Order: 1502312

Date Sampled:	12/22/15 11:42	Matrix:	Soil
Percent Solids:	81.20	File ID:	122815A-024

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
7440-47-3	Chromium	13.1	2.46	2.46	1		12/24/15 08:18	EPA 3050B	12/28/15 11:47 LIT	EPA 6010

* Values outside of QC limits

ND - Indicates compound analyzed for but not detected

U - Indicates compound analyzed for but not detected

J - Indicates estimated value for TICs and all results when detected below the RL

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.

MDL - Minimum detection limit

RL - Reporting limit



ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: Cr-3
Lab Sample ID: 1502312-03
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502312

Date Sampled:	12/22/15 11:46	Matrix:	Soil
Percent Solids:	80.00	File ID:	122815A-025

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
7440-47-3	Chromium	9.55	2.50	2.50	1		12/24/15 08:18	EPA 3050B	12/28/15 11:52 LJT	EPA 6010

* Values outside of QC limits

ND - Indicates compound analyzed for but not detected

U - Indicates compound analyzed for but not detected

J - Indicates estimated value for TICs and all results when detected below the RL

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.

MDL - Minimum detection limit

RL - Reporting limit



ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: Cr-1
Lab Sample ID: 1502312-01
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502312

Date Sampled: 12/22/15 11:38	Matrix: Soil
Percent Solids: 81.20	File ID:

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
16065-83-1	Trivalent Chromium	9.75	2.00	2.00	1		12/28/15 08:58	[CALC]	12/29/15 16:01 HTW	[CALC]
1854-02-99	Chromium, Hexava	ND <i>UJ</i>	2.46	2.46	1	U	12/28/15 08:58	SW 846 3060A	12/29/15 16:01 HTW	EPA 7196A

CAS NO.	Analyte	Concentration (%)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
NA	Percent Solids	81.2	0.100	0.100	1		12/23/15 08:48	Percent Solids	12/23/15 14:44 RMK	SM 2540 G

* Values outside of QC limits
 ND - Indicates compound analyzed for but not detected
 U - Indicates compound analyzed for but not detected
 J - Indicates estimated value for TICs and all results when detected below the RL
 B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard
 D - Indicates result is based on a dilution
 P - Greater than 25% diff. between 2 GC columns.
 MDL - Minimum detection limit
 RL - Reporting limit

MSD 10/25/16



ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: Cr-2
Lab Sample ID: 1502312-02
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502312

Date Sampled:	12/22/15 11:42	Matrix:	Soil
Percent Solids:	81.20	File ID:	

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
16065-83-1	Trivalent Chromium	13.1	2.00	2.00	1		12/28/15 08:56	[CALC]	12/29/15 16:01 HTW	[CALC]
1854-02-99	Chromium, Hexava	ND <i>WJ</i>	2.46	2.46	1	U	12/28/15 08:56	SW 846 3060A	12/29/15 16:01 HTW	EPA 7196A

CAS NO.	Analyte	Concentration (%)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
NA	Percent Solids	81.2	0.100	0.100	1		12/23/15 08:48	Percent Solids	12/23/15 14:44 RMK	SM 2540 G

* Values outside of QC limits
 ND - Indicates compound analyzed for but not detected
 U - Indicates compound analyzed for but not detected
 J - Indicates estimated value for TICs and all results when detected below the RL
 B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard
 D - Indicates result is based on a dilution
 P - Greater than 26% diff. between 2 GC columns.
 MDL - Minimum detection limit
 RL - Reporting limit

WJW 10/25/16



ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: Cr-3
Lab Sample ID: 1502312-03
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502312

Date Sampled:	12/22/15 11:46	Matrix:	Soil
Percent Solids:	80.00	File ID:	

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
16065-83-1	Trivalent Chromium	9.55	2.00	2.00	1		12/28/15 08:56	[CALC]	12/29/15 16:01 HTW	[CALC]
1854-02-99	Chromium, Hexava	ND <i>us</i>	2.50	2.50	1	U	12/28/15 08:56	SW 846 3060A	12/29/15 16:01 HTW	EPA 7196A

CAS NO.	Analyte	Concentration (%)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
NA	Percent Solids	80.0	0.100	0.100	1		12/23/15 08:48	Percent Solids	12/23/15 14:44 RMK	SM 2540 G

* Values outside of QC limits

ND - Indicates compound analyzed for but not detected

U - Indicates compound analyzed for but not detected

J - Indicates estimated value for TICs and all results when detected below the RL

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.

MDL - Minimum detection limit

RL - Reporting limit

mvp 10/25/16

Appendix B

***Laboratory
QC
Documentation***



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Cr-1

Client: BRINKERHOFF ENVIRONMENTAL
 Work Order: 1502312
 Project: 255 East 138th Street, Bronx, NY

Matrix:	Solid	Analysis:	EPA 7196A
Batch:	B5L2804	Preparation:	SW 846 3060A
% Solids:	81.20	Laboratory ID:	B5L2804-MS1
		Client Sample ID:	1502312-01

ANALYTE	SPIKE ADDED (mg/kg dry)	SAMPLE CONCENTRATION (mg/kg dry)	MS CONCENTRATION (mg/kg dry)	MS % REC.	QC LIMITS REC.
Chromium, Hexavalent	49.3	ND	13.7	* 27.8	75 - 125

Appendix C

Validator Qualifications

KENNETH R. APPLIN

Geochemist/Data Validator

Ph.D., Geochemistry and Mineralogy, The Pennsylvania State University

M.S., Geochemistry and Mineralogy, The Pennsylvania State University

B.A., Geological Sciences, SUNY at Geneseo, NY

Dr. Applin has over 35 years of experience working with the geochemistry of natural waters. His prior experience includes working as an Assistant Professor of Geology at the University of Missouri-Columbia and as Chief Hydrogeologist and Geochemist with a leading engineering firm in Rochester, NY. In 1993, he established KR Applin and Associates, a small consulting business that focuses on the geochemistry of natural waters, especially as applied to problems involving the contamination of groundwater and surface water.

Dr. Applin is also an experienced analytical data validator and has provided data validation services since 1994 to a variety of clients performing brownfield cleanup projects, hazardous waste remediation, groundwater monitoring at solid waste facilities, and other projects requiring third-party data validation. Dr. Applin has several years of hands-on experience with the laboratory analysis of natural waters and has successfully completed the USEPA Region II certification courses for performing inorganic and organic analytical data validation.

MICHAEL K. PERRY

Chemist/Data Validator

B.S. Chemistry, Georgia State University, Atlanta, GA

A.A.S., Chemical Technology, Alfred State College, Alfred, NY

Mr. Perry has over 30 years of experience in the analytical laboratory business. During his early career, he spent several years as a laboratory analyst performing the analysis of soil, water, and air samples for inorganic and organic chemical parameters. During his last 20 years in the environmental laboratory business, he managed and directed two major analytical laboratories in Rochester, NY. His management responsibilities included oversight of the daily operations of the lab, staff training and supervision, the selection, purchase, and maintenance of analytical instruments, the introduction of new laboratory methods, analytical quality assurance and quality control, data acquisition and management, and other business-related activities.

Mr. Perry has an extensive working knowledge of the methods and procedures used for sampling and analyzing both inorganic and organic analytes in soil, water, and air. He is an accomplished laboratory chemist and is familiar with the analytical methods and procedures established under the USEPA Contract Laboratory Protocols (CLP), the NYSDEC Analytical Services Protocols (ASP), and the NYSDOH Environmental Laboratory Approval Program (ELAP).

DATA USABILITY SUMMARY REPORT (DUSR)

**Former G & C Services
255 East 138th Street
Bronx, NY
NYSDEC BCP # C203057**

SDG: 1502333
1 Soil Sample

Prepared for:

**Brinkerhoff Environmental Services, Inc.
1805 Atlantic Avenue
Manasquan, NJ 08736**

October 2016



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Summaries of Validated Results

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Table 6-5	Metals
Table 6-6	Wet Chemistry

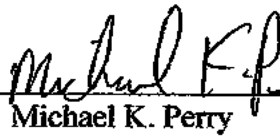
REVIEWER'S NARRATIVE
SDG 1502333

The data associated with this Sample Delivery Group (SDG) 1502333, analyzed by Accredited Analytical Resources, LLC, Carteret, NJ have been reviewed in accordance with assessment criteria provided by the New York State Department of Environmental Conservation following the review procedures provided in the USEPA Functional Guidelines for evaluating organic and inorganic data.

All analytical results reported by the laboratory are considered valid and acceptable except results that have been qualified as rejected, "R". Results qualified as estimated "J", or as non-detects, "U", are considered usable for the purpose of evaluating water and/or soil quality. However, these qualifiers indicate that the accuracy and/or precision of the analytical result is questionable. A summary of all data that have been qualified and the reasons for qualification are provided in the following data usability summary report (DUSR).

Two facts should be noted by all data users. First, the "R" qualifier means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the analyte is present or not. Values qualified with an "R" should not appear on the final data tables because they cannot be relied upon, even as the last resort. Second, no analyte concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error.

Reviewer's Signature: _____


Michael K. Perry
Chemist

Date: _____

10/25/16

1.0 SUMMARY

SITE: 255 East 138th Street.
Bronx, NY

SAMPLING DATE: December 28, 2015

SAMPLE TYPE: 1 soil sample

LABORATORY: Accredited Analytical Resources, LLC.
Carteret, NJ

SDG No.: 1502333

2.0 INTRODUCTION

This data usability summary report (DUSR) was prepared in accordance with guidance provided by the New York State Department of Environmental Conservation (NYSDEC). The DUSR is based on a review and evaluation of the laboratory analytical data package. Specifically, the NYSDEC guidance recommends review and evaluation of the following elements of the data package:

- Completeness of the data package as defined under the requirements of the NYSDEC Analytical Services Protocols (ASP) Category B or the United States Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) deliverables,
- Compliance with established analyte holding times,
- Adherence to quality control (QC) limits and specifications for blanks, instrument tuning and calibration, surrogate recoveries, spike recoveries, laboratory duplicate analyses, and other QC criteria,
- Adherence to established analytical protocols,
- Conformance of data summary sheets with raw analytical data, and
- Use of correct data qualifiers.

Data deficiencies, analytical protocol deviations, and quality control problems identified using the review criteria above and their effect on the analytical results are discussed in this report.

3.0 SAMPLE AND ANALYSIS SUMMARY

The data package consists of analytical results for one soil sample collected on December 28, 2015. These samples were analyzed for volatile organic compounds, semi-volatile organic compounds, pesticides, polychlorinated biphenyls (PCBs), TAL metals, hexavalent chromium, and total cyanide.

All laboratory analyses were performed by Accredited Analytical Resources, LLC., Carteret, NJ and analyzed as SDG 1502333. The analytical results were provided in NYSDEC ASP Category B format, which includes all raw analytical data and laboratory QC data.

4.0 GUIDANCE DOCUMENTS AND DATA REVIEW CRITERIA

The guidance documents used for reviewing laboratory quality control (QC) data and assigning data qualifiers (flags) to analytical results are listed in Table 4-1. The QC limits established in the documents applicable to this data review were used to assess the quality of the analytical results. In some cases, however, QC limits established internally by the laboratory were taken into account to determine data quality.

The QC criteria considered for assessing the usability of the reported analytical results provided for each analyte type (i.e. VOCs, SVOCs, metals, etc.) are listed in Table 4-2. These criteria may vary with the analytical method utilized by the laboratory. These criteria comply with the guidance recommended in Section 2.0 above.

5.0 DATA VALIDATION QUALIFIERS

The letter qualifiers (flags) used to define data usability are described briefly below. These letters are assigned by the data validator to analytical results having questionable accuracy and/or precision as determined by reviewing the laboratory QC data associated with the analytical results.

TABLE 4-1**DATA VALIDATION GUIDANCE DOCUMENTS**

Analyte Type	Validation Guidance
VOCs	USEPA, 2008, Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry; SW-846 Method 8260B; SOP # HW-24, Rev. 2. USEPA, 2008, Statement of Work for Organic Analysis of Low/Medium Concentration of Volatile Organic Compounds SOM01.2; SOP HW-33, Rev. 2.
SVOCs	USEPA, 2007, Statement of Work for Organic Analysis of Low/Medium Concentration of Semivolatile Organic Compounds SOM01.2; SOP HW-35, Rev. 1.
Pesticides/PCBs	USEPA, 2006, CLP Organics Data Review and Preliminary Review (CLP/SOW OLMO 4.3); SOP # HW-6, Rev. 14, Part C.
Metals	USEPA, 2006, Validation of Metals for the Contract Laboratory Program (CLP) based on SOW ILMO 5.3 (SOP Revision 13), SOP # HW-2, Rev. 13.
Gen Chemistry	NYSDEC, 2005, Analytical Services Protocols (ASP)
VOCs (Ambient air)	USEPA, 2006, Validating Air Samples, Volatile Organic Analysis of Ambient Air in Canister by Method TO-15; SOP # HW-31, Rev. 4.

TABLE 4-2

**QUALITY CONTROL CRITERIA USED FOR VALIDATING
LABORATORY ANALYTICAL DATA**

VOCs	SVOCs	Pesticides/PCBs	Metals	Gen Chemistry	Method TO-15
Completeness of Pkg Sample Condition Holding Time System Monitoring Compounds Lab Control Sample Matrix Spikes Blanks Instrument Tuning Internal Standards Initial Calibration Continuing Calibration Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Time Surrogate Recoveries Lab Control Sample Matrix Spikes Blanks Instrument Tuning Internal Standards Initial Calibration Continuing Calibration Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Time Surrogate Recoveries Matrix Spikes Blanks Instrument Calibration & Verification Analyte ID Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Time Initial/Continuing Calibration CRDL Standards Blanks Interference Check Sample Spike Recoveries Lab Duplicate Lab Control Sample ICP Serial Dilutions Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Times Calibration Lab Control Samples Blanks Spike Recoveries Lab Duplicates	Completeness of Pkg Sample Condition Holding Time Canister Certification Lab Control Sample Instrument Tuning Blanks Initial Calibration & System Performance Daily Calibration Field Duplicate

The laboratory may also use various letters and symbols to flag analytical results generated when QC limits were exceeded. The meanings of these flags may differ from those used by the independent data validator. Those used by the laboratory are provided with the analytical results.

NOTE: The assignment of data qualifiers by the data reviewer (validator) to laboratory analytical results should not necessarily be interpreted by the data user as a measure of laboratory ability or proficiency. Rather, the qualifiers are intended to provide a measure of data accuracy and precision to the data user, which, for example, may provide a level of confidence in determining whether or not standards or cleanup objectives have been met.

- U** The analyte was analyzed for but was not detected at or above the sample quantitation limit.
- J** The analyte was positively identified; the associated numerical value is the *approximate* concentration of the analyte in the sample. (The magnitude of any \pm value associated with the result is not determined by data validation).
- UJ** The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is *approximate* and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R** The sample result is rejected (i.e., is unusable) due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
- N** The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
- JN** The analyte is considered to be "presumptively present." The associated numerical value represents its *approximate* concentration.

The validated analytical results are attached to this report. Validation qualifiers (flags) are indicated using red ink. Data sheets having qualified data are signed and dated by the data reviewer.

6.0 RESULTS OF THE DATA REVIEW

The results of the data review are summarized in Tables 6-1 through 6-6. The tables list the samples where QC criteria were found to exceed acceptable limits and the actions taken to qualify the associated analytical results.

7.0 TOTAL USABLE DATA

For SDG 1502333, one sample was analyzed and results were reported for 191 analytes. Even though some results were flagged with a "F", all results (100 %) are considered usable. See the summary table for the associated QC reasons.

Table 6-1 **VOCs**

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
EP-19	Acetone Methylene Chloride	J detects	ICV RPD > 20 %	Sample detects are estimated
EP-19	Acetone Methylene Chloride	UJ non-detects J detects	CCV % D > 20 %	Samples are estimated

Table 6-2 **SVOCs**

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
EP-19	3-Nitroaniline 4-Chloroaniline	"UJ"	LCS < 70 % QC limit	All samples non-detect

Table 6-3 **Pesticides**

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

Table 6-4 **PCBs**

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

Table 6-5 **TAL Metals**

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
EP-19	Zinc	J detect	Serial dilution > 10 %	Data is estimated

Table 6-6 **Wet Chemistry**

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

ACRONYMS

BSP	Blank Spike
CCAL	Continuing Calibration
CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification
CRDL	Contract Required Detection Limit
CRQL	Contract Required Quantitation Limit
%D	Percent Difference
ICAL	Initial Calibration
ICB	Initial Calibration Blank
IS	Internal Standard
LCS	Laboratory Control Sample
MS/MSD	Matrix Spike/Matrix Spike Duplicate
QA	Quality Assurance
QC	Quality Control
%R	Percent recovery
RPD	Relative Percent Difference
%RSD	Percent Relative Standard Deviation
TAL	Target Analyte List (metals)
TCL	Target Compound List (organics)

Appendix A

*Validated
Analytical
Results*



Accredited Analytical Resources, LLC.

ANALYTICAL REPORT

for

BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.

Manasquan, NJ 08736

Project: 255 East 138th Street, Bronx, NY

AAR Work Order: 1502333

Client Sample ID: EP-19	Lab Sample ID: 1502333-01
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This data has been reviewed and accepted by:

Daniel Miguel
Technical Director

01/26/2016

New Jersey Certification Number: 12007
New York Certification Number: 11109
Pennsylvania Certification Number: 68-02799

This report shall not be reproduced, except in its entirety, without the written consent of Accredited Analytical Resources, LLC.
The test results included in this report relate only to the samples analyzed.



Case Narrative

Conformance / Non-Conformance Summary

Accredited Analytical Resources, LLC received 1 sample(s) from BRINKERHOFF ENVIRONMENTAL (Project: 255 East 138th Street, Bronx, NY) on 12/28/2015 12:57:00 PM.

All analyses were performed within the required holding time.

In the Volatile Organic analyses, B5L2811-MS1/MSD1 had compounds recovered outside acceptance criteria due to matrix interference, the LCS was recovered within acceptance limits for all compounds; therefore, no further action required.

In the BNA analyses, the laboratory control sample (LCS) for Batch B5L3003 recovered outside control limits for multiple analytes. These analytes were recovered within the house limits; therefore, the data has been reported.

In the BNA analyses, the MS/MSD for Batch B5L3003 had compounds recovered outside acceptance criteria due to matrix interference, the LCS was recovered within acceptance limits for affected compounds; therefore, no further action required.

In the Pesticide analyses, B5L3001-MS1/MSD1 had compounds recovered outside acceptance criteria due to matrix interference, the LCS was recovered within acceptance limits for all compounds; therefore, no further action required.

In the Metals analysis the recoveries of the MS/MSD were outside of acceptance criteria. The QC sample had concentrations too high to be able to determine a spike recovery. The LCS was within acceptance criteria for those metals out in the MS/MSD. The results are included in this data package.

Except for the parameters tested AAR makes no representation as to the fitness or quality of the sample (s) taken.

"The laboratory has reviewed the quality assurance and quality control measurements for the sample analyses.

Daniel Miguel
Technical Director

Accredited Analytical Resources, LLC.

20 PERSHING AVE, CARTERET, NJ 07008
 Tel. 732-969-6112 FAX 732-541-1383
 WEB: WWW.ACCREDITEDANALYTICAL.COM

CHAIN OF CUSTODY FORM

CLIENT NAME: Brinkerhoff Environmental Services
 ADDRESS: 1805 Atlantic Avenue
 CITY: Monasquan
 STATE: NJ ZIP: 08736

STATE AGENCY (CIRCLE ONE): NJ (NY) PA
 PROJECT NAME: 255th Street, Bronx, NY
 CONTACT: Doug Hamm + Sean Harrison
 OFFICE PHONE #: 732-223-2225
 OFFICE FAX #: 732-223-3666
 INITIAL RESULTS TO: Doug Hamm + Sean Harrison
 EMAIL FOR INVOICE: dham@bnk.ny + shh@bnk.ny

AAR QUOTE #: _____
 AAR WORK ORDER #: 1502333
 P.O. #: 10BR188

COLLECTION INFORMATION						ANALYSIS										AAR SAMPLE #				
CUSTOMER SAMPLE # / ID	DATE / TIME SAMPLED	MATRIX CODE	DEPTH	# OF CONTAINERS	CRAB (G) COMP (C)	PRES. CODE	CONT. CODE	TAL FULL	TCL FULL	Hex Chrom	Tri Chrom									
EP-19	12/15/15 9:05	S	5	4	G		B G G G	X	X	X	X									-01

MATRIX CODES: S=SOL A=AQUEOUS GW=GROUND WATER WW=WASTE WATER SW=SURFACE WATER P=POTABLE WATER O=OIL K=SOLID X=OTHER

CONTAINER TYPE CODES: G=GLASS P=PLASTIC E=ENCORE PRESERVATIVES CODES: 1=HCL 2=HNO₃ 3=H₂SO₄ 4=NaOH 5=OTHER

TURNAROUND TIME: (CIRCLE ONE) STANDARD 1 DAY 72 HRS. 48 HRS. 24 HRS. OTHER _____
 (IF BLANK STANDARD WILL APPLY)

REPORT TYPE: RESULTS ONLY _____ REDUCED _____ FULL X EDD _____ EXCEL SPREADSHEET _____

COMMENTS: Category B data deliverable. Hard copy by January 27th 2015
 NYSDDEC COOLER TEMP: 4c

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: Monica Norton SIGN: Monica Norton

SIGN BELOW WHEN DELIVERING SAMPLES. EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY, CUSTODY MUST BE DOCUMENTED.

RELINQUISHED BY:		RECEIVED BY:		RELINQUISHED BY:		RECEIVED BY:	
Print Name: <u>Monica Norton</u>	Signature: <u>Monica Norton</u>	Print Name: <u>D. Miguel</u>	Signature: <u>[Signature]</u>	Print Name:	Signature:	Print Name:	Signature:
Agent of:	Date Received: <u>12/28/15</u> Time: <u>12:57</u>	Agent of: <u>AAE</u>	Date Received: / / Time:	Agent of:	Date Received: / / Time:	Agent of:	Date Received: / / Time:



ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-19
Lab Sample ID: 1502333-01
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502333

Date Sampled:	12/28/15 09:05	Prep Date:	12/28/15 18:46	Matrix:	Soil
Percent Solids:	79.00	Prep Method:	EPA 5035A	File ID:	D13602.D
Prep Batch:	B5L2811	Sequence:	S5L2808	Analyzed:	12/28/15 18:46
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
107-02-8	Acrolein	ND	10.8	18.1	U
107-13-1	Acrylonitrile	ND	3.62	18.1	U
67-64-1	Acetone	9.22 J	1.81	3.62	
75-71-8	Dichlorodifluoromethane	ND	1.81	3.62	U
74-87-3	Chloromethane	ND	1.81	3.62	U
75-01-4	Vinyl chloride	ND	1.81	3.62	U
74-83-9	Bromomethane	ND	1.81	3.62	U
75-00-3	Chloroethane	ND	1.81	3.62	U
75-69-4	Trichlorofluoromethane	ND	1.81	3.62	U
75-35-4	1,1-Dichloroethene	ND	1.81	3.62	U
75-15-0	Carbon disulfide	ND	1.81	3.62	U
75-09-2	Methylene Chloride	ND UJ	1.81	3.62	U
156-60-5	trans-1,2-Dichloroethene	ND	1.81	3.62	U
75-34-3	1,1-Dichloroethane	ND	1.81	3.62	U
108-05-4	Vinyl acetate	ND	1.81	3.62	U
590-20-7	2,2-Dichloropropane	ND	1.81	3.62	U
78-93-3	2-Butanone	ND	1.81	3.62	U
156-59-4	cis-1,2-Dichloroethene	ND	1.81	3.62	U
67-66-3	Chloroform	ND	1.81	3.62	U
74-97-5	Bromochloromethane	ND	1.81	3.62	U
71-55-6	1,1,1-Trichloroethane	ND	1.81	3.62	U
563-58-6	1,1-Dichloropropene	ND	1.81	3.62	U
56-23-5	Carbon Tetrachloride	ND	1.81	3.62	U
107-08-2	1,2-Dichloroethane	ND	1.81	3.62	U
71-43-2	Benzene	ND	1.81	3.62	U



ANALYSIS DATA SHEET
EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-19
Lab Sample ID: 1502333-01
Project: 265 East 138th Street, Bronx, NY
Work Order: 1502333

Date Sampled:	12/28/15 09:05	Prep Date:	12/28/15 18:46	Matrix:	Soil
Percent Solids:	79.00	Prep Method:	EPA 5035A	File ID:	D13602.D
Prep Batch:	B5L2811	Sequence:	SSL2808	Analyzed:	12/28/15 18:46
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
79-01-6	Trichloroethene	ND	1.81	3.62	U
78-87-5	1,2-Dichloropropane	ND	1.81	3.62	U
75-27-4	Bromodichloromethane	ND	1.81	3.62	U
74-95-3	Dibromomethane	ND	1.81	3.62	U
110-75-8	2-Chloroethyl vinyl ether	ND	1.81	3.62	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.81	3.62	U
108-88-3	Toluene	ND	1.81	3.62	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.81	3.62	U
79-00-5	1,1,2-Trichloroethane	ND	1.81	3.62	U
108-10-1	4-Methyl-2-pentanone	ND	1.81	3.62	U
106-93-4	1,2-Dibromoethane	ND	1.81	3.62	U
591-78-6	2-Hexanone	ND	1.81	3.62	U
142-28-9	1,3-Dichloropropane	ND	1.81	3.62	U
127-18-4	Tetrachloroethene	ND	1.81	3.62	U
124-48-1	Dibromochloromethane	ND	1.81	3.62	U
100-41-4	Ethylbenzene	ND	1.81	3.62	U
108-90-7	Chlorobenzene	ND	1.81	3.62	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.81	3.62	U
108-38-3/106-42	m,p-Xylenes	ND	3.62	7.23	U
95-47-6	o-Xylene	ND	3.62	7.23	U
100-42-5	Styrene	ND	1.81	7.23	U
75-25-2	Bromoform	ND	1.81	3.62	U
98-82-8	Isopropylbenzene	ND	1.81	3.62	U
79-34-5	1,1,1,2-Tetrachloroethane	ND	1.81	3.62	U
96-18-4	1,2,3-Trichloropropane	ND	1.81	3.62	U



ANALYSIS DATA SHEET
EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-19
Lab Sample ID: 1502333-01
Project: 265 East 138th Street, Bronx, NY
Work Order: 1502333

Date Sampled:	12/28/15 09:05	Prep Date:	12/28/15 18:46	Matrix:	Soil
Percent Solids:	79.00	Prep Method:	EPA 5035A	File ID:	D13602.D
Prep Batch:	B5L2811	Sequence:	SSL2808	Analyzed:	12/28/15 18:46
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
103-65-1	n-Propyl Benzene	ND	1.81	3.62	U
108-86-1	Bromobenzene	ND	1.81	3.62	U
108-67-8	1,3,5-Trimethylbenzene	ND	1.81	3.62	U
95-49-8	2-Chlorotoluene	ND	1.81	3.62	U
106-43-4	4-Chlorotoluene	ND	1.81	3.62	U
98-06-6	tert-Butylbenzene	ND	1.81	3.62	U
95-63-6	1,2,4-Trimethylbenzene	ND	1.81	3.62	U
135-98-8	sec-Butylbenzene	ND	1.81	3.62	U
99-87-6	p-Isopropyltoluene	ND	1.81	3.62	U
541-73-1	1,3-Dichlorobenzene	ND	1.81	3.62	U
106-46-7	1,4-Dichlorobenzene	ND	1.81	3.62	U
104-51-8	n-Butyl Benzene	ND	1.81	3.62	U
95-50-1	1,2-Dichlorobenzene	ND	1.81	3.62	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.81	3.62	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.81	3.62	U
87-68-3	Hexachlorobutadiene	ND	1.81	3.62	U
87-61-6	1,2,3-Trichlorobenzene	ND	1.81	3.62	U

<u>Surrogate</u>	<u>% Recovery</u>	<u>Recovery Limits</u>
1,2-Dichloroethane-d4	109%	70-130
Toluene-d8	102%	70-130
Bromofluorobenzene	87%	70-130

* Values outside of QC limits
 ND - Indicates compound analyzed for but not detected
 U - Indicates compound analyzed for but not detected
 J - Indicates estimated value for TICs and all results when detected below the RL
 B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard
 D - Indicates result is based on a dilution
 P - Greater than 25% diff. between 2 GC columns.
 MDL - Minimum detection limit
 RL - Reporting limit



ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-19
Lab Sample ID: 1502333-01
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502333

Date Sampled:	12/28/15 09:05	Prep Date:	12/30/15 07:43	Matrix:	Soil
Percent Solids:	79.00	Prep Method:	EPA 3550B GCMS	File ID:	F12441.D
Prep Batch:	B5L3003	Sequence:	S5L3003	Analyzed:	12/30/15 18:51
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
62-75-9	N-Nitrosodimethylamine	ND	42.2	211	U
108-95-2	Phenol	ND	42.2	211	U
111-44-4	bis(2-chloroethyl)ether	ND	42.2	211	U
95-57-8	2-Chlorophenol	ND	42.2	211	U
541-73-1	1,3-Dichlorobenzene	ND	42.2	211	U
106-46-7	1,4-Dichlorobenzene	ND	42.2	211	U
100-51-6	Benzyl alcohol	ND	42.2	211	U
95-50-1	1,2-Dichlorobenzene	ND	42.2	211	U
95-48-7	2-Methylphenol	ND	42.2	211	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	42.2	211	U
106-44-5	3 & 4-Methylphenol	ND	42.2	211	U
621-64-7	N-Nitroso-di-n-propylamine	ND	42.2	211	U
67-72-1	Hexachloroethane	ND	42.2	211	U
98-95-3	Nitrobenzene	ND	42.2	211	U
78-59-1	Isophorone	ND	42.2	211	U
88-75-5	2-Nitrophenol	ND	42.2	211	U
105-67-9	2,4-Dimethylphenol	ND	42.2	211	U
65-85-0	Benzoic acid	ND	105	422	U
111-91-1	bis(2-chloroethoxy)methane	ND	42.2	211	U
120-83-2	2,4-Dichlorophenol	ND	42.2	211	U
120-82-1	1,2,4-Trichlorobenzene	ND	42.2	211	U
91-20-3	Naphthalene	ND	42.2	211	U
106-47-8	4-Chloroaniline	ND UJ	42.2	211	U
87-68-3	Hexachlorobutadiene	ND	42.2	211	U
59-50-7	4-Chloro-3-methylphenol	ND	42.2	211	U



ANALYSIS DATA SHEET
EPA 8270

Client: **BRINKERHOFF ENVIRONMENTAL**
 Client Sample ID: **EP-19**
 Lab Sample ID: **1502333-01**
 Project: **255 East 138th Street, Bronx, NY**
 Work Order: **1502333**

Date Sampled:	12/28/15 09:05	Prep Date:	12/30/15 07:43	Matrix:	Soil
Percent Solids:	79.00	Prep Method:	EPA 3550B GCMS	File ID:	F12441.D
Prep Batch:	B5L3003	Sequence:	SSL3003	Analyzed:	12/30/15 18:51
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
91-57-6	2-Methylnaphthylene	ND	42.2	211	U
77-47-4	Hexachlorocyclopentadiene	ND	42.2	211	U
88-06-2	2,4,6-Trichlorophenol	ND	42.2	211	U
95-95-4	2,4,5-Trichlorophenol	ND	42.2	211	U
91-58-7	2-Chloronaphthalene	ND	42.2	211	U
88-74-4	2-Nitroaniline	ND	42.2	211	U
131-11-3	Dimethylphthalate	ND	42.2	211	U
208-96-8	Acenaphthylene	ND	42.2	211	U
99-09-2	3-Nitroaniline	ND UJ	42.2	211	U
83-32-9	Acenaphthene	ND	42.2	211	U
51-28-5	2,4-Dinitrophenol	ND	42.2	422	U
100-02-7	4-Nitrophenol	ND	42.2	211	U
132-64-9	Dibenzofuran	ND	42.2	211	U
606-20-2	2,6-Dinitrotoluene	ND	42.2	211	U
121-14-2	2,4-Dinitrotoluene	ND	42.2	211	U
84-66-2	Diethyl phthalate	ND	42.2	211	U
7005-72-3	4-Chlorophenyl-phenylether	ND	42.2	211	U
86-73-7	Fluorene	ND	42.2	211	U
100-01-6	4-Nitroaniline	ND	42.2	211	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	42.2	211	U
86-30-6	N-Nitrosodiphenylamine	ND	42.2	211	U
101-55-3	4-Bromophenyl-phenylether	ND	42.2	211	U
118-74-1	Hexachlorobenzene	ND	42.2	211	U
87-86-5	Pentachlorophenol	ND	42.2	211	U
85-01-8	Phenanthrene	ND	42.2	211	U



ANALYSIS DATA SHEET
EPA 8270

Client: **BRINKERHOFF ENVIRONMENTAL**
 Client Sample ID: **EP-19**
 Lab Sample ID: **1502333-01**
 Project: **255 East 138th Street, Bronx, NY**
 Work Order: **1502333**

Date Sampled:	12/28/15 09:05	Prep Date:	12/30/15 07:43	Matrix:	Soil
Percent Solids:	79.00	Prep Method:	EPA 3550B GCMS	File ID:	F12441.D
Prep Batch:	B5L3003	Sequence:	S5L3003	Analyzed:	12/30/15 18:51
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
120-12-7	Anthracene	ND	42.2	211	U
84-74-2	Di-n-butyl phthalate	ND	42.2	211	U
206-44-0	Fluoranthene	ND	42.2	211	U
129-00-0	Pyrene	ND	42.2	211	U
85-68-7	Butylbenzylphthalate	ND	42.2	211	U
91-94-1	3,3'-Dichlorobenzidine	ND	105	211	U
56-55-3	Benzo[a]anthracene	ND	42.2	211	U
117-81-7	bis(2-ethylhexyl)phthalate	ND	42.2	211	U
218-01-9	Chrysene	ND	42.2	211	U
117-84-0	Di-n-octyl phthalate	ND	42.2	211	U
205-99-2	Benzo[b]fluoranthene	ND	42.2	211	U
207-08-9	Benzo[k]fluoranthene	ND	42.2	211	U
50-32-8	Benzo[a]pyrene	ND	42.2	211	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	42.2	211	U
53-70-3	Dibenzo(a,h)anthracene	ND	42.2	211	U
191-24-2	Benzo[ghi]perylene	ND	42.2	211	U

<u>Surrogate</u>	<u>% Recovery</u>	<u>Recovery Limits</u>
2-Fluorophenol	68%	30-130
Phenol-d5	76%	30-130
Nitrobenzene-d5	70%	30-130
2-Fluorobiphenyl	68%	30-130
2,4,6-Tribromophenol	86%	30-130
Terphenyl-d14	91%	30-130



ANALYSIS DATA SHEET

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-19
Lab Sample ID: 1502333-01
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502333

Date Sampled:	12/28/15 09:05	Prep Date:	12/30/15 07:39	Matrix:	Soil
Percent Solids:	79.00	Prep Method:	EPA 3550B	File ID:	G14838.D
Prep Batch:	B5L3001	Sequence:	S5L3002	Analyzed:	12/30/15 13:54
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
319-84-6	alpha-BHC	ND	0.835	0.835	U
319-85-7	beta-BHC	ND	0.835	0.835	U
319-86-8	delta-BHC	ND	0.835	0.835	U
58-89-9	gamma-BHC [Lindane]	ND	0.835	0.835	U
76-44-8	Heptachlor	ND	0.835	0.835	U
309-00-2	Aldrin	ND	0.835	0.835	U
1024-57-3	Heptachlor Epoxide	ND	0.835	0.835	U
959-98-8	Endosulfan I	ND	0.835	0.835	U
60-57-1	Dieldrin	ND	1.68	1.68	U
72-55-9	4,4'-DDE	ND	1.68	1.68	U
72-20-8	Endrin	ND	1.68	1.68	U
33213-65-9	Endosulfan II	ND	1.68	1.68	U
72-54-8	4,4'-DDD	ND	1.68	1.68	U
1031-07-8	Endosulfan sulfate	ND	1.68	1.68	U
50-29-3	4,4'-DDT	ND	1.68	1.68	U
72-43-5	Methoxychlor	ND	2.53	8.43	U
53494-70-5	Endrin ketone	ND	1.68	1.68	U
7421-93-4	Endrin aldehyde	ND	1.68	1.68	U
5103-71-9	alpha-Chlordane	ND	0.835	0.835	U
5566-34-7	gamma-Chlordane	ND	0.835	0.835	U
8001-35-2	Toxaphene	ND	42.2	42.2	U
12674-11-2	Aroclor-1016	ND	21.0	42.2	U



ANALYSIS DATA SHEET

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-19
Lab Sample ID: 1502333-01
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502333

Date Sampled:	12/28/15 09:05	Prep Date:	12/30/15 07:39	Matrix:	Soil
Percent Solids:	79.00	Prep Method:	EPA 3550B	File ID:	G14838.D
Prep Batch:	B5L3001	Sequence:	S5L3002	Analyzed:	12/30/15 13:54
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
11104-28-2	Aroclor-1221	ND	21.0	42.2	U
11141-16-5	Aroclor-1232	ND	21.0	42.2	U
53469-21-9	Aroclor-1242	ND	21.0	42.2	U
12672-29-6	Aroclor-1248	ND	21.0	42.2	U
11097-69-1	Aroclor-1254	ND	21.0	42.2	U
11096-82-5	Aroclor-1260	ND	21.0	42.2	U
37324-23-5	Aroclor-1262	ND	21.0	42.2	U
11100-14-4	Aroclor-1268	ND	21.0	42.2	U

<u>Surrogate</u>	<u>% Recovery</u>	<u>Recovery Limits</u>
Tetrachloro-m-xylene	88.5%	30-150
Tetrachloro-m-xylene [2C]	82.4%	30-150
Decachlorobiphenyl	101%	30-150
Decachlorobiphenyl [2C]	100%	30-150

* Values outside of QC limits

ND - Indicates compound analyzed for but not detected

U - Indicates compound analyzed for but not detected

J - Indicates estimated value for TICs and all results when detected below the RL

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% dif. between 2 GC columns.

MDL - Minimum detection limit

RL - Reporting limit



ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-19
Lab Sample ID: 1502333-01
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502333

Date Sampled: 12/28/15 09:05	Matrix: Soil
Percent Solids: 79.00	File ID: 123015B-012

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
7429-90-5	Aluminum	8440	25.3	25.3	1		12/29/15 10:50	EPA 3050B	12/30/15 12:28 LIT	EPA 6010
7439-97-6	Mercury	ND	0.0949	0.0949	1	U	12/30/15 07:44	EPA 7471A	12/30/15 10:49 PRT	EPA 7471
7440-36-0	Antimony	ND	5.06	5.06	1	U	12/29/15 10:50	EPA 3050B	12/30/15 12:28 LIT	EPA 6010
7440-38-2	Arsenic	1.85	1.27	1.27	1		12/29/15 10:50	EPA 3050B	12/30/15 12:28 LIT	EPA 6010
7440-39-3	Barium	39.1	25.3	25.3	1		12/29/15 10:50	EPA 3050B	12/30/15 12:28 LIT	EPA 6010
7440-41-7	Beryllium	ND	0.633	0.633	1	U	12/29/15 10:50	EPA 3050B	12/30/15 12:28 LIT	EPA 6010
7440-43-9	Cadmium	ND	0.633	0.633	1	U	12/29/15 10:50	EPA 3050B	12/30/15 12:28 LIT	EPA 6010
7440-70-2	Calcium	1630	31.6	31.6	1		12/29/15 10:50	EPA 3050B	12/30/15 12:28 LIT	EPA 6010
7440-47-3	Chromium	13.6	2.53	2.53	1		12/29/15 10:50	EPA 3050B	12/30/15 12:28 LIT	EPA 6010
7440-48-4	Cobalt	8.24	6.33	6.33	1		12/29/15 10:50	EPA 3050B	12/30/15 12:28 LIT	EPA 6010
7440-50-8	Copper	13.3	3.80	3.80	1		12/29/15 10:50	EPA 3050B	12/30/15 12:28 LIT	EPA 6010
7439-89-6	Iron	12200	31.6	31.6	1		12/29/15 10:50	EPA 3050B	12/30/15 12:28 LIT	EPA 6010
7439-92-1	Lead	8.20	1.27	1.27	1		12/29/15 10:50	EPA 3050B	12/30/15 12:28 LIT	EPA 6010
7439-95-4	Magnesium	4060	63.3	63.3	1		12/29/15 10:50	EPA 3050B	12/30/15 12:28 LIT	EPA 6010
7439-96-5	Manganese	98.8	2.53	2.53	1		12/29/15 10:50	EPA 3050B	12/30/15 12:28 LIT	EPA 6010
7440-02-0	Nickel	15.2	5.06	5.06	1		12/29/15 10:50	EPA 3050B	12/30/15 12:28 LIT	EPA 6010
7440-09-7	Potassium	994	63.3	63.3	1		12/29/15 10:50	EPA 3050B	12/30/15 12:28 LIT	EPA 6010
7782-49-2	Selenium	ND	5.06	5.06	1	U	12/29/15 10:50	EPA 3050B	12/30/15 12:28 LIT	EPA 6010
7440-22-4	Silver	ND	0.633	0.633	1	U	12/29/15 10:50	EPA 3050B	12/30/15 12:28 LIT	EPA 6010
7440-23-5	Sodium	124	63.3	63.3	1		12/29/15 10:50	EPA 3050B	12/30/15 12:28 LIT	EPA 6010
7440-28-0	Thallium	ND	1.90	3.80	1	U	12/29/15 10:50	EPA 3050B	12/30/15 12:28 LIT	EPA 6010
7440-62-2	Vanadium	12.7	6.33	6.33	1		12/29/15 10:50	EPA 3050B	12/30/15 12:28 LIT	EPA 6010
7440-66-6	Zinc	45.5 J	7.59	7.59	1		12/29/15 10:50	EPA 3050B	12/30/15 12:28 LIT	EPA 6010

* Values outside of QC limits

ND - Indicates compound analyzed for but not detected

U - Indicates compound analyzed for but not detected

J - Indicates estimated value for TICs and all results when detected below the RL

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.

MDL - Minimum detection limit

RL - Reporting limit



ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-19
Lab Sample ID: 1502333-01
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502333

Date Sampled:	12/28/15 09:05	Matrix:	Soil
Percent Solids:	79.00	File ID:	

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
16065-83-1	Trivalent Chromium	13.6	2.00	2.00	1		01/04/16 09:22	[CALC]	01/05/16 15:12 HTW	[CALC]
1354-02-99	Chromium, Hexava	ND	2.53	2.53	1	U	01/04/16 09:22	SW 846 3060A	01/05/16 15:12 HTW	EPA 7196A
NA	Cyanide (total)	ND	1.27	1.27	1	U	01/04/16 09:25	EPA 9010C	01/05/16 12:28 NNM	EPA 9014

CAS NO.	Analyte	Concentration (%)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
NA	Percent Solids	79.0	0.100	0.100	1		12/30/15 16:00	Percent Solids	01/04/16 09:32 CLD	SM 2540 G

* Values outside of QC limits

ND - Indicates compound analyzed for but not detected

U - Indicates compound analyzed for but not detected

J - Indicates estimated value for TICs and all results when detected below the RL

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.

MDL - Minimum detection limit

RL - Reporting limit

Appendix B

***Laboratory
QC
Documentation***



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EP-19

Client: **BRINKERHOFF ENVIRONMENTAL**
 Project: **255 East 138th Street, Bronx, NY**
 Work Order: **1502333**

Matrix:	Solid	Analysis Method:	EPA 8260
Prep Batch:	B5L2811	Prep Method:	EPA 5035A
Percent Solids:	79.00	Laboratory ID:	B5L2811-MS1
		Client Sample ID:	1502333-01

ANALYTE	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC.	QC LIMITS REC.
Acrolein	316	ND	219	69	40 - 160
Acrylonitrile	316	ND	253	80	70 - 130
Acetone	63.3	9.22	78.6	110	40 - 160
Dichlorodifluoromethane	63.3	ND	33.3	53	40 - 160
Chloromethane	63.3	ND	41.6	66	40 - 160
Vinyl chloride	63.3	ND	45.5	72	70 - 130
Bromomethane	63.3	ND	49.8	79	40 - 160
Chloroethane	63.3	ND	48.8	77	40 - 160
Trichlorofluoromethane	63.3	ND	50.9	80	40 - 160
Freon 113	63.3	ND	47.4	75	70 - 130
1,1-Dichloroethene	63.3	ND	56.3	89	70 - 130
Carbon disulfide	63.3	ND	56.1	89	70 - 130
Methyl Acetate	63.3	ND	85.0	134 *	70 - 130
Methylene Chloride	63.3	ND	83.5	132 *	70 - 130
trans-1,2-Dichloroethene	63.3	ND	63.8	101	70 - 130
1,1-Dichloroethane	63.3	ND	59.0	93	70 - 130
2,2-Dichloropropane	63.3	ND	61.3	97	70 - 130
2-Butanone	63.3	ND	56.9	90	40 - 160
cis-1,2-Dichloroethene	63.3	ND	56.2	89	70 - 130
Chloroform	63.3	ND	60.0	95	70 - 130
Bromochloromethane	63.3	ND	59.9	95	70 - 130
Cyclohexane	63.3	ND	48.0	76	70 - 130
1,1,1-Trichloroethane	63.3	ND	59.8	95	70 - 130
t-Butyl alcohol	633	ND	571	90	40 - 160
1,1-Dichloropropene	63.3	ND	57.5	91	70 - 130
Carbon Tetrachloride	63.3	ND	63.1	100	70 - 130
1,2-Dichloroethane	63.3	ND	65.3	103	70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EP-19

Client: **BRINKERHOFF ENVIRONMENTAL**
 Project: **255 East 138th Street, Bronx, NY**
 Work Order: **1502333**

Matrix:	Solid	Analysis Method:	EPA 8260
Prep Batch:	B5L2811	Prep Method:	EPA 5035A
Percent Solids:	79.00	Laboratory ID:	B5L2811-MS1
		Client Sample ID:	1502333-01

ANALYTE	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC.	QC LIMITS REC.
Benzene	63.3	ND	62.5	99	70 - 130
Trichloroethene	63.3	ND	58.8	93	70 - 130
Methylcyclohexane	63.3	ND	47.8	76	70 - 130
1,2-Dichloropropane	63.3	ND	62.1	98	70 - 130
Bromodichloromethane	63.3	ND	63.3	100	70 - 130
Dibromomethane	63.3	ND	60.6	96	70 - 130
2-Chloroethyl vinyl ether	63.3	ND	57.8	91	40 - 160
cis-1,3-Dichloropropene	63.3	ND	58.4	92	70 - 130
Toluene	63.3	ND	58.2	92	70 - 130
trans-1,3-Dichloropropene	63.3	ND	56.5	89	70 - 130
1,1,2-Trichloroethane	63.3	ND	61.1	97	70 - 130
4-Methyl-2-pentanone	63.3	ND	61.4	97	40 - 160
1,2-Dibromoethane	63.3	ND	60.5	96	70 - 130
2-Hexanone	63.3	ND	64.9	102	40 - 160
1,3-Dichloropropane	63.3	ND	62.9	99	70 - 130
Tetrachloroethene	63.3	ND	59.3	94	70 - 130
Dibromochloromethane	63.3	ND	65.7	104	70 - 130
Ethylbenzene	63.3	ND	60.5	96	70 - 130
Chlorobenzene	63.3	ND	59.8	94	70 - 130
1,1,1,2-Tetrachloroethane	63.3	ND	65.5	103	70 - 130
m,p-Xylenes	127	ND	118	94	70 - 130
o-Xylene	127	ND	117	92	70 - 130
Styrene	127	ND	113	89	70 - 130
Bromoform	63.3	ND	63.0	100	70 - 130
Isopropylbenzene	63.3	ND	71.4	113	70 - 130
1,1,2,2-Tetrachloroethane	63.3	ND	76.2	120	70 - 130
1,2,3-Trichloropropane	63.3	ND	75.7	120	70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EP-19

Client: BRINKERHOFF ENVIRONMENTAL
 Project: 255 East 138th Street, Bronx, NY
 Work Order: 1502333

Matrix:	Solid	Analysis Method:	EPA 8260
Prep Batch:	B5L2811	Prep Method:	EPA 5035A
Percent Solids:	79.00	Laboratory ID:	B5L2811-MS1
		Client Sample ID:	1502333-01

ANALYTE	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC.	QC LIMITS REC.
n-Propyl Benzene	63.3	ND	66.6	105	70 - 130
Bromobenzene	63.3	ND	68.8	109	70 - 130
1,3,5-Trimethylbenzene	63.3	ND	67.8	107	70 - 130
2-Chlorotoluene	63.3	ND	67.9	107	70 - 130
4-Chlorotoluene	63.3	ND	63.8	101	70 - 130
tert-Butylbenzene	63.3	ND	67.7	107	70 - 130
1,2,4-Trimethylbenzene	63.3	ND	67.2	106	70 - 130
sec-Butylbenzene	63.3	ND	63.7	101	70 - 130
p-Isopropyltoluene	63.3	ND	63.3	100	70 - 130
1,3-Dichlorobenzene	63.3	ND	59.6	94	70 - 130
1,4-Dichlorobenzene	63.3	ND	59.3	94	70 - 130
n-Butyl Benzene	63.3	ND	55.6	88	70 - 130
1,2-Dichlorobenzene	63.3	ND	61.5	97	70 - 130
1,2-Dibromo-3-chloropropane	63.3	ND	77.3	122	40 - 160
1,2,4-Trichlorobenzene	63.3	ND	47.9	76	70 - 130
Hexachlorobutadiene	63.3	ND	43.2	68	* 70 - 130
Naphthalene	63.3	ND	57.8	91	40 - 160
1,2,3-Trichlorobenzene	63.3	ND	48.2	76	70 - 130
Methyl tert-Butyl Ether	127	ND	179	141	* 70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EP-19

Client: **BRINKERHOFF ENVIRONMENTAL**
 Project: **255 East 138th Street, Bronx, NY**
 Work Order: **1502333**

Matrix:	Solid	Analysis Method:	EPA 8260
Prep Batch:	B5L2811	Prep Method:	EPA 5035A
Percent Solids:	79.00	Laboratory ID:	B5L2811-MSD1
		Client Sample ID:	1502333-01

ANALYTE	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
Acrolein	316	203	64	7	30	40 - 160
Acrylonitrile	316	272	86	7	30	70 - 130
Acetone	63.3	60.1	80	27	30	40 - 160
Dichlorodifluoromethane	63.3	29.4	46	12	30	40 - 160
Chloromethane	63.3	41.3	65	0.9	30	40 - 160
Vinyl chloride	63.3	45.3	71	0.5	30	70 - 130
Bromomethane	63.3	51.2	81	3	30	40 - 160
Chloroethane	63.3	50.3	80	3	30	40 - 160
Trichlorofluoromethane	63.3	53.5	85	5	30	40 - 160
Freon 113	63.3	49.1	78	3	30	70 - 130
1,1-Dichloroethene	63.3	58.5	92	4	30	70 - 130
Carbon disulfide	63.3	55.6	88	0.8	30	70 - 130
Methyl Acetate	63.3	70.9	112	18	30	70 - 130
Methylene Chloride	63.3	70.7	112	17	30	70 - 130
trans-1,2-Dichloroethene	63.3	54.9	87	15	30	70 - 130
1,1-Dichloroethane	63.3	63.7	101	8	30	70 - 130
2,2-Dichloropropane	63.3	64.8	102	5	30	70 - 130
2-Butanone	63.3	57.1	90	0.3	30	40 - 160
cis-1,2-Dichloroethene	63.3	57.7	91	3	30	70 - 130
Chloroform	63.3	63.1	100	5	30	70 - 130
Bromochloromethane	63.3	60.0	95	0.04	30	70 - 130
Cyclohexane	63.3	47.1	74	2	30	70 - 130
1,1,1-Trichloroethane	63.3	62.7	99	5	30	70 - 130
t-Butyl alcohol	633	589	93	3	30	40 - 160
1,1-Dichloropropene	63.3	53.4	84	7	30	70 - 130
Carbon Tetrachloride	63.3	61.0	96	3	30	70 - 130
1,2-Dichloroethane	63.3	64.8	102	0.9	30	70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EP-19

Client: BRINKERHOFF ENVIRONMENTAL
 Project: 255 East 138th Street, Bronx, NY
 Work Order: 1502333

Matrix:	Solid	Analysis Method:	EPA 8260
Prep Batch:	B5L2811	Prep Method:	EPA 5035A
Percent Solids:	79.00	Laboratory ID:	B5L2811-MSD1
		Client Sample ID:	1502333-01

ANALYTE	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
Benzene	63.3	60.3	95	4	30	70 - 130
Trichloroethene	63.3	55.6	88	6	30	70 - 130
Methylcyclohexane	63.3	42.5	67*	12	30	70 - 130
1,2-Dichloropropane	63.3	61.9	98	0.3	30	70 - 130
Bromodichloromethane	63.3	60.7	96	4	30	70 - 130
Dibromomethane	63.3	59.0	93	3	30	70 - 130
2-Chloroethyl vinyl ether	63.3	56.8	90	2	30	40 - 160
cis-1,3-Dichloropropene	63.3	56.0	88	4	30	70 - 130
Toluene	63.3	55.7	88	4	30	70 - 130
trans-1,3-Dichloropropene	63.3	54.2	86	4	30	70 - 130
1,1,2-Trichloroethane	63.3	59.8	94	2	30	70 - 130
4-Methyl-2-pentanone	63.3	58.8	93	4	30	40 - 160
1,2-Dibromoethane	63.3	57.5	91	5	30	70 - 130
2-Hexanone	63.3	64.5	102	0.5	30	40 - 160
1,3-Dichloropropane	63.3	65.1	103	3	30	70 - 130
Tetrachloroethene	63.3	57.9	91	2	30	70 - 130
Dibromochloromethane	63.3	65.4	103	0.6	30	70 - 130
Ethylbenzene	63.3	60.8	96	0.6	30	70 - 130
Chlorobenzene	63.3	58.4	92	2	30	70 - 130
1,1,1,2-Tetrachloroethane	63.3	66.2	105	1	30	70 - 130
m,p-Xylenes	127	117	93	1	30	70 - 130
o-Xylene	127	120	95	3	30	70 - 130
Styrene	127	111	87	2	30	70 - 130
Bromoform	63.3	64.3	102	2	30	70 - 130
Isopropylbenzene	63.3	75.6	119	6	30	70 - 130
1,1,2,2-Tetrachloroethane	63.3	85.7	135	12	30	70 - 130
1,2,3-Trichloropropane	63.3	83.6	132	10	30	70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EP-19

Client: BRINKERHOFF ENVIRONMENTAL
 Project: 255 East 138th Street, Bronx, NY
 Work Order: 1502333

Matrix:	Solid	Analysis Method:	EPA 8260
Prep Batch:	B5L2811	Prep Method:	EPA 5035A
Percent Solids:	79.00	Laboratory ID:	B5L2811-MSD1
		Client Sample ID:	1502333-01

ANALYTE	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
n-Propyl Benzene	63.3	69.9	110	5	30	70 - 130
Bromobenzene	63.3	72.6	115	5	30	70 - 130
1,3,5-Trimethylbenzene	63.3	71.5	113	5	30	70 - 130
2-Chlorotoluene	63.3	71.0	112	4	30	70 - 130
4-Chlorotoluene	63.3	67.2	106	5	30	70 - 130
tert-Butylbenzene	63.3	71.1	112	5	30	70 - 130
1,2,4-Trimethylbenzene	63.3	70.5	111	5	30	70 - 130
sec-Butylbenzene	63.3	65.4	103	3	30	70 - 130
p-Isopropyltoluene	63.3	65.1	103	3	30	70 - 130
1,3-Dichlorobenzene	63.3	60.4	96	1	30	70 - 130
1,4-Dichlorobenzene	63.3	60.4	95	2	30	70 - 130
n-Butyl Benzene	63.3	55.1	87	0.8	30	70 - 130
1,2-Dichlorobenzene	63.3	63.5	100	3	30	70 - 130
1,2-Dibromo-3-chloropropane	63.3	73.0	115	6	30	40 - 160
1,2,4-Trichlorobenzene	63.3	44.9	71	6	30	70 - 130
Hexachlorobutadiene	63.3	42.1	67 *	2	30	70 - 130
Naphthalene	63.3	56.2	89	3	30	40 - 160
1,2,3-Trichlorobenzene	63.3	43.4	69 *	11	30	70 - 130
Methyl tert-Butyl Ether	127	167	132 *	7	30	70 - 130



INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
 Work Order: 1502333
 Project: 255 East 138th Street, Bronx, NY

Calibration:	15L1401	Instrument:	GC/MS D
		Calibration Date:	12/1/2015 7:29:13PM

COMPOUND	Mean RF	RF RSD	LIMIT	Q
Acrolein	1.027946E-02	10.82104		
Acrylonitrile	9.672611E-02	6.510138		
Acetone	0.157306	42.33686		
Dichlorodifluoromethane	0.4967151	13.91056		
Chloromethane	1.126771	3.429468	SPCC (0.1)	
Vinyl chloride	1.179116	3.32457	CCC (20)	
Bromomethane	0.7400397	2.267457		
Chloroethane	1.037875	5.077389		
Trichlorofluoromethane	0.8967936	4.06701		
Freon 113	0.7829055	8.411971		
1,1-Dichloroethene	1.080892	8.590248	CCC (20)	
Carbon disulfide	1.698673	7.889689		
Methyl Acetate	0.2575179	9.127351		
Methylene Chloride	1.263766	54.75354		
trans-1,2-Dichloroethene	0.9407191	6.744489		
1,1-Dichloroethane	1.192587	6.775722	SPCC (0.1)	
Vinyl acetate	0.8345188	5.816735		
2,2-Dichloropropane	0.7727925	5.27732		
2-Butanone	0.1732374	8.217978		
cis-1,2-Dichloroethene	0.8724462	6.165484		
Chloroform	0.8278822	5.654672	CCC (20)	
Bromochloromethane	0.2997968	5.968461		
Cyclohexane	1.449462	9.49653		
1,1,1-Trichloroethane	0.6357207	5.828603		
t-Butyl alcohol	2.521052E-02	6.475355		



CONTINUING CALIBRATION VERIFICATION

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
 Work Order: 1502333
 Project: 255 East 138th Street, Bronx, NY

Instrument ID: GC/MS D	Calibration: 15L1401
Lab File ID: D13588.D	Calibration Date: 12/01/15 19:29
Sequence: S5L2808	Injection Date: 12/28/15
Lab Sample ID: S5L2808-CCV1	Injection Time: 09:40

COMPOUND	TYPE	CONC. (ug/L)		RESPONSE FACTOR			% DIFF	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acrolein	L	250	202	1.027946E-02	8.32163E-03		-19.0	
Acrylonitrile	A	250	225	9.672611E-02	0.0870965		-10.0	
Acetone	L	50.0	45.3	0.157306	0.1117661		-28.9	
Dichlorodifluoromethane	Q	50.0	42.4	0.4967151	0.4206933		-15.3	
Chloromethane	A	50.0	41.7	1.126771	0.9388451	0.1	-16.7	
Vinyl chloride	A	50.0	47.2	1.179116	1.11375		-5.5	20
Bromomethane	A	50.0	46.9	0.7400397	0.694117		-6.2	
Chloroethane	A	50.0	48.5	1.037875	1.00705		-3.0	
Trichlorofluoromethane	A	50.0	52.4	0.8967936	0.9407163		4.9	
Freon 113	A	50.0	45.9	0.7829055	0.7190567		-8.2	
1,1-Dichloroethene	A	50.0	46.6	1.080892	1.007675		-6.8	20
Carbon disulfide	A	50.0	40.4	1.698673	1.372406		-19.2	
Methyl Acetate	A	50.0	48.5	0.2575179	0.24957		-3.1	
Methylene Chloride	L	50.0	56.3	1.263766	0.9793792		-22.5	
trans-1,2-Dichloroethene	A	50.0	48.5	0.9407191	0.9126427		-3.0	
1,1-Dichloroethane	A	50.0	49.4	1.192587	1.177141	0.1	-1.3	
Vinyl acetate	A	50.0	44.1	0.8345188	0.7366922		-11.7	
2,2-Dichloropropane	A	50.0	54.2	0.7727925	0.8372175		8.3	
2-Butanone	A	50.0	51.1	0.1732374	0.1771811		2.3	
cis-1,2-Dichloroethene	A	50.0	50.3	0.8724462	0.878074		0.6	
Chloroform	A	50.0	52.8	0.8278822	0.8740427		5.6	20
Bromochloromethane	A	50.0	49.9	0.2997968	0.299186		-0.2	
Cyclohexane	A	50.0	46.3	1.449462	1.341977		-7.4	



LCS / LCS DUPLICATE RECOVERY

EPA 8270

Client: **BRINKERHOFF ENVIRONMENTAL**
 Project: **266 East 138th Street, Bronx, NY**
 Work Order: **1502333**

Matrix:	Solid	Prep Method:	EPA 3550B GCMS
Prep Batch:	B5L3003	Lab Sample ID:	B5L3003-BS1

ANALYTE	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC.	QC LIMITS REC.
Pyridine	1670	1010	61	20 - 160
N-Nitrosodimethylamine	1670	1140	68	20 - 160
Aniline	1670	973	58	20 - 160
Phenol	1670	1490	90	20 - 160
bis(2-chloroethyl)ether	1670	1390	83	70 - 130
2-Chlorophenol	1670	1460	88	70 - 130
1,3-Dichlorobenzene	1670	1370	82	70 - 130
1,4-Dichlorobenzene	1670	1380	83	70 - 130
Benzyl alcohol	1670	1500	90	20 - 160
1,2-Dichlorobenzene	1670	1430	86	70 - 130
2-Methylphenol	1670	1580	95	20 - 160
bis(2-chloroisopropyl)ether	1670	1450	87	70 - 130
3 & 4-Methylphenol	1670	1590	95	20 - 160
N-Nitroso-di-n-propylamine	1670	1520	91	70 - 130
Hexachloroethane	1670	1410	85	20 - 160
Nitrobenzene	1670	1500	90	70 - 130
Isophorone	1670	1480	89	70 - 130
2-Nitrophenol	1670	1540	92	70 - 130
2,4-Dimethylphenol	1670	1440	86	70 - 130
bis(2-chloroethoxy)methane	1670	1530	92	70 - 130
2,4-Dichlorophenol	1670	1620	97	70 - 130
1,2,4-Trichlorobenzene	1670	1510	91	70 - 130
Naphthalene	1670	1500	90	70 - 130
4-Chloroaniline	1670	264	16	70 - 130
Hexachlorobutadiene	1670	1460	88	70 - 130
4-Chloro-3-methylphenol	1670	1640	98	70 - 130
2-Methylnaphthylene	1670	1540	92	70 - 130
Hexachlorocyclopentadiene	1670	1030	62	20 - 160



LCS / LCS DUPLICATE RECOVERY

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502333

Matrix:	Solid	Prep Method:	EPA 3550B GCMS
Prep Batch:	BSL3003	Lab Sample ID:	BSL3003-BS1

ANALYTE	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC.	QC LIMITS REC.
2,4,6-Trichlorophenol	1670	1570	94	70 - 130
2,4,5-Trichlorophenol	1670	1620	97	70 - 130
2-Chloronaphthalene	1670	1380	83	70 - 130
2-Nitroaniline	1670	1630	98	70 - 130
Dimethylphthalate	1670	1730	104	70 - 130
Acenaphthylene	1670	1560	94	70 - 130
3-Nitroaniline	1670	1010	60	70 - 130
Acenaphthene	1670	1530	92	70 - 130
2,4-Dinitrophenol	1670	1130	68	20 - 160
4-Nitrophenol	1670	1770	106	20 - 160
Dibenzofuran	1670	1640	99	70 - 130
2,6-Dinitrotoluene	1670	1650	99	70 - 130
2,4-Dinitrotoluene	1670	1830	110	70 - 130
2,3,4,6-Tetrachlorophenol	1670	1710	102	70 - 130
Diethyl phthalate	1670	1720	103	70 - 130
4-Chlorophenyl-phenylether	1670	1570	94	70 - 130
Fluorene	1670	1630	98	70 - 130
4-Nitroaniline	1670	1680	101	70 - 130
4,6-Dinitro-2-methylphenol	1670	1420	85	70 - 130
Carbazole	1670	1740	104	70 - 130
N-Nitrosodiphenylamine	1670	1720	103	20 - 160
Azobenzene	1670	1690	102	70 - 130
4-Bromophenyl-phenylether	1670	1730	104	70 - 130
Hexachlorobenzene	1670	1730	104	70 - 130
Pentachlorophenol	1670	1490	90	20 - 160
Phenanthrene	1670	1710	102	70 - 130
Anthracene	1670	1700	102	70 - 130
Di-n-butyl phthalate	1670	1680	101	70 - 130



SERIAL DILUTION

EPA 6010

Laboratory:	Accredited Analytical Resources LLC	Work Order:	1502333
Client:	BRINKERHOFF ENVIRONMENTAL	Project:	255 East 138th Street, Bronx, NY
Matrix:	Solid	Laboratory ID:	S5L2912-SRD1
Sequence:	S5L2912	Source:	EP-19

Analyte	Initial Sample Result (I)	Serial Dilution Result (S)	% Difference	Q	QC Limits % Difference
Lead	8.20	8.46	3.08		10.00
Antimony	ND	ND	N/A		10.00
Arsenic	1.85	ND	N/A		10.00
Barium	39.1	ND	N/A		10.00
Beryllium	ND	ND	N/A		10.00
Cadmium	ND	ND	N/A		10.00
Calcium	1630	1650	1.02		10.00
Chromium	13.6	13.5	0.421		10.00
Cobalt	8.24	ND	N/A		10.00
Aluminum	8440	8360	0.866		10.00
Iron	12200	12500	2.50		10.00
Zinc	45.5	50.8	11.0		10.00
Magnesium	4060	4040	0.422		10.00
Manganese	98.8	98.8	0.00		10.00
Nickel	15.2	ND	N/A		10.00
Potassium	994	1010	2.02		10.00
Selenium	ND	ND	N/A		10.00
Silver	ND	ND	N/A		10.00
Sodium	124	ND	N/A		10.00
Thallium	ND	ND	N/A		10.00
Vanadium	12.7	ND	N/A		10.00
Copper	13.3	ND	N/A		10.00

* Values outside of QC limits

Appendix C

Validator Qualifications

KENNETH R. APPLIN
Geochemist/Data Validator

Ph.D., Geochemistry and Mineralogy, The Pennsylvania State University

M.S., Geochemistry and Mineralogy, The Pennsylvania State University

B.A., Geological Sciences, SUNY at Geneseo, NY

Dr. Applin has over 35 years of experience working with the geochemistry of natural waters. His prior experience includes working as an Assistant Professor of Geology at the University of Missouri-Columbia and as Chief Hydrogeologist and Geochemist with a leading engineering firm in Rochester, NY. In 1993, he established KR Applin and Associates, a small consulting business that focuses on the geochemistry of natural waters, especially as applied to problems involving the contamination of groundwater and surface water.

Dr. Applin is also an experienced analytical data validator and has provided data validation services since 1994 to a variety of clients performing brownfield cleanup projects, hazardous waste remediation, groundwater monitoring at solid waste facilities, and other projects requiring third-party data validation. Dr. Applin has several years of hands-on experience with the laboratory analysis of natural waters and has successfully completed the USEPA Region II certification courses for performing inorganic and organic analytical data validation.

MICHAEL K. PERRY
Chemist/Data Validator

B.S. Chemistry, Georgia State University, Atlanta, GA

A.A.S., Chemical Technology, Alfred State College, Alfred, NY

Mr. Perry has over 30 years of experience in the analytical laboratory business. During his early career, he spent several years as a laboratory analyst performing the analysis of soil, water, and air samples for inorganic and organic chemical parameters. During his last 20 years in the environmental laboratory business, he managed and directed two major analytical laboratories in Rochester, NY. His management responsibilities included oversight of the daily operations of the lab, staff training and supervision, the selection, purchase, and maintenance of analytical instruments, the introduction of new laboratory methods, analytical quality assurance and quality control, data acquisition and management, and other business-related activities.

Mr. Perry has an extensive working knowledge of the methods and procedures used for sampling and analyzing both inorganic and organic analytes in soil, water, and air. He is an accomplished laboratory chemist and is familiar with the analytical methods and procedures established under the USEPA Contract Laboratory Protocols (CLP), the NYSDEC Analytical Services Protocols (ASP), and the NYSDOH Environmental Laboratory Approval Program (ELAP).

DATA USABILITY SUMMARY REPORT (DUSR)

**Former G & C Services
255 East 138th Street
Bronx, NY
NYSDEC BCP # C203057**

SDG: 1600232
1 Soil Sample

Prepared for:

**Brinkerhoff Environmental Services, Inc.
1805 Atlantic Avenue
Manasquan, NJ 08736**

October 2016



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APPENDIX A	Validated Analytical Results
APPENDIX B	Laboratory QC Documentation
APPENDIX C	Validator Qualifications

Tables

Table 4-1	Data Validation Guidance Documents
Table 4-2	Quality Control Criteria for Validating Laboratory Analytical Data

Summaries of Validated Results

Table 6-1	VOCs
Table 6-2	SVOCs
Table 6-3	Pesticides
Table 6-4	PCBs
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Table 6-6	Wet Chemistry

REVIEWER'S NARRATIVE
SDG 1600232

The data associated with this Sample Delivery Group (SDG) 1600232, analyzed by Accredited Analytical Resources, LLC, Carteret, NJ have been reviewed in accordance with assessment criteria provided by the New York State Department of Environmental Conservation following the review procedures provided in the USEPA Functional Guidelines for evaluating organic and inorganic data.

All analytical results reported by the laboratory are considered valid and acceptable except results that have been qualified as rejected, "R". Results qualified as estimated "J", or as non-detects, "U", are considered usable for the purpose of evaluating water and/or soil quality. However, these qualifiers indicate that the accuracy and/or precision of the analytical result is questionable. A summary of all data that have been qualified and the reasons for qualification are provided in the following data usability summary report (DUSR).

Two facts should be noted by all data users. First, the "R" qualifier means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the analyte is present or not. Values qualified with an "R" should not appear on the final data tables because they cannot be relied upon, even as the last resort. Second, no analyte concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error.

Reviewer's Signature: Michael K. Perry Date: 10/26/16
Michael K. Perry
Chemist

1.0 SUMMARY

SITE: 255 East 138th Street.
Bronx, NY

SAMPLING DATE: February 10, 2016

SAMPLE TYPE: 1 soil sample

LABORATORY: Accredited Analytical Resources, LLC.
Carteret, NJ

SDG No.: 1600232

2.0 INTRODUCTION

This data usability summary report (DUSR) was prepared in accordance with guidance provided by the New York State Department of Environmental Conservation (NYSDEC). The DUSR is based on a review and evaluation of the laboratory analytical data package. Specifically, the NYSDEC guidance recommends review and evaluation of the following elements of the data package:

- Completeness of the data package as defined under the requirements of the NYSDEC Analytical Services Protocols (ASP) Category B or the United States Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) deliverables,
- Compliance with established analyte holding times,
- Adherence to quality control (QC) limits and specifications for blanks, instrument tuning and calibration, surrogate recoveries, spike recoveries, laboratory duplicate analyses, and other QC criteria,
- Adherence to established analytical protocols,
- Conformance of data summary sheets with raw analytical data, and
- Use of correct data qualifiers.

Data deficiencies, analytical protocol deviations, and quality control problems identified using the review criteria above and their effect on the analytical results are discussed in this report.

3.0 SAMPLE AND ANALYSIS SUMMARY

The data package consists of analytical results for one soil sample collected on February 10, 2016. This sample was analyzed for volatile organic compounds, semi-volatile organic compounds, pesticides, polychlorinated biphenyls (PCBs), TAL metals, hexavalent chromium, and total cyanide.

All laboratory analyses were performed by Accredited Analytical Resources, LLC., Carteret, NJ and analyzed as SDG 1600232. The analytical results were provided in NYSDEC ASP Category B format, which includes all raw analytical data and laboratory QC data.

4.0 GUIDANCE DOCUMENTS AND DATA REVIEW CRITERIA

The guidance documents used for reviewing laboratory quality control (QC) data and assigning data qualifiers (flags) to analytical results are listed in Table 4-1. The QC limits established in the documents applicable to this data review were used to assess the quality of the analytical results. In some cases, however, QC limits established internally by the laboratory were taken into account to determine data quality.

The QC criteria considered for assessing the usability of the reported analytical results provided for each analyte type (i.e. VOCs, SVOCs, metals, etc.) are listed in Table 4-2. These criteria may vary with the analytical method utilized by the laboratory. These criteria comply with the guidance recommended in Section 2.0 above.

5.0 DATA VALIDATION QUALIFIERS

The letter qualifiers (flags) used to define data usability are described briefly below. These letters are assigned by the data validator to analytical results having questionable accuracy and/or precision as determined by reviewing the laboratory QC data associated with the analytical results.

TABLE 4-1**DATA VALIDATION GUIDANCE DOCUMENTS**

Analyte Type	Validation Guidance
VOCs	USEPA, 2008, Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry; SW-846 Method 8260B; SOP # HW-24, Rev. 2. USEPA, 2008, Statement of Work for Organic Analysis of Low/Medium Concentration of Volatile Organic Compounds SOM01.2; SOP HW-33, Rev. 2.
SVOCs	USEPA, 2007, Statement of Work for Organic Analysis of Low/Medium Concentration of Semivolatile Organic Compounds SOM01.2; SOP HW-35, Rev. 1.
Pesticides/PCBs	USEPA, 2006, CLP Organics Data Review and Preliminary Review (CLP/SOW OLMO 4.3); SOP # HW-6, Rev. 14, Part C.
Metals	USEPA, 2006, Validation of Metals for the Contract Laboratory Program (CLP) based on SOW ILMO 5.3 (SOP Revision 13), SOP # HW-2, Rev. 13.
Gen Chemistry	NYSDEC, 2005, Analytical Services Protocols (ASP)
VOCs (Ambient air)	USEPA, 2006, Validating Air Samples, Volatile Organic Analysis of Ambient Air in Canister by Method TO-15; SOP # HW-31, Rev. 4.

TABLE 4-2

**QUALITY CONTROL CRITERIA USED FOR VALIDATING
LABORATORY ANALYTICAL DATA**

VOCs	SVOCs	Pesticides/PCBs	Metals	Gen Chemistry	Method TO-15
Completeness of Pkg Sample Condition Holding Time System Monitoring Compounds Lab Control Sample Matrix Spikes Blanks Instrument Tuning Internal Standards Initial Calibration Continuing Calibration Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Time Surrogate Recoveries Lab Control Sample Matrix Spikes Blanks Instrument Tuning Internal Standards Initial Calibration Continuing Calibration Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Time Surrogate Recoveries Matrix Spikes Blanks Instrument Calibration & Verification Analyte ID Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Time Initial/Continuing Calibration CRDL Standards Blanks Interference Check Sample Spike Recoveries Lab Duplicate Lab Control Sample ICP Serial Dilutions Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Times Calibration Lab Control Samples Blanks Spike Recoveries Lab Duplicates	Completeness of Pkg Sample Condition Holding Time Canister Certification Lab Control Sample Instrument Tuning Blanks Initial Calibration & System Performance Daily Calibration Field Duplicate

The laboratory may also use various letters and symbols to flag analytical results generated when QC limits were exceeded. The meanings of these flags may differ from those used by the independent data validator. Those used by the laboratory are provided with the analytical results.

NOTE: The assignment of data qualifiers by the data reviewer (validator) to laboratory analytical results should not necessarily be interpreted by the data user as a measure of laboratory ability or proficiency. Rather, the qualifiers are intended to provide a measure of data accuracy and precision to the data user, which, for example, may provide a level of confidence in determining whether or not standards or cleanup objectives have been met.

- U** The analyte was analyzed for but was not detected at or above the sample quantitation limit.
- J** The analyte was positively identified; the associated numerical value is the *approximate* concentration of the analyte in the sample. (The magnitude of any \pm value associated with the result is not determined by data validation).
- UJ** The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is *approximate* and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R** The sample result is rejected (i.e., is unusable) due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
- N** The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
- JN** The analyte is considered to be "presumptively present." The associated numerical value represents its *approximate* concentration.

The validated analytical results are attached to this report. Validation qualifiers (flags) are indicated using red ink. Data sheets having qualified data are signed and dated by the data reviewer.

6.0 RESULTS OF THE DATA REVIEW

The results of the data review are summarized in Tables 6-1 through 6-6. The tables list the samples where QC criteria were found to exceed acceptable limits and the actions taken to qualify the associated analytical results.

7.0 TOTAL USABLE DATA

For SDG 1600232, one sample was analyzed and results were reported for 191 analytes. Even though some results were flagged with a "J", all results (100 %) are considered usable. See the summary table for the associated QC reasons.

Table 6-1 **VOCs**

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
EP-20	Acetone	J all data 10X MB value	Detected in the method blank	No data affected
EP-20	Acetone Methylene Chloride	J detects	ICV RPD > 20 %	Sample detects are estimated
EP-20	Acetone Methylene Chloride	UJ non-detects J detects	CCV % D > 20 %	Samples are estimated

Table 6-2 **SVOCs**

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
EP-20	3-Nitroaniline 4-Chloroaniline bis(2-Chloroisopropyl)ether	"UJ"	LCS < 70 % QC limit	All samples non-detect
EP-20	2,4-Dinitrophenol	J detects	ICV > 40 %	All samples non-detect
EP-20	4,6-Dinitro-2-methylphenol n-Nitrosodiphenylamin 4-Bromopenyl-phenylether Hexachlorobenzene Hexachlorobenzene Pentachlorophenol Phenanthrene Anthracene Di-n-butylphthalate Fluoranthene	UJ non-detect J detects	IS #4 area < 50 % QC limit	Sample data is estimated

Table 6-3 Pesticides

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
EP-20	Toxaphene	J detects	ICV > 20 %	All samples non-detect

Table 6-4 PCBs

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

Table 6-5 TAL Metals

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

Table 6-6 Wet Chemistry

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

ACRONYMS

BSP	Blank Spike
CCAL	Continuing Calibration
CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification
CRDL	Contract Required Detection Limit
CRQL	Contract Required Quantitation Limit
%D	Percent Difference
ICAL	Initial Calibration
ICB	Initial Calibration Blank
IS	Internal Standard
LCS	Laboratory Control Sample
MS/MSD	Matrix Spike/Matrix Spike Duplicate
QA	Quality Assurance
QC	Quality Control
%R	Percent recovery
RPD	Relative Percent Difference
%RSD	Percent Relative Standard Deviation
TAL	Target Analyte List (metals)
TCL	Target Compound List (organics)

Appendix A

*Validated
Analytical
Results*



Accredited Analytical Resources, LLC.

ANALYTICAL REPORT

for

BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.

Manasquan, NJ 08736

Project: 255 E. 138th Street

AAR Work Order: 1600232

<u>Client Sample ID:</u>	<u>Lab Sample ID:</u>
EP-20	1600232-01
EP-20	1600232-01RE1

This data has been reviewed and accepted by:

Daniel Miguel
Technical Director

03/10/2016

New Jersey Certification Number: 12007
New York Certification Number: 11109
Pennsylvania Certification Number: 68-02799

This report shall not be reproduced, except in its entirety, without the written consent of Accredited Analytical Resources, LLC.
The test results included in this report relate only to the samples analyzed.



Case Narrative

Conformance / Non-Conformance Summary

Accredited Analytical Resources, LLC received 1 sample(s) from BRINKERHOFF ENVIRONMENTAL (Project: 255 E. 138th Street) on 02/10/2016 13:00.

All analyses were performed within the required holding time.

In the Volatile Organic analyses, the MDL level was elevated due to matrix interference.

In the Volatile Organic analyses, B6B1514-MS1/MSD1 had compounds recovered outside acceptance criteria due to matrix interference, the LCS was recovered within acceptance limits for all compounds; therefore, no further action required.

In the BNA analyses, the laboratory control sample (LCS) for Batch B6B 1101 recovered outside control limits for multiple analytes. These analytes were recovered within the house limits; therefore, the data has been reported.

In the BNA analyses, the MS/MSD for Batch B6B1101 had compounds recovered outside acceptance criteria due to matrix interference, the LCS was recovered within acceptance limits for affected compounds; therefore, no further action required.

In the Pesticide analyses, B6B1201-MS1/MSD1 had compounds recovered outside acceptance criteria due to matrix interference, the LCS was recovered within acceptance limits for all compounds; therefore, no further action required.

In the Metals analysis the recoveries of the MS/MSD were outside of acceptance criteria. The QC sample had concentrations too high to be able to determine a spike recovery. The LCS was within acceptance criteria for those compounds out in the MS/MSD. The results are included in this data package.

Except for the parameters tested AAR makes no representation as to the fitness or quality of the sample (s) taken.

"The laboratory has reviewed the quality assurance and quality control measurements for the sample analyses.

Daniel Miguel
Technical Director



Accredited Analytical Resources, LLC.
 20 PERSHING AVE, CARTERET, NJ 07008
 Tel. 732-969-6112 FAX 732-541-1383
 WEB: WWW.ACCREDITEDANALYTICAL.COM

CHAIN OF CUSTODY FORM

STATE AGENCY (CIRCLE ONE) NJ (NY) PA

PROJECT NAME: 255 E 138th Street

CONTACT: Sean Harrison

OFFICE PHONE #: 732-223-2225

OFFICE FAX #: 732-223-3666

INITIAL RESULTS TO: Sean Harrison

EMAIL FOR INVOICE: sharrison@brinkenv.com

CLIENT NAME: Brinkerhoff Environmental Services

ADDRESS: 1805 Atlantic Avenue

CITY: Mandeville

STATE: NY ZIP: 08736

AAR QUOTE # _____

AAR WORK ORDER # 1690232

P.O.# 1062188

PRES. CODE - _____

CONT. CODE - _____

COLLECTION INFORMATION						ANALYSIS										AAR SAMPLE #					
CUSTOMER SAMPLE # / ID	DATE / TIME SAMPLED	MATRIX CODE	DEPTH	# OF CONTAINERS	GRAB (G) COMP (C)	TAL FULL	TOL FULL	Hex Chrom	Tri Chrom												
ED-20	2/10/16/10:15	S	4	G		✓	✓	✓	✓												-01

MATRIX CODES: S = SOIL A = AQUEOUS GW = GROUND WATER WW = WASTE WATER SW = SURFACE WATER P = POTABLE WATER O = OIL K = SOLID X = OTHER

CONTAINER TYPE CODES: G = GLASS P = PLASTIC E = ENCORE PRESERVATIVES CODES: 1 = HCL 2 = HNO₃ 3 = H₂SO₄ 4 = NaOH 5 = OTHER

TURNAROUND TIME: (CIRCLE ONE) STANDARD 5 DAY 72 HRS. 48 HRS. 24 HRS. OTHER 1 WEEK

REPORT TYPE: RESULTS ONLY _____ REDUCED _____ FULL X EDD _____ EXCEL SPREADSHEET _____

COMMENTS: Enter NYS DEC category B data deliverable - send invoice to Brinkerhoff

COOLER TEMP: 4°C

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: Monica Norton SIGN: Monica Norton

SIGN BELOW WHEN DELIVERING SAMPLES. EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY, CUSTODY MUST BE DOCUMENTED.

RELINQUISHED BY: Print Name: <u>Monica Norton</u> Signature: <u>Monica Norton</u> Agent of: <u>BES</u> Date Received: <u>2/10/16</u> Time: <u>1300</u>	RECEIVED BY: Print Name: <u>K. MURIZ</u> Signature: <u>[Signature]</u> Agent of: <u>AAR</u>	RELINQUISHED BY:	RECEIVED BY:
RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:



ANALYSIS DATA SHEET
EPA 8260

Client: **BRINKERHOFF ENVIRONMENTAL**
 Client Sample ID: **EP-20**
 Lab Sample ID: **1600232-01**
 Project: **255 E. 138th Street**
 Work Order: **1600232**

Date Sampled:	02/10/16 10:15	Prep Date:	02/12/16 16:25	Matrix:	Soil
Percent Solids:	83.00	Prep Method:	EPA 5035A	File ID:	D14126.D
Prep Batch:	B6B1509	Sequence:	S6B1503	Analyzed:	02/12/16 16:25
Dilution:	200			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
107-02-8	Acrolein	ND	1450	2410	U
107-13-1	Acrylonitrile	ND	482	2410	U
67-64-1	Acetone	ND UJ	241	482	U
75-71-8	Dichlorodifluoromethane	ND	241	482	U
74-87-3	Chloromethane	ND	241	482	U
75-01-4	Vinyl chloride	ND	241	482	U
74-83-9	Bromomethane	ND	241	482	U
75-00-3	Chloroethane	ND	241	482	U
75-69-4	Trichlorofluoromethane	ND	241	482	U
75-35-4	1,1-Dichloroethene	ND	241	482	U
75-15-0	Carbon disulfide	ND	241	482	U
75-09-2	Methylene Chloride	ND UJ	241	482	U
156-60-5	trans-1,2-Dichloroethene	ND	241	482	U
75-34-3	1,1-Dichloroethane	ND	241	482	U
108-05-4	Vinyl acetate	ND	241	482	U
590-20-7	2,2-Dichloropropane	ND	241	482	U
78-93-3	2-Butanone	ND	241	482	U
156-59-4	cis-1,2-Dichloroethene	ND	241	482	U
67-66-3	Chloroform	ND	241	482	U
74-97-5	Bromochloromethane	ND	241	482	U
71-55-6	1,1,1-Trichloroethane	ND	241	482	U
563-58-6	1,1-Dichloropropene	ND	241	482	U
56-23-5	Carbon Tetrachloride	ND	241	482	U
107-06-2	1,2-Dichloroethane	ND	241	482	U
71-43-2	Benzene	798	241	482	D

WXP
02/16/16



**ANALYSIS DATA SHEET
EPA 8260**

Client: **BRINKERHOFF ENVIRONMENTAL**
 Client Sample ID: **EP-20**
 Lab Sample ID: **1600232-01**
 Project: **265 E. 138th Street**
 Work Order: **1600232**

Date Sampled:	02/10/16 10:15	Prep Date:	02/12/16 16:25	Matrix:	Soil
Percent Solids:	83.00	Prep Method:	EPA 5035A	File ID:	D14126.D
Prep Batch:	B6B1509	Sequence:	S6B1503	Analyzed:	02/12/16 16:25
Dilution:	200			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
79-01-6	Trichloroethene	ND	241	482	U
78-87-5	1,2-Dichloropropane	ND	241	482	U
75-27-4	Bromodichloromethane	ND	241	482	U
74-95-3	Dibromomethane	ND	241	482	U
110-75-8	2-Chloroethyl vinyl ether	ND	241	482	U
10061-01-5	cis-1,3-Dichloropropene	ND	241	482	U
108-88-3	Toluene	11700	241	482	D
10061-02-6	trans-1,3-Dichloropropene	ND	241	482	U
79-00-5	1,1,2-Trichloroethane	ND	241	482	U
108-10-1	4-Methyl-2-pentanone	ND	241	482	U
106-93-4	1,2-Dibromoethane	ND	241	482	U
591-78-6	2-Hexanone	ND	241	482	U
142-28-9	1,3-Dichloropropane	ND	241	482	U
127-18-4	Tetrachloroethene	ND	241	482	U
124-48-1	Dibromochloromethane	ND	241	482	U
100-41-4	Ethylbenzene	20400	241	482	D
108-90-7	Chlorobenzene	ND	241	482	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	241	482	U
108-38-3/106-42	m,p-Xylenes	83600	482	964	D
95-47-6	o-Xylene	42300	482	964	D
100-42-5	Styrene	ND	241	964	U
75-25-2	Bromoform	ND	241	482	U
98-82-8	Isopropylbenzene	5920	241	482	D
79-34-5	1,1,1,2-Tetrachloroethane	ND	241	482	U
96-18-4	1,2,3-Trichloropropane	ND	241	482	U



ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-20
Lab Sample ID: 1600232-01
Project: 255 E. 138th Street
Work Order: 1600232

Date Sampled:	02/10/16 10:15	Prep Date:	02/12/16 16:25	Matrix:	Soil
Percent Solids:	83.00	Prep Method:	EPA 5035A	File ID:	D14126.D
Prep Batch:	B6B1509	Sequence:	S6B1503	Analyzed:	02/12/16 16:25
Dilution:	200			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
103-65-1	n-Propyl Benzene	19400	241	482	D
108-86-1	Bromobenzene	ND	241	482	U
108-67-8	1,3,5-Trimethylbenzene	35100	241	482	D
95-49-8	2-Chlorotoluene	ND	241	482	U
106-43-4	4-Chlorotoluene	ND	241	482	U
98-06-6	tert-Butylbenzene	ND	241	482	U
95-63-6	1,2,4-Trimethylbenzene	112000	241	482	D, E
135-98-8	sec-Butylbenzene	7650	241	482	D
99-87-6	p-Isopropyltoluene	4540	241	482	D
541-73-1	1,3-Dichlorobenzene	ND	241	482	U
106-46-7	1,4-Dichlorobenzene	ND	241	482	U
104-51-8	n-Butyl Benzene	16500	241	482	D
95-50-1	1,2-Dichlorobenzene	ND	241	482	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	241	482	U
120-82-1	1,2,4-Trichlorobenzene	ND	241	482	U
87-68-3	Hexachlorobutadiene	ND	241	482	U
87-61-6	1,2,3-Trichlorobenzene	ND	241	482	U

<u>Surrogate</u>	<u>% Recovery</u>	<u>Recovery Limits</u>
1,2-Dichloroethane-d4	101%	70-130
Toluene-d8	104%	70-130
Bromofluorobenzene	109%	70-130

* Values outside of QC limits
 ND - Indicates compound analyzed for but not detected
 U - Indicates compound analyzed for but not detected
 J - Indicates estimated value for TICs and all results when detected below the RL
 B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard
 D - Indicates result is based on a dilution
 P - Greater than 25% diff. between 2 GC columns.
 MDL - Minimum detection limit
 RL - Reporting limit



ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-20
Lab Sample ID: 1600232-01RE1
Project: 255 E. 138th Street
Work Order: 1600232

Date Sampled:	02/10/16 10:15	Prep Date:	02/15/16 15:48	Matrix:	Soil
Percent Solids:	83.00	Prep Method:	EPA 5035A	File ID:	D14142.D
Prep Batch:	B6B1514	Sequence:	S6B1511	Analyzed:	02/15/16 15:48
Dilution:	1000			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
107-02-8	Acrolein	ND	7230	12000	U
107-13-1	Acrylonitrile	ND	2410	12000	U
67-64-1	Acetone	ND <i>UJ</i>	1200	2410	U
75-71-8	Dichlorodifluoromethane	ND <i>UJ</i>	1200	2410	U
74-87-3	Chloromethane	ND	1200	2410	U
75-01-4	Vinyl chloride	ND	1200	2410	U
74-83-9	Bromomethane	ND	1200	2410	U
75-00-3	Chloroethane	ND	1200	2410	U
75-69-4	Trichlorofluoromethane	ND	1200	2410	U
75-35-4	1,1-Dichloroethene	ND	1200	2410	U
75-15-0	Carbon disulfide	ND	1200	2410	U
75-09-2	Methylene Chloride	ND <i>UJ</i>	1200	2410	U
156-60-5	trans-1,2-Dichloroethene	ND	1200	2410	U
75-34-3	1,1-Dichloroethane	ND	1200	2410	U
108-05-4	Vinyl acetate	ND	1200	2410	U
590-20-7	2,2-Dichloropropane	ND	1200	2410	U
78-93-3	2-Butanone	ND	1200	2410	U
156-59-4	cis-1,2-Dichloroethene	ND	1200	2410	U
67-66-3	Chloroform	ND	1200	2410	U
74-97-5	Bromochloromethane	ND	1200	2410	U
71-55-6	1,1,1-Trichloroethane	ND	1200	2410	U
563-58-6	1,1-Dichloropropene	ND	1200	2410	U
56-23-5	Carbon Tetrachloride	ND	1200	2410	U
107-06-2	1,2-Dichloroethane	ND	1200	2410	U
71-43-2	Benzene	ND	1200	2410	U



ANALYSIS DATA SHEET
EPA 8260

Client: **BRINKERHOFF ENVIRONMENTAL**
 Client Sample ID: **EP-20**
 Lab Sample ID: **1600232-01RE1**
 Project: **255 E. 138th Street**
 Work Order: **1600232**

Date Sampled:	02/10/16 10:15	Prep Date:	02/15/16 15:48	Matrix:	Soil
Percent Solids:	83.00	Prep Method:	EPA 5035A	File ID:	D14142.D
Prep Batch:	B6B1514	Sequence:	S6B1511	Analyzed:	02/15/16 15:48
Dilution:	1000			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
79-01-6	Trichloroethene	ND	1200	2410	U
78-87-5	1,2-Dichloropropane	ND	1200	2410	U
75-27-4	Bromodichloromethane	ND	1200	2410	U
74-95-3	Dibromomethane	ND	1200	2410	U
110-75-8	2-Chloroethyl vinyl ether	ND	1200	2410	U
10061-01-5	cis-1,3-Dichloropropene	ND	1200	2410	U
108-88-3	Toluene	11300	1200	2410	D
10061-02-6	trans-1,3-Dichloropropene	ND	1200	2410	U
79-00-5	1,1,2-Trichloroethane	ND	1200	2410	U
108-10-1	4-Methyl-2-pentanone	ND	1200	2410	U
106-93-4	1,2-Dibromoethane	ND	1200	2410	U
591-78-6	2-Hexanone	ND	1200	2410	U
142-28-9	1,3-Dichloropropane	ND	1200	2410	U
127-18-4	Tetrachloroethene	ND	1200	2410	U
124-48-1	Dibromochloromethane	ND	1200	2410	U
100-41-4	Ethylbenzene	20400	1200	2410	D
108-90-7	Chlorobenzene	ND	1200	2410	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1200	2410	U
108-38-3/106-42	m,p-Xylenes	82000	2410	4820	D
95-47-6	o-Xylene	41800	2410	4820	D
100-42-5	Styrene	ND	1200	4820	U
75-25-2	Bromoform	ND	1200	2410	U
98-82-8	Isopropylbenzene	6600	1200	2410	D
79-34-5	1,1,2,2-Tetrachloroethane	ND	1200	2410	U
96-18-4	1,2,3-Trichloropropane	ND	1200	2410	U



ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-20
Lab Sample ID: 1600232-01RE1
Project: 255 E. 138th Street
Work Order: 1600232

Date Sampled:	02/10/16 10:15	Prep Date:	02/15/16 15:48	Matrix:	Soil
Percent Solids:	83.00	Prep Method:	EPA 5035A	File ID:	D14142.D
Prep Batch:	B6B1514	Sequence:	S6B1511	Analyzed:	02/15/16 15:48
Dilution:	1000			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
103-65-1	n-Propyl Benzene	20600	1200	2410	D
108-86-1	Bromobenzene	ND	1200	2410	U
108-67-8	1,3,5-Trimethylbenzene	38300	1200	2410	D
95-49-8	2-Chlorotoluene	ND	1200	2410	U
106-43-4	4-Chlorotoluene	ND	1200	2410	U
98-06-6	tert-Butylbenzene	ND	1200	2410	U
95-63-6	1,2,4-Trimethylbenzene	131000	1200	2410	D
135-98-8	sec-Butylbenzene	8720	1200	2410	D
99-87-6	p-Isopropyltoluene	4800	1200	2410	D
541-73-1	1,3-Dichlorobenzene	ND	1200	2410	U
106-46-7	1,4-Dichlorobenzene	ND	1200	2410	U
104-51-8	n-Butyl Benzene	18400	1200	2410	D
95-50-1	1,2-Dichlorobenzene	ND	1200	2410	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	1200	2410	U
120-82-1	1,2,4-Trichlorobenzene	ND	1200	2410	U
87-68-3	Hexachlorobutadiene	ND	1200	2410	U
87-61-6	1,2,3-Trichlorobenzene	ND	1200	2410	U

<u>Surrogate</u>	<u>% Recovery</u>	<u>Recovery Limits</u>
1,2-Dichloroethane-d4	106%	70-130
Toluene-d8	102%	70-130
Bromofluorobenzene	99%	70-130

* Values outside of QC limits
 ND - Indicates compound analyzed for but not detected
 U - Indicates compound analyzed for but not detected
 J - Indicates estimated value for TICs and all results when detected below the RL
 B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard
 D - Indicates result is based on a dilution
 P - Greater than 25% diff. between 2 GC columns.
 MDL - Minimum detection limit
 RL - Reporting limit



ANALYSIS DATA SHEET
EPA 8270

Client: **BRINKERHOFF ENVIRONMENTAL**
 Client Sample ID: **EP-20**
 Lab Sample ID: **1600232-01**
 Project: **255 E. 138th Street**
 Work Order: **1600232**

Date Sampled:	02/10/16 10:15	Prep Date:	02/11/16 06:45	Matrix:	Soil
Percent Solids:	83.00	Prep Method:	EPA 3550B GCMS	File ID:	F12764.D
Prep Batch:	B6B1101	Sequence:	S6B1507	Analyzed:	02/15/16 21:03
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
62-75-9	N-Nitrosodimethylamine	ND	40.1	201	U
108-95-2	Phenol	ND	40.1	201	U
111-44-4	bis(2-chloroethyl)ether	ND	40.1	201	U
95-57-8	2-Chlorophenol	ND	40.1	201	U
541-73-1	1,3-Dichlorobenzene	ND	40.1	201	U
106-46-7	1,4-Dichlorobenzene	ND	40.1	201	U
100-51-6	Benzyl alcohol	ND	40.1	201	U
95-50-1	1,2-Dichlorobenzene	ND	40.1	201	U
95-48-7	2-Methylphenol	ND	40.1	201	U
39638-32-9	bis(2-chloroisopropyl)ether	ND <i>UJ</i>	40.1	201	U
106-44-5	3 & 4-Methylphenol	ND	40.1	201	U
621-64-7	N-Nitroso-di-n-propylamine	ND	40.1	201	U
67-72-1	Hexachloroethane	ND	40.1	201	U
98-95-3	Nitrobenzene	ND	40.1	201	U
78-59-1	Isophorone	ND	40.1	201	U
88-75-5	2-Nitrophenol	ND	40.1	201	U
105-67-9	2,4-Dimethylphenol	ND	40.1	201	U
65-85-0	Benzoic acid	ND	100	401	U
111-91-1	bis(2-chloroethoxy)methane	ND	40.1	201	U
120-83-2	2,4-Dichlorophenol	ND	40.1	201	U
120-82-1	1,2,4-Trichlorobenzene	ND	40.1	201	U
91-20-3	Naphthalene	2430	40.1	201	
106-47-8	4-Chloroaniline	ND <i>UJ</i>	40.1	201	U
87-68-3	Hexachlorobutadiene	ND	40.1	201	U
59-50-7	4-Chloro-3-methylphenol	ND	40.1	201	U



ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-20
Lab Sample ID: 1600232-01
Project: 255 E. 138th Street
Work Order: 1600232

Date Sampled:	02/10/16 10:15	Prep Date:	02/11/16 06:45	Matrix:	Soil
Percent Solids:	83.00	Prep Method:	EPA 3550B GCMS	File ID:	F12764.D
Prep Batch:	B6B1101	Sequence:	S6B1507	Analyzed:	02/15/16 21:03
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
91-57-6	2-Methylnaphthylene	4050	40.1	201	
77-47-4	Hexachlorocyclopentadiene	ND	40.1	201	U
88-06-2	2,4,6-Trichlorophenol	ND	40.1	201	U
95-95-4	2,4,5-Trichlorophenol	ND	40.1	201	U
91-58-7	2-Chloronaphthalene	ND	40.1	201	U
88-74-4	2-Nitroaniline	ND	40.1	201	U
131-11-3	Dimethylphthalate	ND	40.1	201	U
208-96-8	Acenaphthylene	ND	40.1	201	U
99-09-2	3-Nitroaniline	ND <i>UJ</i>	40.1	201	U
83-32-9	Acenaphthene	ND	40.1	201	U
51-28-5	2,4-Dinitrophenol	ND	40.1	401	U
100-02-7	4-Nitrophenol	ND	40.1	201	U
132-64-9	Dibenzofuran	ND	40.1	201	U
606-20-2	2,6-Dinitrotoluene	ND	40.1	201	U
121-14-2	2,4-Dinitrotoluene	ND	40.1	201	U
84-66-2	Diethyl phthalate	ND	40.1	201	U
7005-72-3	4-Chlorophenyl-phenylether	ND	40.1	201	U
86-73-7	Fluorene	490	40.1	201	
100-01-6	4-Nitroaniline	ND	40.1	201	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	40.1	201	U
86-30-6	N-Nitrosodiphenylamine	ND	40.1	201	U
101-55-3	4-Bromophenyl-phenylether	ND	40.1	201	U
118-74-1	Hexachlorobenzene	ND	40.1	201	U
87-86-5	Pentachlorophenol	ND	40.1	201	U
85-01-8	Phenanthrene	964 <i>J</i>	40.1	201	



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 Lab Sample ID: **1600232-01**
 Project: **255 E. 138th Street**
 Work Order: **1600232**

Date Sampled:	02/10/16 10:15	Prep Date:	02/11/16 06:45	Matrix:	Soil
Percent Solids:	83.00	Prep Method:	EPA 3550B GCMS	File ID:	F12764.D
Prep Batch:	B6B1101	Sequence:	S6B1507	Analyzed:	02/15/16 21:03
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
120-12-7	Anthracene	ND <i>UJ</i>	40.1	201	U
84-74-2	Di-n-butyl phthalate	ND	40.1	201	U
206-44-0	Fluoranthene	ND ↓	40.1	201	U
129-00-0	Pyrene	396 <i>J</i>	40.1	201	
85-68-7	Butylbenzylphthalate	ND <i>UJ</i>	40.1	201	U
91-94-1	3,3'-Dichlorobenzidine	ND	100	201	U
56-55-3	Benzo[a]anthracene	ND ↓	40.1	201	U
117-81-7	bis(2-ethylhexyl)phthalate	ND ↓	40.1	201	U
218-01-9	Chrysene	ND	40.1	201	U
117-84-0	Di-n-octyl phthalate	ND	40.1	201	U
205-99-2	Benzo[b]fluoranthene	ND	40.1	201	U
207-08-9	Benzo[k]fluoranthene	ND	40.1	201	U
50-32-8	Benzo[a]pyrene	ND	40.1	201	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	40.1	201	U
53-70-3	Dibenzo(a,h)anthracene	ND	40.1	201	U
191-24-2	Benzo[ghi]perylene	ND	40.1	201	U

Surrogate	% Recovery	Recovery Limits
2-Fluorophenol	61%	30-130
Phenol-d5	71%	30-130
Nitrobenzene-d5	99%	30-130
2-Fluorobiphenyl	82%	30-130
2,4,6-Tribromophenol	91%	30-130
Terphenyl-d14	99%	30-130

WXP 10/26/16



ANALYSIS DATA SHEET

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-20
Lab Sample ID: 1600232-01
Project: 255 E. 138th Street
Work Order: 1600232

Date Sampled:	02/10/16 10:15	Prep Date:	02/12/16 05:58	Matrix:	Soil
Percent Solids:	83.00	Prep Method:	EPA 3550B	File ID:	G15425.D
Prep Batch:	B6B1201	Sequence:	S6B1501	Analyzed:	02/15/16 13:15
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
319-84-6	alpha-BHC	ND	0.795	0.795	U
319-85-7	beta-BHC	ND	0.795	0.795	U
319-86-8	delta-BHC	ND	0.795	0.795	U
58-89-9	gamma-BHC [Lindane]	ND	0.795	0.795	U
76-44-8	Heptachlor	ND	0.795	0.795	U
309-00-2	Aldrin	ND	0.795	0.795	U
1024-57-3	Heptachlor Epoxide	ND	0.795	0.795	U
959-98-8	Endosulfan I	ND	0.795	0.795	U
60-57-1	Dieldrin	ND	1.60	1.60	U
72-55-9	4,4'-DDE	ND	1.60	1.60	U
72-20-8	Endrin	ND	1.60	1.60	U
33213-65-9	Endosulfan II	ND	1.60	1.60	U
72-54-8	4,4'-DDD	ND	1.60	1.60	U
1031-07-8	Endosulfan sulfate	ND	1.60	1.60	U
50-29-3	4,4'-DDT	ND	1.60	1.60	U
72-43-5	Methoxychlor	ND	2.41	8.02	U
53494-70-5	Endrin ketone	ND	1.60	1.60	U
7421-93-4	Endrin aldehyde	ND	1.60	1.60	U
5103-71-9	alpha-Chlordane	ND	0.795	0.795	U
5566-34-7	gamma-Chlordane	ND	0.795	0.795	U
8001-35-2	Toxaphene	ND	40.1	40.1	U
12674-11-2	Aroclor-1016	ND	20.0	40.1	U



ANALYSIS DATA SHEET

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-20
Lab Sample ID: 1600232-01
Project: 265 E. 138th Street
Work Order: 1600232

Date Sampled:	02/10/16 10:15	Prep Date:	02/12/16 05:58	Matrix:	Soil
Percent Solids:	83.00	Prep Method:	EPA 3550B	File ID:	G15425.D
Prep Batch:	B6B1201	Sequence:	S6B1501	Analyzed:	02/15/16 13:15
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
11104-28-2	Aroclor-1221	ND	20.0	40.1	U
11141-16-5	Aroclor-1232	ND	20.0	40.1	U
53469-21-9	Aroclor-1242	ND	20.0	40.1	U
12672-29-6	Aroclor-1248	ND	20.0	40.1	U
11097-69-1	Aroclor-1254	ND	20.0	40.1	U
11096-82-5	Aroclor-1260	ND	20.0	40.1	U
37324-23-5	Aroclor-1262	ND	20.0	40.1	U
11100-14-4	Aroclor-1268	ND	20.0	40.1	U

<u>Surrogate</u>	<u>% Recovery</u>	<u>Recovery Limits</u>
Tetrachloro-m-xylene	79.6%	30-150
Tetrachloro-m-xylene [2C]	62.3%	30-150
Decachlorobiphenyl	83.3%	30-150
Decachlorobiphenyl [2C]	87.4%	30-150

* Values outside of QC limits
 ND - Indicates compound analyzed for but not detected
 U - Indicates compound analyzed for but not detected
 J - Indicates estimated value for TICs and all results when detected below the RL
 B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard
 D - Indicates result is based on a dilution
 P - Greater than 25% diff. between 2 GC columns.
 MDL - Minimum detection limit
 RL - Reporting limit



ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-20
Lab Sample ID: 1600232-01
Project: 255 E. 138th Street
Work Order: 1600232

Date Sampled: 02/10/16 10:15	Matrix: Soil
Percent Solids: 83.00	File ID: 021216A-017

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
7429-90-5	Aluminum	9020	24.1	24.1	1		02/11/16 11:25	EPA 3050B	02/12/16 12:20 LIT	EPA 6010
7439-97-6	Mercury	ND	0.0904	0.0904	1	U	02/11/16 11:16	EPA 7471A	02/11/16 15:37 PRT	EPA 7471
7440-36-0	Antimony	ND	4.82	4.82	1	U	02/11/16 11:25	EPA 3050B	02/12/16 12:20 LIT	EPA 6010
7440-38-2	Arsenic	1.91	1.20	1.20	1		02/11/16 11:25	EPA 3050B	02/12/16 12:20 LIT	EPA 6010
7440-39-3	Barium	54.5	24.1	24.1	1		02/11/16 11:25	EPA 3050B	02/12/16 12:20 LIT	EPA 6010
7440-41-7	Beryllium	ND	0.602	0.602	1	U	02/11/16 11:25	EPA 3050B	02/12/16 12:20 LIT	EPA 6010
7440-43-9	Cadmium	ND	0.602	0.602	1	U	02/11/16 11:25	EPA 3050B	02/12/16 12:20 LIT	EPA 6010
7440-70-2	Calcium	2410	30.1	30.1	1		02/11/16 11:25	EPA 3050B	02/12/16 12:20 LIT	EPA 6010
7440-47-3	Chromium	19.4	2.41	2.41	1		02/11/16 11:25	EPA 3050B	02/12/16 12:20 LIT	EPA 6010
7440-48-4	Cobalt	9.45	6.02	6.02	1		02/11/16 11:25	EPA 3050B	02/12/16 12:20 LIT	EPA 6010
7440-50-8	Copper	18.0	3.61	3.61	1		02/11/16 11:25	EPA 3050B	02/12/16 12:20 LIT	EPA 6010
7439-89-6	Iron	13500	30.1	30.1	1		02/11/16 11:25	EPA 3050B	02/12/16 12:20 LIT	EPA 6010
7439-92-1	Lead	9.03	1.20	1.20	1		02/11/16 11:25	EPA 3050B	02/12/16 12:20 LIT	EPA 6010
7439-95-4	Magnesium	4150	60.2	60.2	1		02/11/16 11:25	EPA 3050B	02/12/16 12:20 LIT	EPA 6010
7439-96-5	Manganese	297	2.41	2.41	1		02/11/16 11:25	EPA 3050B	02/12/16 12:20 LIT	EPA 6010
7440-02-0	Nickel	15.6	4.82	4.82	1		02/11/16 11:25	EPA 3050B	02/12/16 12:20 LIT	EPA 6010
7440-09-7	Potassium	2190	60.2	60.2	1		02/11/16 11:25	EPA 3050B	02/12/16 12:20 LIT	EPA 6010
7782-49-2	Selenium	ND	4.82	4.82	1	U	02/11/16 11:25	EPA 3050B	02/12/16 12:20 LIT	EPA 6010
7440-22-4	Silver	ND	0.602	0.602	1	U	02/11/16 11:25	EPA 3050B	02/12/16 12:20 LIT	EPA 6010
7440-23-5	Sodium	129	60.2	60.2	1		02/11/16 11:25	EPA 3050B	02/12/16 12:20 LIT	EPA 6010
7440-28-0	Thallium	ND	1.81	3.61	1	U	02/11/16 11:25	EPA 3050B	02/12/16 12:20 LIT	EPA 6010
7440-62-2	Vanadium	27.6	6.02	6.02	1		02/11/16 11:25	EPA 3050B	02/12/16 12:20 LIT	EPA 6010
7440-66-6	Zinc	46.6	7.23	7.23	1		02/11/16 11:25	EPA 3050B	02/12/16 12:20 LIT	EPA 6010

* Values outside of QC limits
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 MDL - Minimum detection limit
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ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-20
Lab Sample ID: 1600232-01
Project: 255 E. 138th Street
Work Order: 1600232

Date Sampled: 02/10/16 10:15	Matrix: Soil
Percent Solids: 83.00	File ID:

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
16065-83-1	Trivalent Chromium	19.4	2.00	2.00	1		02/11/16 11:25	[CALC]	02/12/16 13:30 HTW	[CALC]
1854-02-99	Chromium, Hexava	ND	2.41	2.41	1	U	02/11/16 08:10	SW 846 3060A	02/12/16 13:30 HTW	EPA 7196A
NA	Cyanide (total)	ND	1.20	1.20	1	U	02/12/16 08:18	EPA 9010C	02/12/16 16:04 NNM	EPA 9014

CAS NO.	Analyte	Concentration (%)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
NA	Percent Solids	83.0	0.100	0.100	1		02/11/16 09:16	Percent Solids	02/12/16 09:53 CLD	SM 2540 G

* Values outside of QC limits

ND - Indicates compound analyzed for but not detected

U - Indicates compound analyzed for but not detected

J - Indicates estimated value for TICs and all results when detected below the RL

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.

MDL - Minimum detection limit

RL - Reporting limit

Appendix B

***Laboratory
QC
Documentation***



ANALYSIS DATA SHEET

Blank

Client: **BRINKERHOFF ENVIRONMENTAL**
 Work Order: **1600232**
 Project: **255 E. 138th Street**

Matrix:	Solid	Laboratory ID:	B6B1509-BLK1	File ID:	D14119.D
Batch:	B6B1509	Prepared:	02/12/16 12:38	Analyzed:	02/12/16 12:38
Column:	1	Preparation:	EPA 5035A	Dilution:	
		Sequence:	S6B1503	Instrument:	GC/MS D

CAS NO.	COMPOUND	CONC. (ug/kg wet)	MDL	RL	Q
107-02-8	Acrolein	ND	6.00	10.0	U
107-13-1	Acrylonitrile	ND	2.00	10.0	U
67-64-1	Acetone	1.38	1.00	2.00	J
75-71-8	Dichlorodifluoromethane	ND	1.00	2.00	U
74-87-3	Chloromethane	ND	1.00	2.00	U
75-01-4	Vinyl chloride	ND	1.00	2.00	U
74-83-9	Bromomethane	ND	1.00	2.00	U
75-00-3	Chloroethane	ND	1.00	2.00	U
75-69-4	Trichlorofluoromethane	ND	1.00	2.00	U
75-35-4	1,1-Dichloroethene	ND	1.00	2.00	U
75-15-0	Carbon disulfide	ND	1.00	2.00	U
75-09-2	Methylene Chloride	ND	1.00	2.00	U
156-60-5	trans-1,2-Dichloroethene	ND	1.00	2.00	U
75-34-3	1,1-Dichloroethane	ND	1.00	2.00	U
108-05-4	Vinyl acetate	ND	1.00	2.00	U
590-20-7	2,2-Dichloropropane	ND	1.00	2.00	U
78-93-3	2-Butanone	ND	1.00	2.00	U
156-59-4	cis-1,2-Dichloroethene	ND	1.00	2.00	U
67-66-3	Chloroform	ND	1.00	2.00	U
74-97-5	Bromochloromethane	ND	1.00	2.00	U
71-55-6	1,1,1-Trichloroethane	ND	1.00	2.00	U
563-58-6	1,1-Dichloropropene	ND	1.00	2.00	U
56-23-5	Carbon Tetrachloride	ND	1.00	2.00	U
107-06-2	1,2-Dichloroethane	ND	1.00	2.00	U



ANALYSIS DATA SHEET

Blank

Client: **BRINKERHOFF ENVIRONMENTAL**
 Work Order: **1600232**
 Project: **255 E. 138th Street**

Matrix:	Solid	Laboratory ID:	B6B1514-BLK1	File ID:	D14135.D
Batch:	B6B1514	Prepared:	02/15/16 11:56	Analyzed:	02/15/16 11:56
Column:	1	Preparation:	EPA 5035A	Dilution:	
		Sequence:	S6B1511	Instrument:	GC/MS D

CAS NO.	COMPOUND	CONC. (ug/kg wet)	MDL	RL	Q
107-02-8	Acrolein	ND	6.00	10.0	U
107-13-1	Acrylonitrile	ND	2.00	10.0	U
67-64-1	Acetone	1.82	1.00	2.00	J
75-71-8	Dichlorodifluoromethane	ND	1.00	2.00	U
74-87-3	Chloromethane	ND	1.00	2.00	U
75-01-4	Vinyl chloride	ND	1.00	2.00	U
74-83-9	Bromomethane	ND	1.00	2.00	U
75-00-3	Chloroethane	ND	1.00	2.00	U
75-69-4	Trichlorofluoromethane	ND	1.00	2.00	U
75-35-4	1,1-Dichloroethene	ND	1.00	2.00	U
75-15-0	Carbon disulfide	ND	1.00	2.00	U
75-09-2	Methylene Chloride	ND	1.00	2.00	U
156-60-5	trans-1,2-Dichloroethene	ND	1.00	2.00	U
75-34-3	1,1-Dichloroethane	ND	1.00	2.00	U
108-05-4	Vinyl acetate	ND	1.00	2.00	U
590-20-7	2,2-Dichloropropane	ND	1.00	2.00	U
78-93-3	2-Butanone	ND	1.00	2.00	U
156-59-4	cis-1,2-Dichloroethene	ND	1.00	2.00	U
67-66-3	Chloroform	ND	1.00	2.00	U
74-97-5	Bromochloromethane	ND	1.00	2.00	U
71-55-6	1,1,1-Trichloroethane	ND	1.00	2.00	U
563-58-6	1,1-Dichloropropene	ND	1.00	2.00	U
56-23-5	Carbon Tetrachloride	ND	1.00	2.00	U
107-06-2	1,2-Dichloroethane	ND	1.00	2.00	U



INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
 Work Order: 1600232
 Project: 255 E. 138th Street

Calibration:	16B0103	Instrument:	GC/MS D
		Calibration Date:	1/13/2016 11:35:31AM

COMPOUND	Mean RF	RF RSD	LIMIT	Q
Acrolein	6.146128E-02	2.874927		
Acrylonitrile	9.505254E-02	2.358214		
Acetone	0.1778063	59.26062		
Dichlorodifluoromethane	0.5333261	17.26882		
Chloromethane	1.153629	9.137487	SPCC (0.1)	
Vinyl chloride	1.245641	9.424884	CCC (20)	
Bromomethane	0.7822435	11.38695		
Chloroethane	1.176548	6.09933		
Trichlorofluoromethane	1.0037	8.597675		
Freon 113	0.8410225	6.228804		
1,1-Dichloroethene	1.120028	3.380351	CCC (20)	
Carbon disulfide	3.07762	7.204676		
Methyl Acetate	0.2602978	6.33881		
Methylene Chloride	1.385801	67.43246		
trans-1,2-Dichloroethene	0.9362637	4.912988		
1,1-Dichloroethane	1.156806	2.641378	SPCC (0.1)	
Vinyl acetate	0.8754107	5.917131		
2,2-Dichloropropane	0.7630224	7.937198		
2-Butanone	0.1718998	7.447569		
cis-1,2-Dichloroethene	0.8550773	6.269108		
Chloroform	0.7789182	2.767641	CCC (20)	
Bromochloromethane	0.2812929	3.261028		
Cyclohexane	1.473515	1.914229		
1,1,1-Trichloroethane	0.6140631	3.608313		
t-Butyl alcohol	2.480913E-02	4.360412		



CONTINUING CALIBRATION VERIFICATION
EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
 Work Order: 1600232
 Project: 255 E. 138th Street

Instrument ID: GC/MS D
 Lab File ID: D14117.D
 Sequence: S6B1503
 Lab Sample ID: S6B1503-CCV1

Calibration: 16B0103
 Calibration Date: 01/13/16 11:35
 Injection Date: 02/12/16
 Injection Time: 11:28

COMPOUND	TYPE	CONC. (ug/L)		RESPONSE FACTOR			% DIFF	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acrolein	A	250	223	6.146128E-02	5.490535E-02		-10.7	
Acrylonitrile	A	250	247	9.505254E-02	9.375427E-02		-1.4	
Acetone	Q	50.0	45.1	0.1778063	0.1314346		-26.1	
Dichlorodifluoromethane	Q	50.0	47.0	0.5333261	0.4282164		-19.7	
Chloromethane	A	50.0	41.2	1.153629	0.9496318	0.1	-17.7	
Vinyl chloride	A	50.0	42.7	1.246641	1.063976		-14.6	20
Bromomethane	A	50.0	45.8	0.7822435	0.7165441		-8.4	
Chloroethane	A	50.0	40.1	1.176548	0.9444466		-19.7	
Trichlorofluoromethane	A	50.0	44.0	1.0037	0.8832747		-12.0	
Freon 113	A	50.0	40.2	0.8410225	0.6757503		-19.7	
1,1-Dichloroethene	A	50.0	49.8	1.120028	1.115085		-0.4	20
Carbon disulfide	A	50.0	44.3	3.07762	2.728132		-11.4	
Methyl Acetate	A	50.0	44.5	0.2602978	0.2317579		-11.0	
Methylene Chloride	L	50.0	46.5	1.385801	0.8511453		-38.6	
trans-1,2-Dichloroethene	A	50.0	49.4	0.9362637	0.9247146		-1.2	
1,1-Dichloroethane	A	50.0	49.3	1.156806	1.141051	0.1	-1.4	
Vinyl acetate	A	50.0	48.1	0.8754107	0.8425756		-3.8	
2,2-Dichloropropane	A	50.0	47.6	0.7630224	0.7269221		-4.7	
2-Butanone	A	50.0	51.5	0.1718998	0.1769997		3.0	
cis-1,2-Dichloroethene	A	50.0	47.2	0.8550773	0.8063185		-5.7	
Chloroform	A	50.0	48.4	0.7789182	0.7545316		-3.1	20
Bromochloromethane	A	50.0	49.2	0.2812929	0.276914		-1.6	
Cyclohexane	A	50.0	41.8	1.473515	1.232148		-16.4	



CONTINUING CALIBRATION VERIFICATION

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
 Work Order: 1600232
 Project: 255 E. 138th Street

Instrument ID: GC/MS D	Calibration: 16B0103
Lab File ID: D14133.D	Calibration Date: 01/13/16 11:35
Sequence: S6B1511	Injection Date: 02/15/16
Lab Sample ID: S6B1511-CCV1	Injection Time: 10:53

COMPOUND	TYPE	CONC. (ug/L)		RESPONSE FACTOR			% DIFF	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acrolein	A	250	217	6.146128E-02	5.336311E-02		-13.2	
Acrylonitrile	A	250	243	9.505254E-02	9.247205E-02		-2.7	
Acetone	Q	50.0	44.1	0.1778063	0.1286308		-27.7	
Dichlorodifluoromethane	Q	50.0	45.0	0.5333261	0.4091782		-23.3	
Chloromethane	A	50.0	41.4	1.153629	0.9549051	0.1	-17.2	
Vinyl chloride	A	50.0	42.7	1.245641	1.064389		-14.6	20
Bromomethane	A	50.0	45.6	0.7822435	0.7141234		-8.7	
Chloroethane	A	50.0	42.0	1.176548	0.9887039		-16.0	
Trichlorofluoromethane	A	50.0	45.0	1.0037	0.9027594		-10.1	
Freon 113	A	50.0	40.0	0.8410225	0.6731661		-20.0	
1,1-Dichloroethene	A	50.0	50.0	1.120028	1.120932		0.08	20
Carbon disulfide	A	50.0	44.3	3.07762	2.725273		-11.4	
Methyl Acetate	A	50.0	45.6	0.2602978	0.237341		-8.8	
Methylene Chloride	L	50.0	47.8	1.385801	0.872034		-37.1	
trans-1,2-Dichloroethene	A	50.0	49.5	0.9362637	0.9270695		-1.0	
1,1-Dichloroethane	A	50.0	47.8	1.156806	1.106476	0.1	-4.4	
Vinyl acetate	A	50.0	48.4	0.8754107	0.847398		-3.2	
2,2-Dichloropropane	A	50.0	49.0	0.7630224	0.7472614		-2.1	
2-Butanone	A	50.0	52.5	0.1718998	0.1803952		4.9	
cis-1,2-Dichloroethene	A	50.0	47.5	0.8550773	0.8125219		-5.0	
Chloroform	A	50.0	48.0	0.7789182	0.7479246		-4.0	20
Bromochloromethane	A	50.0	47.9	0.2812929	0.2695619		-4.2	
Cyclohexane	A	50.0	41.4	1.473515	1.218835		-17.3	



LCS / LCS DUPLICATE RECOVERY

EPA 8270

Client: **BRINKERHOFF ENVIRONMENTAL**
 Project: **255 E. 138th Street**
 Work Order: **1600232**

Matrix:	Solid	Prep Method:	EPA 3550B GCMS
Prep Batch:	B6B1101	Lab Sample ID:	B6B1101-BS1

ANALYTE	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC.	QC LIMITS REC.
Pyridine	1670	891	53	20 - 160
N-Nitrosodimethylamine	1670	1070	64	20 - 160
Aniline	1670	928	56	20 - 160
Phenol	1670	1260	76	20 - 160
bis(2-chloroethyl)ether	1670	1260	76	70 - 130
2-Chlorophenol	1670	1350	81	70 - 130
1,3-Dichlorobenzene	1670	1260	76	70 - 130
1,4-Dichlorobenzene	1670	1290	77	70 - 130
Benzyl alcohol	1670	1310	78	20 - 160
1,2-Dichlorobenzene	1670	1260	75	70 - 130
2-Methylphenol	1670	1320	79	20 - 160
bis(2-chloroisopropyl)ether	1670	1140	69	70 - 130
3 & 4-Methylphenol	1670	1380	83	20 - 160
N-Nitroso-di-n-propylamine	1670	1290	77	70 - 130
Hexachloroethane	1670	1270	76	20 - 160
Nitrobenzene	1670	1340	80	70 - 130
Isophorone	1670	1340	81	70 - 130
2-Nitrophenol	1670	1340	81	70 - 130
2,4-Dimethylphenol	1670	1410	85	70 - 130
bis(2-chloroethoxy)methane	1670	1340	80	70 - 130
2,4-Dichlorophenol	1670	1460	87	70 - 130
1,2,4-Trichlorobenzene	1670	1390	83	70 - 130
Naphthalene	1670	1330	80	70 - 130
4-Chloroaniline	1670	282	17	70 - 130
Hexachlorobutadiene	1670	1390	84	70 - 130
4-Chloro-3-methylphenol	1670	1430	86	70 - 130
2-Methylnaphthylene	1670	1400	84	70 - 130
Hexachlorocyclopentadiene	1670	1200	72	20 - 160



LCS / LCS DUPLICATE RECOVERY

EPA 8270

Client: **BRINKERHOFF ENVIRONMENTAL**
 Project: **255 E. 138th Street**
 Work Order: **1600232**

Matrix:	Solid	Prep Method:	EPA 3550B GCMS
Prep Batch:	B6B1101	Lab Sample ID:	B6B1101-BS1

ANALYTE	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC.	QC LIMITS REC.
2,4,6-Trichlorophenol	1670	1450	87	70 - 130
2,4,5-Trichlorophenol	1670	1470	88	70 - 130
2-Chloronaphthalene	1670	1420	85	70 - 130
2-Nitroaniline	1670	1350	81	70 - 130
Dimethylphthalate	1670	1520	91	70 - 130
Acenaphthylene	1670	1440	86	70 - 130
3-Nitroaniline	1670	823	49*	70 - 130
Acenaphthene	1670	1410	85	70 - 130
2,4-Dinitrophenol	1670	871	52	20 - 160
4-Nitrophenol	1670	1360	82	20 - 160
Dibenzofuran	1670	1430	86	70 - 130
2,6-Dinitrotoluene	1670	1480	89	70 - 130
2,4-Dinitrotoluene	1670	1500	90	70 - 130
2,3,4,6-Tetrachlorophenol	1670	1390	84	70 - 130
Diethyl phthalate	1670	1480	89	70 - 130
4-Chlorophenyl-phenylether	1670	1470	88	70 - 130
Fluorene	1670	1460	88	70 - 130
4-Nitroaniline	1670	1280	77	70 - 130
4,6-Dinitro-2-methylphenol	1670	1290	77	70 - 130
Carbazole	1670	1430	86	70 - 130
N-Nitrosodiphenylamine	1670	1490	89	20 - 160
Azobenzene	1670	1420	85	70 - 130
4-Bromophenyl-phenylether	1670	1540	92	70 - 130
Hexachlorobenzene	1670	1470	88	70 - 130
Pentachlorophenol	1670	1290	77	20 - 160
Phenanthrene	1670	1450	87	70 - 130
Anthracene	1670	1460	87	70 - 130
Di-n-butyl phthalate	1670	1490	89	70 - 130



INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
 Work Order: 1600232
 Project: 255 E. 138th Street
 Sequence: S6B1507

Instrument: GC/MS F
 Calibration: 15L3002

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S6B1507-CCV1)			<i>Lab File ID: F12752.D</i>		<i>Analyzed: 02/15/16 12:05</i>				
1,4-Dichlorobenzene-d4	125649	10.11	101062	10.33	124	50 - 200	-0.2200	+/-0.50	
Naphthalene-d8	537006	13.31	433169	13.53	124	50 - 200	-0.2200	+/-0.50	
Acenaphthene-d10	261121	17.82	213139	18.07	123	50 - 200	-0.2500	+/-0.50	
Phenanthrene-d10	491020	21.57	419254	21.82	117	50 - 200	-0.2500	+/-0.50	
Chrysene-d12	503630	28.38	437951	28.64	115	50 - 200	-0.2600	+/-0.50	
Perylene-d12	444052	31.76	447675	32.04	99	50 - 200	-0.2800	+/-0.50	
LCS (B6B1101-BS1)			<i>Lab File ID: F12754.D</i>		<i>Analyzed: 02/15/16 13:35</i>				
1,4-Dichlorobenzene-d4	123410	10.11	125649	10.11	98	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	520687	13.3	537006	13.31	97	50 - 200	-0.0100	+/-0.50	
Acenaphthene-d10	262067	17.83	261121	17.82	100	50 - 200	0.0100	+/-0.50	
Phenanthrene-d10	508636	21.56	491020	21.57	104	50 - 200	-0.0100	+/-0.50	
Chrysene-d12	514569	28.37	503630	28.38	102	50 - 200	-0.0100	+/-0.50	
Perylene-d12	464087	31.76	444052	31.76	105	50 - 200	0.0000	+/-0.50	
EP-20 (1600232-01)			<i>Lab File ID: F12764.D</i>		<i>Analyzed: 02/15/16 21:03</i>				
1,4-Dichlorobenzene-d4	175009	10.18	125649	10.11	139	50 - 200	0.0700	+/-0.50	
Naphthalene-d8	524043	13.41	537006	13.31	98	50 - 200	0.1000	+/-0.50	
Acenaphthene-d10	214727	18.05	261121	17.82	82	50 - 200	0.2300	+/-0.50	
Phenanthrene-d10	228113	21.87	491020	21.57	46	50 - 200	0.3000	+/-0.50	*
Chrysene-d12	566782	28.49	503630	28.38	113	50 - 200	0.1100	+/-0.50	
Perylene-d12	265465	31.78	444052	31.76	60	50 - 200	0.0200	+/-0.50	



INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
 Work Order: 1800232
 Project: 255 E. 138th Street

Calibration:	15L3002	Instrument:	GC/MS F
		Calibration Date:	12/22/2015 1:51:54PM

COMPOUND	Mean RF	RF RSD	LIMIT	Q
Naphthalene	0.9954514	4.290123		
4-Chloroaniline	0.487136	3.510766		
Hexachlorobutadiene	0.154921	1.769318	CCC (20)	
Caprolactam	0.1575413	2.51416		
4-Chloro-3-methylphenol	0.3118418	3.176369	CCC (20)	
2-Methylnaphthylene	0.6400064	5.017323		
1,2,4,5-Tetrachlorobenzene	0.6423111	1.905944		
Hexachlorocyclopentadiene	0.3332057	14.56752	SPCC (0.05)	
2,4,6-Trichlorophenol	0.4261157	7.38408	CCC (20)	
2,4,5-Trichlorophenol	0.4480218	7.417993		
2-Chloronaphthalene	1.216925	7.376346		
1,1-Biphenyl	1.536324	8.43898		
2-Nitroaniline	0.4432965	2.288186		
Dimethylphthalate	1.469375	8.636617		
Acenaphthylene	2.02203	5.906467		
3-Nitroaniline	0.5062843	1.208112		
Acenaphthene	1.217219	4.587288	CCC (20)	
2,4-Dinitrophenol	0.2096832	45.58368	SPCC (0.05)	
4-Nitrophenol	0.1413368	10.34051	SPCC (0.05)	
Dibenzofuran	1.770505	3.387765		
2,6-Dinitrotoluene	0.4035566	2.938367		
2,4-Dinitrotoluene	0.5469369	3.708114		
2,3,4,6-Tetrachlorophenol	0.3894136	7.946023		
Diethyl phthalate	1.525043	12.23676		
4-Chlorophenyl-phenylether	0.6447032	3.762906		



INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8081/8082

Client: **BRINKERHOFF ENVIRONMENTAL**
 Work Order: **1600232**
 Project: **255 E. 138th Street**

Calibration:	16B1504	Instrument:	GCECD_GHF
		Calibration Date:	2/10/2016 4:39:22PM

COMPOUND	Mean RF	RF RSD	LIMIT	Q
4,4'-DDD [2C]	1.952284E+07	8.749134	CCC (20)	
Endosulfan sulfate	2.233566E+07	5.358078	CCC (20)	
Endosulfan sulfate [2C]	2.27904E+07	9.093354	CCC (20)	
4,4'-DDT	2.107143E+07	3.099258	CCC (20)	
4,4'-DDT [2C]	2.271741E+07	10.087	CCC (20)	
Methoxychlor	1.236933E+07	15.48153	CCC (20)	
Methoxychlor [2C]	9145544	8.148411	CCC (20)	
Endrin ketone	2.576447E+07	6.199861	CCC (20)	
Endrin ketone [2C]	2.695313E+07	9.387702	CCC (20)	
Endrin aldehyde	2.105299E+07	13.33673	CCC (20)	
Endrin aldehyde [2C]	2.108623E+07	14.90703	CCC (20)	
alpha-Chlordane	2.682822E+07	8.350516	CCC (20)	
alpha-Chlordane [2C]	3.16354E+07	11.54459	CCC (20)	
gamma-Chlordane	2.690469E+07	7.183773	CCC (20)	
gamma-Chlordane [2C]	3.239219E+07	13.44882	CCC (20)	
Toxaphene	291024.5	38.64067	CCC (20)	*
Toxaphene (1)	322859.7	38.85821	CCC (20)	*
Toxaphene (2)	324264.1	43.30058	CCC (20)	*
Toxaphene (3)	403165.7	32.44506	CCC (20)	*
Toxaphene (4)	113808.4	48.22711	CCC (20)	*
Toxaphene [2C]	603970.7	32.60889	CCC (20)	*
Toxaphene (1) [2C]	400112.4	35.41241	CCC (20)	*
Toxaphene (2) [2C]	1007137	31.91677	CCC (20)	*
Toxaphene (3) [2C]	517604.2	36.17791	CCC (20)	*
Toxaphene (4) [2C]	491028.6	28.06292	CCC (20)	*

Appendix C

Validator Qualifications

KENNETH R. APPLIN
Geochemist/Data Validator

Ph.D., Geochemistry and Mineralogy, The Pennsylvania State University

M.S., Geochemistry and Mineralogy, The Pennsylvania State University

B.A., Geological Sciences, SUNY at Geneseo, NY

Dr. Applin has over 35 years of experience working with the geochemistry of natural waters. His prior experience includes working as an Assistant Professor of Geology at the University of Missouri-Columbia and as Chief Hydrogeologist and Geochemist with a leading engineering firm in Rochester, NY. In 1993, he established KR Applin and Associates, a small consulting business that focuses on the geochemistry of natural waters, especially as applied to problems involving the contamination of groundwater and surface water.

Dr. Applin is also an experienced analytical data validator and has provided data validation services since 1994 to a variety of clients performing brownfield cleanup projects, hazardous waste remediation, groundwater monitoring at solid waste facilities, and other projects requiring third-party data validation. Dr. Applin has several years of hands-on experience with the laboratory analysis of natural waters and has successfully completed the USEPA Region II certification courses for performing inorganic and organic analytical data validation.

MICHAEL K. PERRY
Chemist/Data Validator

B.S. Chemistry, Georgia State University, Atlanta, GA

A.A.S., Chemical Technology, Alfred State College, Alfred, NY

Mr. Perry has over 30 years of experience in the analytical laboratory business. During his early career, he spent several years as a laboratory analyst performing the analysis of soil, water, and air samples for inorganic and organic chemical parameters. During his last 20 years in the environmental laboratory business, he managed and directed two major analytical laboratories in Rochester, NY. His management responsibilities included oversight of the daily operations of the lab, staff training and supervision, the selection, purchase, and maintenance of analytical instruments, the introduction of new laboratory methods, analytical quality assurance and quality control, data acquisition and management, and other business-related activities.

Mr. Perry has an extensive working knowledge of the methods and procedures used for sampling and analyzing both inorganic and organic analytes in soil, water, and air. He is an accomplished laboratory chemist and is familiar with the analytical methods and procedures established under the USEPA Contract Laboratory Protocols (CLP), the NYSDEC Analytical Services Protocols (ASP), and the NYSDOH Environmental Laboratory Approval Program (ELAP).

DATA USABILITY SUMMARY REPORT (DUSR)

**Former G & C Services
255 East 138th Street
Bronx, NY
NYSDEC BCP # C203057**

SDG: 1601375
1 Soil Sample

Prepared for:

**Brinkerhoff Environmental Services, Inc.
1805 Atlantic Avenue
Manasquan, NJ 08736**

October 2016



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APPENDIX A	Validated Analytical Results
APPENDIX B	Laboratory QC Documentation
APPENDIX C	Validator Qualifications

Tables

Table 4-1	Data Validation Guidance Documents
Table 4-2	Quality Control Criteria for Validating Laboratory Analytical Data

Summaries of Validated Results

Table 6-1	VOCs
Table 6-2	SVOCs
Table 6-3	Pesticides
Table 6-4	PCBs
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Table 6-6	Wet Chemistry

REVIEWER'S NARRATIVE
SDG 1601375

The data associated with this Sample Delivery Group (SDG) 1601375, analyzed by Accredited Analytical Resources, LLC, Carteret, NJ have been reviewed in accordance with assessment criteria provided by the New York State Department of Environmental Conservation following the review procedures provided in the USEPA Functional Guidelines for evaluating organic and inorganic data.

All analytical results reported by the laboratory are considered valid and acceptable except results that have been qualified as rejected, "R". Results qualified as estimated "J", or as non-detects, "U", are considered usable for the purpose of evaluating water and/or soil quality. However, these qualifiers indicate that the accuracy and/or precision of the analytical result is questionable. A summary of all data that have been qualified and the reasons for qualification are provided in the following data usability summary report (DUSR).

Two facts should be noted by all data users. First, the "R" qualifier means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the analyte is present or not. Values qualified with an "R" should not appear on the final data tables because they cannot be relied upon, even as the last resort. Second, no analyte concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error.

Reviewer's Signature: Michael K. Perry Date: 10/20/16
Michael K. Perry
Chemist

1.0 SUMMARY

SITE: 255 East 138th Street.
Bronx, NY

SAMPLING DATE: July 21, 2016

SAMPLE TYPE: 1 soil sample

LABORATORY: Accredited Analytical Resources, LLC.
Carteret, NJ

SDG No.: 1601375

2.0 INTRODUCTION

This data usability summary report (DUSR) was prepared in accordance with guidance provided by the New York State Department of Environmental Conservation (NYSDEC). The DUSR is based on a review and evaluation of the laboratory analytical data package. Specifically, the NYSDEC guidance recommends review and evaluation of the following elements of the data package:

- Completeness of the data package as defined under the requirements of the NYSDEC Analytical Services Protocols (ASP) Category B or the United States Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) deliverables,
- Compliance with established analyte holding times,
- Adherence to quality control (QC) limits and specifications for blanks, instrument tuning and calibration, surrogate recoveries, spike recoveries, laboratory duplicate analyses, and other QC criteria,
- Adherence to established analytical protocols,
- Conformance of data summary sheets with raw analytical data, and
- Use of correct data qualifiers.

Data deficiencies, analytical protocol deviations, and quality control problems identified using the review criteria above and their effect on the analytical results are discussed in this report.

3.0 SAMPLE AND ANALYSIS SUMMARY

The data package consists of analytical results for one soil sample collected on July 21, 2016. This sample was analyzed for volatile organic compounds, semi-volatile organic compounds, pesticides, polychlorinated biphenyls (PCBs), TAL metals, hexavalent chromium, and total cyanide.

All laboratory analyses were performed by Accredited Analytical Resources, LLC., Carteret, NJ and analyzed as SDG 1601375. The analytical results were provided in NYSDEC ASP Category B format, which includes all raw analytical data and laboratory QC data.

4.0 GUIDANCE DOCUMENTS AND DATA REVIEW CRITERIA

The guidance documents used for reviewing laboratory quality control (QC) data and assigning data qualifiers (flags) to analytical results are listed in Table 4-1. The QC limits established in the documents applicable to this data review were used to assess the quality of the analytical results. In some cases, however, QC limits established internally by the laboratory were taken into account to determine data quality.

The QC criteria considered for assessing the usability of the reported analytical results provided for each analyte type (i.e. VOCs, SVOCs, metals, etc.) are listed in Table 4-2. These criteria may vary with the analytical method utilized by the laboratory. These criteria comply with the guidance recommended in Section 2.0 above.

5.0 DATA VALIDATION QUALIFIERS

The letter qualifiers (flags) used to define data usability are described briefly below. These letters are assigned by the data validator to analytical results having questionable accuracy and/or precision as determined by reviewing the laboratory QC data associated with the analytical results.

TABLE 4-1**DATA VALIDATION GUIDANCE DOCUMENTS**

Analyte Type	Validation Guidance
VOCs	USEPA, 2008, Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry; SW-846 Method 8260B; SOP # HW-24, Rev. 2. USEPA, 2008, Statement of Work for Organic Analysis of Low/Medium Concentration of Volatile Organic Compounds SOM01.2; SOP HW-33, Rev. 2.
SVOCs	USEPA, 2007, Statement of Work for Organic Analysis of Low/Medium Concentration of Semivolatile Organic Compounds SOM01.2; SOP HW-35, Rev. 1.
Pesticides/PCBs	USEPA, 2006, CLP Organics Data Review and Preliminary Review (CLP/SOW OLMO 4.3); SOP # HW-6, Rev. 14, Part C.
Metals	USEPA, 2006, Validation of Metals for the Contract Laboratory Program (CLP) based on SOW ILMO 5.3 (SOP Revision 13), SOP # HW-2, Rev. 13.
Gen Chemistry	NYSDEC, 2005, Analytical Services Protocols (ASP)
VOCs (Ambient air)	USEPA, 2006, Validating Air Samples, Volatile Organic Analysis of Ambient Air in Canister by Method TO-15; SOP # HW-31, Rev. 4.

TABLE 4-2

**QUALITY CONTROL CRITERIA USED FOR VALIDATING
LABORATORY ANALYTICAL DATA**

VOCs	SVOCs	Pesticides/PCBs	Metals	Gen Chemistry	Method TO-15
Completeness of Pkg Sample Condition Holding Time System Monitoring Compounds Lab Control Sample Matrix Spikes Blanks Instrument Tuning Internal Standards Initial Calibration Continuing Calibration Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Time Surrogate Recoveries Lab Control Sample Matrix Spikes Blanks Instrument Tuning Internal Standards Initial Calibration Continuing Calibration Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Time Surrogate Recoveries Matrix Spikes Blanks Instrument Calibration & Verification Analyte ID Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Time Initial/Continuing Calibration CRDL Standards Blanks Interference Check Sample Spike Recoveries Lab Duplicate Lab Control Sample ICP Serial Dilutions Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Times Calibration Lab Control Samples Blanks Spike Recoveries Lab Duplicates	Completeness of Pkg Sample Condition Holding Time Canister Certification Lab Control Sample Instrument Tuning Blanks Initial Calibration & System Performance Daily Calibration Field Duplicate

The laboratory may also use various letters and symbols to flag analytical results generated when QC limits were exceeded. The meanings of these flags may differ from those used by the independent data validator. Those used by the laboratory are provided with the analytical results.

NOTE: The assignment of data qualifiers by the data reviewer (validator) to laboratory analytical results should not necessarily be interpreted by the data user as a measure of laboratory ability or proficiency. Rather, the qualifiers are intended to provide a measure of data accuracy and precision to the data user, which, for example, may provide a level of confidence in determining whether or not standards or cleanup objectives have been met.

- U** The analyte was analyzed for but was not detected at or above the sample quantitation limit.
- J** The analyte was positively identified; the associated numerical value is the *approximate* concentration of the analyte in the sample. (The magnitude of any \pm value associated with the result is not determined by data validation).
- UJ** The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is *approximate* and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R** The sample result is rejected (i.e., is unusable) due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
- N** The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
- JN** The analyte is considered to be "presumptively present." The associated numerical value represents its *approximate* concentration.

The validated analytical results are attached to this report. Validation qualifiers (flags) are indicated using red ink. Data sheets having qualified data are signed and dated by the data reviewer.

6.0 RESULTS OF THE DATA REVIEW

The results of the data review are summarized in Tables 6-1 through 6-6. The tables list the samples where QC criteria were found to exceed acceptable limits and the actions taken to qualify the associated analytical results.

7.0 TOTAL USABLE DATA

For SDG 1601375, one sample was analyzed and results were reported for 191 analytes. Twenty results were rejected. Even though some results were flagged with a "J" as estimated, all other results (90 %) are considered usable. See the summary table for the analyses that have been rejected and the associated QC reasons.

Table 6-1 VOCs

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
EP-21 EP-21RE	All	J detects	1,4-DCE-d4 > 130%	All detects are estimated
EP-21 EP-21RE	Isopropylbenzene 1,12,2-Tetrachlorobenzene 1,2,3-Trichloropropane n-Propylbenzene Bromobenzene 1,3,5-Trimethylbenzene 2-Chlorotoluene 4-Chlorotoluene tert-Butylbenzene 1,2,4-Trimethylbenzene sec-Butylbenzene p-Isopropyltoluene 1,3-Dichlorobenzene 1,4-Dichlorobenzene n-Butylbenzene 1,2-Dichlorobenzene DBCP 1,2,4-Trichlorobenzene Hexachlorobutadiene 1,2,3-Trichlorobenzene	R non-detects J detects	IS#4 area < 25 % QC limit	Non-detects are unusable, detects may be biased low
EP-21 EP-21RE	All Analytes	UJ non-detects J detects	All IS areas < 50 % QC limit	Sample data is estimated

SDG 1601375

EP-21 EP-21RE	Acetone Methylene Chloride	J detects	ICV RPD > 20 %	Sample detects are estimated
EP-21 EP-21RE	Methylene Chloride	UJ non-detects J detects	CCV % D > 20 %	Samples are estimated

Table 6-2 SVOCs

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
EP-21 EP-21RE	3-Nitroaniline	"UJ"	LCS < 70 % QC limit	All samples non-detect
EP-21 EP-21RE	2,4-Dinitrophenol	J detects	ICV > 40 %	All samples non-detect
EP-21 EP-21RE	4,6-.dinitro-2methylphenol 2,4-Dinitrophenol	UJ non-detects J detects	CCV > 40 %	All samples non-detect
EP-21	Di-n-octylphthalate Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenzo(a,h)anthracene Benzo(g,h,i)perylene	UJ non-detect J detects	IS #6 area < 50 % QC limit	Sample data is estimated

Table 6-3 Pesticides

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

Table 6-4 PCBs

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

Table 6-5 TAL Metals

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
EP-21	Vanadium	J detect	Serial dilution > 10 %	Data is estimated

Table 6-6 Wet Chemistry

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

ACRONYMS

BSP	Blank Spike
CCAL	Continuing Calibration
CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification
CRDL	Contract Required Detection Limit
CRQL	Contract Required Quantitation Limit
%D	Percent Difference
ICAL	Initial Calibration
ICB	Initial Calibration Blank
IS	Internal Standard
LCS	Laboratory Control Sample
MS/MSD	Matrix Spike/Matrix Spike Duplicate
QA	Quality Assurance
QC	Quality Control
%R	Percent recovery
RPD	Relative Percent Difference
%RSD	Percent Relative Standard Deviation
TAL	Target Analyte List (metals)
TCL	Target Compound List (organics)

Appendix A

***Validated
Analytical
Results***



Accredited Analytical Resources, LLC.

ANALYTICAL REPORT

for

BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.

Manasquan, NJ 08736

Project: 255 East 138th Street

AAR Work Order: 1601375

<u>Client Sample ID:</u>	<u>Lab Sample ID:</u>
EP-21	1601375-01
EP-21	1601375-01RE1

This data has been reviewed and accepted by:

Daniel Miguel
Technical Director

08/16/2016

New Jersey Certification Number: 12907
New York Certification Number: 11109
Pennsylvania Certification Number: 68-02799

This report shall not be reproduced, except in its entirety, without the written consent of Accredited Analytical Resources, LLC.
The test results included in this report relate only to the samples analyzed.



Case Narrative

Conformance / Non-Conformance Summary

Accredited Analytical Resources, LLC received 1 sample(s) from BRINKERHOFF ENVIRONMENTAL (Project: 255 East 138th Street) on 07/21/2016 13:40.

All analyses were performed within the required holding time.

In the Volatile Organic analyses, one surrogate (1,2-Dichloroethane-d4) was out of criteria. The sample was reanalyzed and the surrogate was again recovered out of the required criteria.

In the BNA analyses, the laboratory control sample (LCS) for Batch B6G2215 recovered outside control limits for certain analytes. These analytes were within house limits; therefore, the data has been reported.

In the BNA analyses, the MS/MSD for Batch B6G2215 had compounds recovered outside acceptance criteria due to matrix interference, the LCS was recovered within acceptance limits for affected compounds; therefore, no further action required.

In the Metals analysis the recoveries of the MS/MSD were outside of acceptance criteria due to matrix interference. The LCS was within acceptance criteria for those metals out in the MS/MSD. The results are included in this data package.

Except for the parameters tested AAR makes no representation as to the fitness or quality of the sample (s) taken.

"The laboratory has reviewed the quality assurance and quality control measurements for the sample analyses."

Daniel Miguel
Technical Director



Accredited Analytical Resources, LLC.

20 PERSHING AVE, CARTERET, NJ 07008
Tel. 732-989-6112 FAX 732-541-1383
WEB: WWW.ACCREDITEDANALYTICAL.COM

CHAIN OF CUSTODY FORM

CLIENT NAME: **Brinkerhoff Environmental**
 ADDRESS: **1805 Atlantic Ave.**
 CITY: **Manasquan**
 STATE: **NJ** ZIP: **08736**

STATE AGENCY (CIRCLE ONE): **NJ** PA
 PROJECT NAME: **255 East 138th Street**
 CONTACT: **Sean Harrison**
 OFFICE PHONE #: **(732) 223-2225**
 OFFICE FAX #: **(732) 223-3666**
 INITIAL RESULTS TO: **Sharrison@brinkenv.com**
 EMAIL FOR INVOICE: **Sharrison@brinkenv.com**

AAR QUOTE #: **1631375**
 AAR WORK ORDER #: **10BR188**
 P.O. #

ANALYSIS

COLLECTION INFORMATION

CUSTOMER SAMPLE # / ID	DATE / TIME SAMPLED	MATRIX CODE	DEPTH	# OF CONTAINERS	GRAS (S) COMP (S)	PRES. CODE	CONT. CODE	AAR SAMPLE #
EP-21	7/21/16	S	18'	4	G			-01
<div style="display: flex; justify-content: space-around;"> TALITCL Hex Chrom Tri Chrom </div>								

MATRIX CODES: S = SOIL A = AQUEOUS GW = GROUND WATER WW = WASTE WATER SW = SURFACE WATER P = POTABLE WATER O = OIL K = SOLID X = OTHER

CONTAINER TYPE CODES: G = GLASS P = PLASTIC E = ENCORE PRESERVATIVES CODES: 1 = HCL 2 = HNO₃ 3 = H₂SO₄ 4 = NaOH 5 = OTHER

TURNAROUND TIME: (CIRCLE ONE) STANDARD 5 DAY 72 HRS. **48 HRS.** 24 HRS. OTHER

REPORT TYPE: RESULTS ONLY REDUCED FULL EDD EXCEL SPREADSHEET

COMMENTS: **NYSDEC Category B Data Deliverables**

COOLER TEMP: **4°C**

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: **Jonathan Kraus** SIGN: *[Signature]*

SIGN BELOW WHEN DELIVERING SAMPLES. EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY, CUSTODY MUST BE DOCUMENTED.

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Print Name: Jonathan Kraus Signature: <i>[Signature]</i> Agent of: Brinkerhoff Date Received: 7.21.16	Print Name: K. MURIZ Signature: <i>[Signature]</i> Agent of: AAR Time: 1340		



ANALYSIS DATA SHEET
EPA 8260

Client: **BRINKERHOFF ENVIRONMENTAL**
 Client Sample ID: **EP-21**
 Lab Sample ID: **1601375-01**
 Project: **255 East 138th Street**
 Work Order: **1601375**

Date Sampled:	07/21/16 00:00	Prep Date:	07/22/16 02:59	Matrix:	Soil
Percent Solids:	81.00	Prep Method:	EPA 5035A	File ID:	A8783.D
Prep Batch:	B6G2115	Sequence:	S8G2107	Analyzed:	07/22/16 02:59
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
107-02-8	Acrolein	ND	7.78	13.0	U
107-13-1	Acrylonitrile	ND	2.59	13.0	U
67-64-1	Acetone	ND <i>US</i>	1.30	2.59	U
75-71-8	Dichlorodifluoromethane	ND	1.30	2.59	U
74-87-3	Chloromethane	ND	1.30	2.59	U
75-01-4	Vinyl chloride	ND	1.30	2.59	U
74-83-9	Bromomethane	ND	1.30	2.59	U
75-00-3	Chloroethane	ND	1.30	2.59	U
75-69-4	Trichlorofluoromethane	ND	1.30	2.59	U
75-35-4	1,1-Dichloroethene	ND	1.30	2.59	U
75-15-0	Carbon disulfide	2.10 <i>J</i>	1.30	2.59	J
75-09-2	Methylene Chloride	ND <i>US</i>	1.30	2.59	U
156-60-5	trans-1,2-Dichloroethene	ND	1.30	2.59	U
75-34-3	1,1-Dichloroethane	ND	1.30	2.59	U
108-05-4	Vinyl acetate	ND	1.30	2.59	U
590-20-7	2,2-Dichloropropane	ND	1.30	2.59	U
78-93-3	2-Butanone	ND	1.30	2.59	U
156-59-4	cis-1,2-Dichloroethene	ND	1.30	2.59	U
67-66-3	Chloroform	ND	1.30	2.59	U
74-97-5	Bromochloromethane	ND	1.30	2.59	U
71-55-6	1,1,1-Trichloroethane	ND	1.30	2.59	U
563-58-6	1,1-Dichloropropene	ND	1.30	2.59	U
56-23-5	Carbon Tetrachloride	ND	1.30	2.59	U
107-06-2	1,2-Dichloroethane	ND	1.30	2.59	U
71-43-2	Benzene	ND	1.30	2.59	U



ANALYSIS DATA SHEET
EPA 8260

Client: **BRINKERHOFF ENVIRONMENTAL**
 Client Sample ID: **EP-21**
 Lab Sample ID: **1601375-01**
 Project: **255 East 138th Street**
 Work Order: **1601375**

Date Sampled:	07/21/16 00:00	Prep Date:	07/22/16 02:59	Matrix:	Soil
Percent Solids:	81.00	Prep Method:	EPA 5035A	File ID:	A8783.D
Prep Batch:	B6G2115	Sequence:	S6G2107	Analyzed:	07/22/16 02:59
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
79-01-6	Trichloroethene	ND	1.30	2.59	U
78-87-5	1,2-Dichloropropane	ND	1.30	2.59	U
75-27-4	Bromodichloromethane	ND	1.30	2.59	U
74-95-3	Dibromomethane	ND	1.30	2.59	U
110-75-8	2-Chloroethyl vinyl ether	ND	1.30	2.59	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.30	2.59	U
108-88-3	Toluene	ND	1.30	2.59	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.30	2.59	U
79-00-5	1,1,2-Trichloroethane	ND	1.30	2.59	U
108-10-1	4-Methyl-2-pentanone	ND	1.30	2.59	U
106-93-4	1,2-Dibromoethane	ND	1.30	2.59	U
591-78-6	2-Hexanone	ND	1.30	2.59	U
142-28-9	1,3-Dichloropropane	ND	1.30	2.59	U
127-18-4	Tetrachloroethene	ND	1.30	2.59	U
124-48-1	Dibromochloromethane	ND	1.30	2.59	U
100-41-4	Ethylbenzene	ND	1.30	2.59	U
108-90-7	Chlorobenzene	ND	1.30	2.59	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.30	2.59	U
108-38-3/106-42	m,p-Xylenes	ND	2.59	5.19	U
95-47-6	o-Xylene	ND	2.59	5.19	U
100-42-5	Styrene	ND	1.30	5.19	U
75-25-2	Bromoform	ND	1.30	2.59	U
98-82-8	Isopropylbenzene	ND R	1.30	2.59	U
79-34-5	1,1,2,2-Tetrachloroethane	ND ↓	1.30	2.59	U
96-18-4	1,2,3-Trichloropropane	ND	1.30	2.59	U



ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-21
Lab Sample ID: 1601375-01
Project: 255 East 138th Street
Work Order: 1601375

Date Sampled: 07/21/16 00:00	Prep Date: 07/22/16 02:59	Matrix: Soil
Percent Solids: 81.00	Prep Method: EPA 5035A	File ID: A8783.D
Prep Batch: B6G2115	Sequence: S6G2107	Analyzed: 07/22/16 02:59
Dilution: 1		Analyst: SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
103-65-1	n-Propyl Benzene	ND <i>R</i>	1.30	2.59	U
108-86-1	Bromobenzene	ND	1.30	2.59	U
108-67-8	1,3,5-Trimethylbenzene	ND	1.30	2.59	U
95-49-8	2-Chlorotoluene	ND	1.30	2.59	U
106-43-4	4-Chlorotoluene	ND	1.30	2.59	U
98-06-6	tert-Butylbenzene	ND	1.30	2.59	U
95-63-6	1,2,4-Trimethylbenzene	ND	1.30	2.59	U
135-98-8	sec-Butylbenzene	ND	1.30	2.59	U
99-87-6	p-Isopropyltoluene	ND	1.30	2.59	U
541-73-1	1,3-Dichlorobenzene	ND	1.30	2.59	U
106-46-7	1,4-Dichlorobenzene	ND	1.30	2.59	U
104-51-8	n-Butyl Benzene	ND	1.30	2.59	U
95-50-1	1,2-Dichlorobenzene	ND	1.30	2.59	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.30	2.59	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.30	2.59	U
87-68-3	Hexachlorobutadiene	ND	1.30	2.59	U
87-61-6	1,2,3-Trichlorobenzene	ND	1.30	2.59	U

Surrogate	% Recovery	Recovery Limits
1,2-Dichloroethane-d4	100% *	70-130
Toluene-d8	101%	70-130
Bromofluorobenzene	79%	70-130

* Values outside of QC limits
 ND - Indicates compound analyzed for but not detected
 U - Indicates compound analyzed for but not detected
 J - Indicates estimated value for TICs and all results when detected below the RL
 B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard
 D - Indicates result is based on a dilution
 P - Greater than 25% diff. between 2 GC columns.
 MDL - Minimum detection limit
 RL - Reporting limit

MMH 10/20/16



ANALYSIS DATA SHEET
EPA 8260

Client: **BRINKERHOFF ENVIRONMENTAL**
 Client Sample ID: **EP-21**
 Lab Sample ID: **1601375-01RE1**
 Project: **255 East 138th Street**
 Work Order: **1601375**

Date Sampled:	07/21/16 00:00	Prep Date:	07/22/16 03:30	Matrix:	Soil
Percent Solids:	81.00	Prep Method:	EPA 5035A	File ID:	A8784.D
Prep Batch:	B6G2115	Sequence:	S6G2107	Analyzed:	07/22/16 03:30
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
107-02-8	Acrolein	ND	7.51	12.5	U
107-13-1	Acrylonitrile	ND	2.50	12.5	U
67-64-1	Acetone	ND <i>uJ</i>	1.25	2.50	U
75-71-8	Dichlorodifluoromethane	ND	1.25	2.50	U
74-87-3	Chloromethane	ND	1.25	2.50	U
75-01-4	Vinyl chloride	ND	1.25	2.50	U
74-83-9	Bromomethane	ND	1.25	2.50	U
75-00-3	Chloroethane	ND	1.25	2.50	U
75-69-4	Trichlorofluoromethane	ND	1.25	2.50	U
75-35-4	1,1-Dichloroethene	ND	1.25	2.50	U
75-15-0	Carbon disulfide	2.52 <i>J</i>	1.25	2.50	
75-09-2	Methylene Chloride	ND <i>uJ</i>	1.25	2.50	U
156-60-5	trans-1,2-Dichloroethene	ND	1.25	2.50	U
75-34-3	1,1-Dichloroethane	ND	1.25	2.50	U
108-05-4	Vinyl acetate	ND	1.25	2.50	U
590-20-7	2,2-Dichloropropane	ND	1.25	2.50	U
78-93-3	2-Butanone	ND	1.25	2.50	U
156-59-4	cis-1,2-Dichloroethene	ND	1.25	2.50	U
67-86-3	Chloroform	ND	1.25	2.50	U
74-97-5	Bromochloromethane	ND	1.25	2.50	U
71-55-6	1,1,1-Trichloroethane	ND	1.25	2.50	U
563-58-6	1,1-Dichloropropene	ND	1.25	2.50	U
56-23-5	Carbon Tetrachloride	ND	1.25	2.50	U
107-06-2	1,2-Dichloroethane	ND	1.25	2.50	U
71-43-2	Benzene	ND	1.25	2.50	U



ANALYSIS DATA SHEET
EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
 Client Sample ID: EP-21
 Lab Sample ID: 1601375-01RE1
 Project: 255 East 138th Street
 Work Order: 1601375

Date Sampled:	07/21/16 00:00	Prep Date:	07/22/16 03:30	Matrix:	Soil
Percent Solids:	81.00	Prep Method:	EPA 5035A	File ID:	A8784.D
Prep Batch:	B6G2115	Sequence:	S6G2107	Analyzed:	07/22/16 03:30
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
79-01-6	Trichloroethene	ND	1.25	2.50	U
78-87-5	1,2-Dichloropropane	ND	1.25	2.50	U
75-27-4	Bromodichloromethane	ND	1.25	2.50	U
74-95-3	Dibromomethane	ND	1.25	2.50	U
110-75-8	2-Chloroethyl vinyl ether	ND	1.25	2.50	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.25	2.50	U
108-88-3	Toluene	ND	1.25	2.50	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.25	2.50	U
79-00-5	1,1,2-Trichloroethane	ND	1.25	2.50	U
108-10-1	4-Methyl-2-pentanone	ND	1.25	2.50	U
106-93-4	1,2-Dibromoethane	ND	1.25	2.50	U
591-78-6	2-Hexanone	ND	1.25	2.50	U
142-28-9	1,3-Dichloropropane	ND	1.25	2.50	U
127-18-4	Tetrachloroethene	ND	1.25	2.50	U
124-48-1	Dibromochloromethane	ND	1.25	2.50	U
100-41-4	Ethylbenzene	ND	1.25	2.50	U
108-90-7	Chlorobenzene	ND	1.25	2.50	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.25	2.50	U
108-38-3/106-42	m,p-Xylenes	ND	2.50	5.01	U
95-47-6	o-Xylene	ND	2.50	5.01	U
100-42-5	Styrene	ND	1.25	5.01	U
75-25-2	Bromoform	ND	1.25	2.50	U
98-82-8	Isopropylbenzene	ND	1.25	2.50	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.25	2.50	U
96-18-4	1,2,3-Trichloropropane	ND	1.25	2.50	U

ND R
 ND ↓
 ND ↓



ANALYSIS DATA SHEET
EPA 8260

Client: **BRINKERHOFF ENVIRONMENTAL**
 Client Sample ID: **EP-21**
 Lab Sample ID: **1601375-01RE1**
 Project: **255 East 138th Street**
 Work Order: **1601375**

Date Sampled:	07/21/16 00:00	Prep Date:	07/22/16 03:30	Matrix:	Soil
Percent Solids:	81.00	Prep Method:	EPA 5035A	File ID:	A8784.D
Prep Batch:	B6G2115	Sequence:	S6G2107	Analyzed:	07/22/16 03:30
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
103-65-1	n-Propyl Benzene	ND ^R	1.25	2.50	U
108-86-1	Bromobenzene	ND	1.25	2.50	U
108-67-8	1,3,5-Trimethylbenzene	ND	1.25	2.50	U
95-49-8	2-Chlorotoluene	ND	1.25	2.50	U
106-43-4	4-Chlorotoluene	ND	1.25	2.50	U
98-06-6	tert-Butylbenzene	ND	1.25	2.50	U
95-63-6	1,2,4-Trimethylbenzene	ND	1.25	2.50	U
135-98-8	sec-Butylbenzene	ND	1.25	2.50	U
99-87-6	p-Isopropyltoluene	ND	1.25	2.50	U
541-73-1	1,3-Dichlorobenzene	ND	1.25	2.50	U
106-46-7	1,4-Dichlorobenzene	ND	1.25	2.50	U
104-51-8	n-Butyl Benzene	ND	1.25	2.50	U
95-50-1	1,2-Dichlorobenzene	ND	1.25	2.50	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.25	2.50	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.25	2.50	U
87-68-3	Hexachlorobutadiene	ND	1.25	2.50	U
87-61-6	1,2,3-Trichlorobenzene	ND	1.25	2.50	U

Surrogate	% Recovery	Recovery Limits
1,2-Dichloroethane-d4	181%	70-130
Toluene-d8	98%	70-130
Bromofluorobenzene	75%	70-130

* Values outside of QC limits
 ND - Indicates compound analyzed for but not detected
 U - Indicates compound analyzed for but not detected
 J - Indicates estimated value for TICs and all results when detected below the RL
 B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard
 D - Indicates result is based on a dilution
 P - Greater than 25% diff. between 2 GC columns.
 MDL - Minimum detection limit
 RL - Reporting limit



ANALYSIS DATA SHEET
EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-21
Lab Sample ID: 1601375-01
Project: 255 East 138th Street
Work Order: 1601375

Date Sampled:	07/21/16 00:00	Prep Date:	07/22/16 10:22	Matrix:	Soil
Percent Solids:	81.00	Prep Method:	EPA 3550B GCMS	File ID:	E10849.D
Prep Batch:	B8G2215	Sequence:	S8G2207	Analyzed:	07/22/16 20:35
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
62-75-9	N-Nitrosodimethylamine	ND	41.1	206	U
108-95-2	Phenol	ND	41.1	206	U
111-44-4	bis(2-chloroethyl)ether	ND	41.1	206	U
95-57-8	2-Chlorophenol	ND	41.1	206	U
541-73-1	1,3-Dichlorobenzene	ND	41.1	206	U
106-46-7	1,4-Dichlorobenzene	ND	41.1	206	U
100-51-6	Benzyl alcohol	ND	41.1	206	U
95-50-1	1,2-Dichlorobenzene	ND	41.1	206	U
95-48-7	2-Methylphenol	ND	41.1	206	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	41.1	206	U
106-44-5	3 & 4-Methylphenol	ND	41.1	206	U
621-64-7	N-Nitroso-di-n-propylamine	ND	41.1	206	U
67-72-1	Hexachloroethane	ND	41.1	206	U
98-95-3	Nitrobenzene	ND	41.1	206	U
78-59-1	Isophorone	ND	41.1	206	U
88-75-5	2-Nitrophenol	ND	41.1	206	U
105-67-9	2,4-Dimethylphenol	ND	41.1	206	U
65-85-0	Benzoic acid	ND	102	411	U
111-91-1	bis(2-chloroethoxy)methane	ND	41.1	206	U
120-83-2	2,4-Dichlorophenol	ND	41.1	206	U
120-82-1	1,2,4-Trichlorobenzene	ND	41.1	206	U
91-20-3	Naphthalene	65.3	41.1	206	J
106-47-8	4-Chloroaniline	ND	41.1	206	U
87-68-3	Hexachlorobutadiene	ND	41.1	206	U
59-50-7	4-Chloro-3-methylphenol	ND	41.1	206	U



ANALYSIS DATA SHEET
EPA 8270

Client: **BRINKERHOFF ENVIRONMENTAL**
 Client Sample ID: **EP-21**
 Lab Sample ID: **1601375-01**
 Project: **255 East 138th Street**
 Work Order: **1601375**

Date Sampled:	07/21/16 00:00	Prep Date:	07/22/16 10:22	Matrix:	Soil
Percent Solids:	81.00	Prep Method:	EPA 3550B GCMS	File ID:	E10849.D
Prep Batch:	B6G2215	Sequence:	S6G2207	Analyzed:	07/22/16 20:35
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
91-57-6	2-Methylnaphthylene	47.7	41.1	206	J
77-47-4	Hexachlorocyclopentadiene	ND	41.1	206	U
88-06-2	2,4,6-Trichlorophenol	ND	41.1	206	U
95-95-4	2,4,5-Trichlorophenol	ND	41.1	206	U
91-58-7	2-Chloronaphthalene	ND	41.1	206	U
88-74-4	2-Nitroaniline	ND	41.1	206	U
131-11-3	Dimethylphthalate	ND	41.1	206	U
208-96-8	Acenaphthylene	61.3	41.1	206	J
99-09-2	3-Nitroaniline	ND UJ	41.1	206	U
83-32-9	Acenaphthene	151	41.1	206	J
51-28-5	2,4-Dinitrophenol	ND UJ	41.1	411	U
100-02-7	4-Nitrophenol	ND	41.1	206	U
132-64-9	Dibenzofuran	96.2	41.1	206	J
606-20-2	2,6-Dinitrotoluene	ND	41.1	206	U
121-14-2	2,4-Dinitrotoluene	ND	41.1	206	U
84-66-2	Diethyl phthalate	ND	41.1	206	U
7005-72-3	4-Chlorophenyl-phenylether	ND	41.1	206	U
86-73-7	Fluorene	162	41.1	206	J
100-01-6	4-Nitroaniline	ND	41.1	206	U
534-52-1	4,6-Dinitro-2-methylphenol	ND UJ	41.1	206	U
86-30-6	N-Nitrosodiphenylamine	ND	41.1	206	U
101-55-3	4-Bromophenyl-phenylether	ND	41.1	206	U
118-74-1	Hexachlorobenzene	ND	41.1	206	U
87-86-5	Pentachlorophenol	ND	41.1	206	U
85-01-8	Phenanthrene	1510	41.1	206	



ANALYSIS DATA SHEET
EPA 8270

Client: **BRINKERHOFF ENVIRONMENTAL**
 Client Sample ID: **EP-21**
 Lab Sample ID: **1601375-01**
 Project: **255 East 138th Street**
 Work Order: **1601375**

Date Sampled:	07/21/16 00:00	Prep Date:	07/22/16 10:22	Matrix:	Soil
Percent Solids:	81.00	Prep Method:	EPA 3550B GCMS	File ID:	E10849.D
Prep Batch:	B6G2215	Sequence:	S6G2207	Analyzed:	07/22/16 20:35
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
120-12-7	Anthracene	351	41.1	206	
84-74-2	Di-n-butyl phthalate	ND	41.1	206	U
206-44-0	Fluoranthene	1760	41.1	206	
129-00-0	Pyrene	2120	41.1	206	
85-68-7	Butylbenzylphthalate	ND	41.1	206	U
91-94-1	3,3'-Dichlorobenzidine	ND	102	206	U
56-55-3	Benzo[a]anthracene	811	41.1	206	
117-81-7	bis(2-ethylhexyl)phthalate	68.5	41.1	206	J
218-01-9	Chrysene	822	41.1	206	
117-84-0	Di-n-octyl phthalate	ND <i>UJ</i>	41.1	206	U
205-99-2	Benzo[b]fluoranthene	1180 <i>J</i>	41.1	206	
207-08-9	Benzo[k]fluoranthene	505 <i>J</i>	41.1	206	
50-32-8	Benzo[a]pyrene	759 <i>J</i>	41.1	206	
193-39-5	Indeno(1,2,3-cd)pyrene	189 <i>J</i>	41.1	206	J
53-70-3	Dibenzo(a,h)anthracene	69.2 <i>J</i>	41.1	206	J
191-24-2	Benzo[ghi]perylene	189 <i>J</i>	41.1	206	J

Surrogate	% Recovery	Recovery Limits
2-Fluorophenol	59%	30-130
Phenol-d5	63%	30-130
Nitrobenzene-d5	75%	30-130
2-Fluorobiphenyl	71%	30-130
2,4,6-Tribromophenol	81%	30-130
Terphenyl-d14	108%	30-130

mmp10/26/16



ANALYSIS DATA SHEET
EPA 8270

Client: **BRINKERHOFF ENVIRONMENTAL**
 Client Sample ID: **EP-21**
 Lab Sample ID: **1601375-01RE1**
 Project: **255 East 138th Street**
 Work Order: **1601375**

Date Sampled:	07/21/16 00:00	Prep Date:	07/22/16 10:22	Matrix:	Soil
Percent Solids:	81.00	Prep Method:	EPA 3550B GCMS	File ID:	E10862.D
Prep Batch:	B6G2215	Sequence:	S6G2601	Analyzed:	07/28/16 03:33
Dilution:	5			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
62-75-9	N-Nitrosodimethylamine	ND	206	1030	U
108-95-2	Phenol	ND	206	1030	U
111-44-4	bis(2-chloroethyl)ether	ND	206	1030	U
95-57-8	2-Chlorophenol	ND	206	1030	U
541-73-1	1,3-Dichlorobenzene	ND	206	1030	U
106-46-7	1,4-Dichlorobenzene	ND	206	1030	U
100-51-6	Benzyl alcohol	ND	206	1030	U
95-50-1	1,2-Dichlorobenzene	ND	206	1030	U
95-48-7	2-Methylphenol	ND	206	1030	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	206	1030	U
106-44-5	3 & 4-Methylphenol	ND	206	1030	U
621-64-7	N-Nitroso-di-n-propylamine	ND	206	1030	U
67-72-1	Hexachloroethane	ND	206	1030	U
98-95-3	Nitrobenzene	ND	206	1030	U
78-59-1	Isophorone	ND	206	1030	U
88-75-5	2-Nitrophenol	ND	206	1030	U
105-67-9	2,4-Dimethylphenol	ND	206	1030	U
65-85-0	Benzoic acid	ND	512	2060	U
111-91-1	bis(2-chloroethoxy)methane	ND	206	1030	U
120-83-2	2,4-Dichlorophenol	ND	206	1030	U
120-82-1	1,2,4-Trichlorobenzene	ND	206	1030	U
91-20-3	Naphthalene	ND	206	1030	U
106-47-8	4-Chloroaniline	ND	206	1030	U
87-68-3	Hexachlorobutadiene	ND	206	1030	U
59-50-7	4-Chloro-3-methylphenol	ND	206	1030	U



ANALYSIS DATA SHEET
EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-21
Lab Sample ID: 1601375-01RE1
Project: 255 East 138th Street
Work Order: 1601375

Date Sampled:	07/21/16 00:00	Prep Date:	07/22/16 10:22	Matrix:	Soil
Percent Solids:	81.00	Prep Method:	EPA 3550B GCMS	File ID:	E10862.D
Prep Batch:	B6G2215	Sequence:	S6G2601	Analyzed:	07/26/16 03:33
Dilution:	5			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
91-57-6	2-Methylnaphthylene	ND	206	1030	U
77-47-4	Hexachlorocyclopentadiene	ND	206	1030	U
88-06-2	2,4,6-Trichlorophenol	ND	206	1030	U
95-95-4	2,4,5-Trichlorophenol	ND	206	1030	U
91-58-7	2-Chloronaphthalene	ND	206	1030	U
88-74-4	2-Nitroaniline	ND	206	1030	U
131-11-3	Dimethylphthalate	ND	206	1030	U
208-96-8	Acenaphthylene	ND	206	1030	U
99-09-2	3-Nitroaniline	ND UJ	206	1030	U
83-32-9	Acenaphthene	ND	206	1030	U
51-28-5	2,4-Dinitrophenol	ND UJ	206	2060	U
100-02-7	4-Nitrophenol	ND	206	1030	U
132-64-9	Dibenzofuran	ND	206	1030	U
606-20-2	2,6-Dinitrotoluene	ND	206	1030	U
121-14-2	2,4-Dinitrotoluene	ND	206	1030	U
84-66-2	Diethyl phthalate	ND	206	1030	U
7005-72-3	4-Chlorophenyl-phenylether	ND	206	1030	U
86-73-7	Fluorene	ND	206	1030	U
100-01-6	4-Nitroaniline	ND	206	1030	U
534-52-1	4,6-Dinitro-2-methylphenol	ND UJ	206	1030	U
86-30-6	N-Nitrosodiphenylamine	ND	206	1030	U
101-55-3	4-Bromophenyl-phenylether	ND	206	1030	U
118-74-1	Hexachlorobenzene	ND	206	1030	U
87-86-5	Pentachlorophenol	ND	206	1030	U
85-01-8	Phenanthrene	1650	206	1030	D

mme10/28/16



ANALYSIS DATA SHEET
EPA 8270

Client: **BRINKERHOFF ENVIRONMENTAL**
 Client Sample ID: **EP-21**
 Lab Sample ID: **1601375-01RE1**
 Project: **255 East 138th Street**
 Work Order: **1601375**

Date Sampled:	07/21/16 00:00	Prep Date:	07/22/16 10:22	Matrix:	Soil
Percent Solids:	81.00	Prep Method:	EPA 3550B GCMS	File ID:	E10862.D
Prep Batch:	B6G2215	Sequence:	S8G2601	Analyzed:	07/26/16 03:33
Dilution:	5			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
120-12-7	Anthracene	362	206	1030	J, D
84-74-2	Di-n-butyl phthalate	ND	206	1030	U
206-44-0	Fluoranthene	1980	206	1030	D
129-00-0	Pyrene	1880	206	1030	D
85-68-7	Butylbenzylphthalate	ND	206	1030	U
91-94-1	3,3'-Dichlorobenzidine	ND	512	1030	U
56-55-3	Benzo[a]anthracene	848	206	1030	D, J
117-81-7	bis(2-ethylhexyl)phthalate	ND	206	1030	U
218-01-9	Chrysene	898	206	1030	D, J
117-84-0	Di-n-octyl phthalate	ND	206	1030	U
205-99-2	Benzo[b]fluoranthene	1010	206	1030	D, J
207-08-9	Benzo[k]fluoranthene	399	206	1030	D, J
50-32-8	Benzo[a]pyrene	786	206	1030	D, J
193-39-5	Indeno(1,2,3-cd)pyrene	363	206	1030	D, J
53-70-3	Dibenzo(a,h)anthracene	ND	206	1030	U
191-24-2	Benzo[ghi]perylene	405	206	1030	D, J

<u>Surrogate</u>	<u>% Recovery</u>	<u>Recovery Limits</u>
2-Fluorophenol	63%	30-130
Phenol-d5	68%	30-130
Nitrobenzene-d5	84%	30-130
2-Fluorobiphenyl	88%	30-130
2,4,6-Tribromophenol	72%	30-130
Terphenyl-d14	96%	30-130



ANALYSIS DATA SHEET

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-21
Lab Sample ID: 1601375-01
Project: 255 East 138th Street
Work Order: 1601375

Date Sampled:	07/21/16 00:00	Prep Date:	07/25/16 06:06	Matrix:	Soil
Percent Solids:	81.00	Prep Method:	EPA 3550B	File ID:	A22458.D
Prep Batch:	B6G2501	Sequence:	S6G2501	Analyzed:	07/25/16 13:30
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
319-84-6	alpha-BHC	ND	0.815	0.815	U
319-85-7	beta-BHC	ND	0.815	0.815	U
319-86-8	delta-BHC	ND	0.815	0.815	U
58-89-9	gamma-BHC [Lindane]	ND	0.815	0.815	U
76-44-8	Heptachlor	ND	0.815	0.815	U
309-00-2	Aldrin	ND	0.815	0.815	U
1024-57-3	Heptachlor Epoxide	ND	0.815	0.815	U
959-98-8	Endosulfan I	ND	0.815	0.815	U
60-57-1	Dieldrin	ND	1.64	1.64	U
72-55-9	4,4'-DDE	ND	1.64	1.64	U
72-20-8	Endrin	ND	1.64	1.64	U
33213-65-9	Endosulfan II	ND	1.64	1.64	U
72-54-8	4,4'-DDD	ND	1.64	1.64	U
1031-07-8	Endosulfan sulfate	ND	1.64	1.64	U
50-29-3	4,4'-DDT	ND	1.64	1.64	U
72-43-5	Methoxychlor	ND	2.47	8.22	U
53494-70-5	Endrin ketone	ND	1.64	1.64	U
7421-93-4	Endrin aldehyde	ND	1.64	1.64	U
5103-71-9	alpha-Chlordane	ND	0.815	0.815	U
5566-34-7	gamma-Chlordane	13.7	0.815	0.815	
8001-35-2	Toxaphene	ND	41.1	41.1	U
12674-11-2	Aroclor-1016	ND	20.5	41.1	U



ANALYSIS DATA SHEET

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-21
Lab Sample ID: 1601376-01
Project: 255 East 138th Street
Work Order: 1601375

Date Sampled:	07/21/16 00:00	Prep Date:	07/25/16 06:06	Matrix:	Soil
Percent Solids:	81.00	Prep Method:	EPA 3550B	File ID:	A22458.D
Prep Batch:	B6G2501	Sequence:	S6G2501	Analyzed:	07/25/16 13:30
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
11104-28-2	Aroclor-1221	ND	20.5	41.1	U
11141-16-5	Aroclor-1232	ND	20.5	41.1	U
53469-21-9	Aroclor-1242	ND	20.5	41.1	U
12672-29-6	Aroclor-1248	ND	20.5	41.1	U
11097-69-1	Aroclor-1254	ND	20.5	41.1	U
11096-82-5	Aroclor-1260	ND	20.5	41.1	U
37324-23-5	Aroclor-1262	ND	20.5	41.1	U
11100-14-4	Aroclor-1268	ND	20.5	41.1	U

<u>Surrogate</u>	<u>% Recovery</u>	<u>Recovery Limits</u>
Tetrachloro-m-xylene	60.7%	30-150
Tetrachloro-m-xylene [2C]	79.1%	30-150
Decachlorobiphenyl	72.4%	30-150
Decachlorobiphenyl [2C]	129%	30-150

* Values outside of QC limits

ND - Indicates compound analyzed for but not detected

U - Indicates compound analyzed for but not detected

J - Indicates estimated value for TICs and all results when detected below the RL

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.

MDL - Minimum detection limit

RL - Reporting limit



ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-21
Lab Sample ID: 1601375-01
Project: 255 East 138th Street
Work Order: 1601375

Date Sampled: 07/21/16 00:00	Matrix: Soil
Percent Solids: 81.00	File ID: 072216A-022

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
7429-90-5	Aluminum	8930	24.3	24.3	1		07/22/16 07:29	EPA 3050B	07/22/16 13:34 LIT	EPA 6010
7439-97-6	Mercury	0.131	0.0926	0.0926	1		07/21/16 14:00	EPA 7471A	07/22/16 12:12 PRT	EPA 7471
7440-36-0	Antimony	ND	4.85	4.85	1	U	07/22/16 07:29	EPA 3050B	07/22/16 13:34 LIT	EPA 6010
7440-38-2	Arsenic	2.98	1.21	1.21	1		07/22/16 07:29	EPA 3050B	07/22/16 13:34 LIT	EPA 6010
7440-39-3	Barium	70.3	24.3	24.3	1		07/22/16 07:29	EPA 3050B	07/22/16 13:34 LIT	EPA 6010
7440-41-7	Beryllium	ND	0.606	0.606	1	U	07/22/16 07:29	EPA 3050B	07/22/16 13:34 LIT	EPA 6010
7440-43-9	Cadmium	0.905	0.606	0.606	1		07/22/16 07:29	EPA 3050B	07/22/16 13:34 LIT	EPA 6010
7440-70-2	Calcium	34600	758	758	25	D	07/22/16 07:29	EPA 3050B	07/22/16 14:20 LIT	EPA 6010
7440-47-3	Chromium	29.2	2.43	2.43	1		07/22/16 07:29	EPA 3050B	07/22/16 13:34 LIT	EPA 6010
7440-48-4	Cobalt	7.51	6.06	6.06	1		07/22/16 07:29	EPA 3050B	07/22/16 13:34 LIT	EPA 6010
7440-50-8	Copper	39.3	3.64	3.64	1		07/22/16 07:29	EPA 3050B	07/22/16 13:34 LIT	EPA 6010
7439-89-6	Iron	19000	30.3	30.3	1		07/22/16 07:29	EPA 3050B	07/22/16 13:34 LIT	EPA 6010
7439-92-1	Lead	87.7	1.21	1.21	1		07/22/16 07:29	EPA 3050B	07/22/16 13:34 LIT	EPA 6010
7439-95-4	Magnesium	14800	60.6	60.6	1		07/22/16 07:29	EPA 3050B	07/22/16 13:34 LIT	EPA 6010
7439-96-5	Manganese	392	2.43	2.43	1		07/22/16 07:29	EPA 3050B	07/22/16 13:34 LIT	EPA 6010
7440-02-0	Nickel	16.0	4.85	4.85	1		07/22/16 07:29	EPA 3050B	07/22/16 13:34 LIT	EPA 6010
7440-09-7	Potassium	1570	60.6	60.6	1		07/22/16 07:29	EPA 3050B	07/22/16 13:34 LIT	EPA 6010
7782-49-2	Selenium	ND	4.85	4.85	1	U	07/22/16 07:29	EPA 3050B	07/22/16 13:34 LIT	EPA 6010
7440-22-4	Silver	ND	0.606	0.606	1	U	07/22/16 07:29	EPA 3050B	07/22/16 13:34 LIT	EPA 6010
7440-23-5	Sodium	309	60.6	60.6	1		07/22/16 07:29	EPA 3050B	07/22/16 13:34 LIT	EPA 6010
7440-28-0	Thallium	ND	1.82	3.64	1	U	07/22/16 07:29	EPA 3050B	07/22/16 13:34 LIT	EPA 6010
7440-62-2	Vanadium	24.4	6.06	6.06	1		07/22/16 07:29	EPA 3050B	07/22/16 13:34 LIT	EPA 6010
7440-66-6	Zinc	92.0	7.28	7.28	1		07/22/16 07:29	EPA 3050B	07/22/16 13:34 LIT	EPA 6010

* Values outside of QC limits

ND - Indicates compound analyzed for but not detected

U - Indicates compound analyzed for but not detected

J - Indicates estimated value for TICs and all results when detected below the RL

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.

MDL - Minimum detection limit

RL - Reporting limit

MLP 10/20/16



ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-21
Lab Sample ID: 1601375-01
Project: 255 East 138th Street
Work Order: 1601375

Date Sampled: 07/21/16 00:00	Matrix: Soil
Percent Solids: 81.00	File ID:

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
16065-83-1	Trivalent Chromium	29.2	1.96	1.96	1		07/22/16 07:29	[CALC]	07/22/16 16:46 NNM	[CALC]
1854-02-99	Chromium, Hexava	ND	2.47	2.47	1	U	07/21/16 13:58	SW 846 3060A	07/22/16 16:46 NNM	EPA 7196A
NA	Cyanide (total)	ND	1.23	1.23	1	U	07/21/16 15:21	EPA 9010C	07/22/16 14:41 NNM	EPA 9014

CAS NO.	Analyte	Concentration (%)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
NA	Percent Solids	81.0	0.100	0.100	1		07/25/16 08:45	Percent Solids	07/25/16 14:28 RMK	SM 2540 G

* Values outside of QC limits

ND - Indicates compound analyzed for but not detected

U - Indicates compound analyzed for but not detected

J - Indicates estimated value for TICs and all results when detected below the RL

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.

MDL - Minimum detection limit

RL - Reporting limit

Appendix B

***Laboratory
QC
Documentation***



SYSTEM MONITORING COMPOUND SUMMARY

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street
Work Order: 1601375

Matrix: Solid
Instrument: GC/MS A

Lab Sample ID:	1,2-DCE-d4 (70% - 130%)	BFB (70% - 130%)	TOL-d8 (70% - 130%)
1601375-01	190*	79	101
1601375-01RE1	181*	75	98
B6G2115-BLK1	126	93	104
B6G2115-BS1	121	100	106
B6G2115-MS1	136*	100	107
B6G2115-MSD1	137*	96	105



INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
 Work Order: 1601375
 Project: 255 East 138th Street
 Sequence: S6G2107

Instrument: GC/MS A
 Calibration: 16G2001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
EP-21 (1601375-01)			<i>Lab File ID: A8783.D</i>		<i>Analyzed: 07/22/16 02:59</i>				
Pentafluorobenzene	281717	6.42	711459	6.42	40	50 - 200	0.0000	+/-0.50	*
1,4-Difluorobenzene	427338	7.12	1073290	7.12	40	50 - 200	0.0000	+/-0.50	*
Chlorobenzene-d5	314415	11.22	907000	11.22	35	50 - 200	0.0000	+/-0.50	*
1,4-Dichlorobenzene-d4	116927	16.74	543578	16.74	22	50 - 200	0.0000	+/-0.50	* < 25%
EP-21 (1601375-01RE1)			<i>Lab File ID: A8784.D</i>		<i>Analyzed: 07/22/16 03:30</i>				
Pentafluorobenzene	280362	6.42	711459	6.42	39	50 - 200	0.0000	+/-0.50	*
1,4-Difluorobenzene	427926	7.12	1073290	7.12	40	50 - 200	0.0000	+/-0.50	*
Chlorobenzene-d5	294655	11.22	907000	11.22	32	50 - 200	0.0000	+/-0.50	*
1,4-Dichlorobenzene-d4	109819	16.75	543578	16.74	20	50 - 200	0.0100	+/-0.50	* < 25%

* Values outside of QC limits



INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
 Work Order: 1601375
 Project: 255 East 138th Street

Calibration: 16G2001	Instrument: GC/MS A
	Calibration Date: 7/19/2016 8:48:07AM

COMPOUND	Mean RF	RF RSD	LIMIT	Q
Acrolein	3.491622E-02	5.451013		
Acrylonitrile	8.481825E-02	4.562105		
Acetone	0.291104	60.8609		
Dichlorodifluoromethane	0.7526665	14.92921		
Chloromethane	0.8540677	14.6566	SPCC (0.1)	
Vinyl chloride	0.8107103	13.84273	CCC (20)	
Bromomethane	0.559874	10.38633		
Chloroethane	0.2565061	9.065461		
Trichlorofluoromethane	0.9218445	5.797459		
Freon 113	0.5537785	4.470786		
1,1-Dichloroethene	0.8556057	7.924545	CCC (20)	
Carbon disulfide	1.660111	4.547484		
Methyl Acetate	0.2212286	12.61609		
Methylene Chloride	1.649306	106.1639		
trans-1,2-Dichloroethene	0.7919993	2.89292		
1,1-Dichloroethane	0.9203246	3.30673	SPCC (0.1)	
Vinyl acetate	0.7430753	3.340318		
2,2-Dichloropropane	0.9128792	5.671282		
2-Butanone	0.200285	8.734377		
cis-1,2-Dichloroethene	0.7416377	3.843662		
Chloroform	0.9741879	4.067673	CCC (20)	
Bromochloromethane	0.3028988	3.554132		
Cyclohexane	0.7954197	5.566765		
1,1,1-Trichloroethane	0.8893281	5.868703		
t-Butyl alcohol	2.388899E-02	8.210542		



CONTINUING CALIBRATION VERIFICATION

EPA 8260

Client: **BRINKERHOFF ENVIRONMENTAL**
 Work Order: **1601375**
 Project: **255 East 138th Street**

Instrument ID: GC/MS A	Calibration: 16G2001
Lab File ID: A8766.D	Calibration Date: 07/19/16 08:48
Sequence: S6G2107	Injection Date: 07/21/16
Lab Sample ID: S6G2107-CCV1	Injection Time: 18:08

COMPOUND	TYPE	CONC. (ug/L)		RESPONSE FACTOR			% DIFF	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acrolein	A	250	295	3.491622E-02	4.122655E-02		18.1	
Acrylonitrile	A	250	248	8.481825E-02	8.408102E-02		-0.9	
Acetone	L	50.0	51.6	0.291104	0.2039077		-30.0	
Dichlorodifluoromethane	A	50.0	48.0	0.7526665	0.7230691		-3.9	
Chloromethane	A	50.0	52.9	0.8540677	0.9035405	0.1	5.8	
Vinyl chloride	A	50.0	53.9	0.8107103	0.873616		7.8	20
Bromomethane	A	50.0	54.9	0.559874	0.6144332		9.7	
Chloroethane	A	50.0	63.6	0.2565061	0.3264897		27.3	
Trichlorofluoromethane	A	50.0	47.4	0.9218445	0.8729147		-5.3	
Freon 113	A	50.0	45.5	0.5537785	0.5038309		-9.0	
1,1-Dichloroethene	A	50.0	45.3	0.8556057	0.7746167		-9.5	20
Carbon disulfide	A	50.0	44.0	1.660111	1.46123		-12.0	
Methyl Acetate	A	50.0	49.4	0.2212286	0.2187997		-1.1	
Methylene Chloride	L	50.0	50.7	1.649306	0.7873736		-52.3	
trans-1,2-Dichloroethene	A	50.0	48.6	0.7919993	0.7689958		-2.9	
1,1-Dichloroethane	A	50.0	46.2	0.9203246	0.8506253	0.1	-7.6	
Vinyl acetate	A	50.0	50.1	0.7430753	0.7448961		0.2	
2,2-Dichloropropane	A	50.0	44.8	0.9128792	0.8189073		-10.3	
2-Butanone	A	50.0	45.1	0.200285	0.1805332		-9.9	
cis-1,2-Dichloroethene	A	50.0	47.4	0.7416377	0.703633		-5.1	
Chloroform	A	50.0	46.0	0.9741879	0.8952195		-8.1	20
Bromochloromethane	A	50.0	45.8	0.3028988	0.2776899		-8.3	
Cyclohexane	A	50.0	45.4	0.7954197	0.7221779		-9.2	



LCS / LCS DUPLICATE RECOVERY

EPA 8270

Client: **BRINKERHOFF ENVIRONMENTAL**
 Project: **255 East 138th Street**
 Work Order: **1601375**

Matrix:	Solid	Prep Method:	EPA 3550B GCMS
Prep Batch:	B6G2215	Lab Sample ID:	B6G2215-BS1

ANALYTE	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC.	QC LIMITS REC.
Pyridine	1670	972	58	20 - 160
N-Nitrosodimethylamine	1670	1230	74	20 - 160
Aniline	1670	1180	71	20 - 160
Phenol	1670	1460	87	20 - 160
bis(2-chloroethyl)ether	1670	1380	83	70 - 130
2-Chlorophenol	1670	1480	89	70 - 130
1,3-Dichlorobenzene	1670	1410	84	70 - 130
1,4-Dichlorobenzene	1670	1420	85	70 - 130
Benzyl alcohol	1670	1490	89	20 - 160
1,2-Dichlorobenzene	1670	1430	86	70 - 130
2-Methylphenol	1670	1480	89	20 - 160
bis(2-chloroisopropyl)ether	1670	1450	87	70 - 130
3 & 4-Methylphenol	1670	1520	91	20 - 160
N-Nitroso-di-n-propylamine	1670	1470	88	70 - 130
Hexachloroethane	1670	1400	84	20 - 160
Nitrobenzene	1670	1570	94	70 - 130
Isophorone	1670	1550	93	70 - 130
2-Nitrophenol	1670	1590	96	70 - 130
2,4-Dimethylphenol	1670	1630	98	70 - 130
bis(2-chloroethoxy)methane	1670	1540	93	70 - 130
2,4-Dichlorophenol	1670	1610	96	70 - 130
1,2,4-Trichlorobenzene	1670	1540	93	70 - 130
Naphthalene	1670	1550	93	70 - 130
4-Chloroaniline	1670	590	35	70 - 130
Hexachlorobutadiene	1670	1560	93	70 - 130
4-Chloro-3-methylphenol	1670	1660	100	70 - 130
2-Methylnaphthylene	1670	1530	92	70 - 130
Hexachlorocyclopentadiene	1670	1030	62	20 - 160



INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
 Work Order: 1601375
 Project: 255 East 138th Street
 Sequence: S6G2207

Instrument: GC/MS E
 Calibration: 16G1402

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S6G2207-CCV1)			<i>Lab File ID: E10836.D</i>		<i>Analyzed: 07/22/16 10:05</i>				
1,4-Dichlorobenzene-d4	282219	10.07	297523	10.14	95	50 - 200	-0.0700	+/-0.50	
Naphthalene-d8	1124387	13.27	1187212	13.33	95	50 - 200	-0.0600	+/-0.50	
Acenaphthene-d10	683858	17.76	697323	17.82	98	50 - 200	-0.0600	+/-0.50	
Phenanthrene-d10	1126954	21.55	1115909	21.61	101	50 - 200	-0.0600	+/-0.50	
Chrysene-d12	1016984	28.34	1011597	28.39	101	50 - 200	-0.0500	+/-0.50	
Perylene-d12	1015548	31.7	1012921	31.76	100	50 - 200	-0.0600	+/-0.50	
EP-21 (1601375-01)			<i>Lab File ID: E10849.D</i>		<i>Analyzed: 07/22/16 20:35</i>				
1,4-Dichlorobenzene-d4	321505	10.08	282219	10.07	114	50 - 200	0.0100	+/-0.50	
Naphthalene-d8	1305042	13.26	1124387	13.27	116	50 - 200	-0.0100	+/-0.50	
Acenaphthene-d10	776600	17.75	683858	17.76	114	50 - 200	-0.0100	+/-0.50	
Phenanthrene-d10	1260158	21.54	1126954	21.55	112	50 - 200	-0.0100	+/-0.50	
Chrysene-d12	871127	28.33	1016984	28.34	86	50 - 200	-0.0100	+/-0.50	
Perylene-d12	335649	31.69	1015548	31.7	33	50 - 200	-0.0100	+/-0.50	*

* Values outside of QC limits

Data File : D:\E\DATA16\JUN16\E0606\E10612.D
 Acq On : 6 Jun 2016 12:10
 Sample : S6F0703-CAL6
 Misc :
 MS Integration Params: rteint.p
 Quant Time: Jun 7 8:46 2016

Vial: 1
 Operator: JMM
 Inst : GC/MS E
 Multiplr: 1.00

Quant Results File: SVE80606.RES

Quant Method : D:\E\METHODS\SVE80606.M (RTE Integrator)
 Title : SEMI-VOA 8270 TCL HP5971E
 Last Update : Tue May 17 08:58:02 2016
 Response via : Initial Calibration
 DataAcq Meth : SVE80606

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
49) Acenaphthene	17.98	153	2027600	105.73	ul/l	96
50) 2,4-Dinitrophenol	18.17	184	425798	97.85	ul/l	82
51) 4-Nitrophenol	18.46	109	231947	99.20	ul/l #	1
52) Dibenzofuran	18.41	168	2896955	102.07	ul/l	74
53) 2,6-Dinitrotoluene	17.48	165	687094	112.46	ul/l	91
54) 2,4-Dinitrotoluene	18.53	165	826292	104.28	ul/l	76
55) 2,3,4,6-tetrachlorophenol	18.79	232	638283	111.54	ul/l	98
56) Diethylphthalate	19.20	149	2391981	98.77	ul/l	97
57) 4-Chlorophenyl-phenylether	19.34	204	1068441	104.70	ul/l	96
58) Fluorene	19.29	166	2384352	103.01	ul/l	94
59) 4-Nitroaniline	19.58	138	824749	114.42	ul/l	92
62) 4,6-Dinitro-2-methylphenol	19.60	198	525629	103.48	ul/l	92
63) Carbazole	22.32	167	3318465	106.36	ul/l	99
64) n-Nitrosodiphenylamine	19.71	169	1967114	104.57	ul/l	96
65) 1,2-Diphenylhydrazine	19.76	77	2695672	106.91	ul/l	77
66) Azobenzene	19.76	77	2695672	106.91	ul/l	77
67) 4-Bromophenyl-phenylether	20.59	248	676638	119.19	ul/l	99
68) Hexachlorobenzene	20.71	284	683255	125.27	ul/l	88
69) Atrazine	21.17	58	432493	106.72	ul/l	81
70) Pentachlorophenol	21.22	266	509614	131.56	ul/l	98
71) Phenanthrene	21.74	178	3245253	105.61	ul/l	98
72) Anthracene	21.88	178	3282168	104.47	ul/l	98
73) Di-n-butylphthalate	23.33	149	4224416	97.25	ul/l	98
74) Fluoranthene	24.77	202	3554335	103.03	ul/l	99
76) Benzidine	25.18	184	1748366	122.30	ul/l	98
77) Pyrene	25.34	202	3577411	108.43	ul/l	98
79) Butylbenzylphthalate	27.13	149	2118544	107.87	ul/l	94
80) 3,3'-Dichlorobenzidine	28.43	252	820174	80.57	ul/l	96
81) Benzo[a]anthracene	28.40	228	3437369	112.23	ul/l	98
82) bis(2-Ethylhexyl)phthalate	28.63	149	2673021	105.84	ul/l	95
83) Chrysene	28.54	228	2888330	106.61	ul/l	97
85) Di-n-octylphthalate	30.21	149	4853396	99.98	ul/l	96
86) Benzo[b]fluoranthene	31.01	252	3074645m	102.92	ul/l	
87) Benzo[k]fluoranthene	31.08	252	3060564m	111.87	ul/l	
88) Benzo[a]pyrene	31.71	252	3112799	108.09	ul/l	96
89) Indeno[1,2,3-cd]pyrene	34.00	276	2948606	99.46	ul/l	90
90) Dibenz[a,h]anthracene	34.03	278	2473435	102.60	ul/l	99
91) Benzo[g,h,i]perylene	34.54	276	2382068	95.88	ul/l	96

perylene-diz

Data File : D:\E\DATA16\JUN16\E0606\E10612.D
 Acq On : 6 Jun 2016 12:10
 Sample : S6F0703-CAL6
 Misc :
 MS Integration Params: rteint.p
 Quant Time: Jun 7 8:46 2016

Vial: 1
 Operator: JMM
 Inst : GC/MS E
 Multiplr: 1.00

Quant Results File: SVE80606.RES

Quant Method : D:\E\METHODS\SVE80606.M (RTE Integrator)
 Title : SEMI-VOA 8270 TCL HP5971E
 Last Update : Tue May 17 08:58:02 2016
 Response via : Initial Calibration
 DataAcq Meth : SVE80606

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.15	152	299333	40.00	ul/l	0.01
21) Naphthalene-d8	13.36	136	1202493	40.00	ul/l	0.01
37) Acenaphthene-d10	17.85	164	699248	40.00	ul/l	0.00
61) Phenanthrene-d10	21.66	188	1099118	40.00	ul/l	0.00
75) Chrysene-d12	28.45	240	926942	40.00	ul/l	-0.02
84) Perylene-d12	31.80	264	918803	40.00	ul/l	-0.03

System Monitoring Compounds

4) 2-Fluorophenol	7.04	112	1345166	112.90	ul/l	0.04
Spiked Amount	120.000	Range	15 - 110	Recovery	=	94.08%
7) Phenol-d5	9.50	99	1671706	106.60	ul/l	0.07
Spiked Amount	120.000	Range	15 - 110	Recovery	=	88.83%
22) Nitrobenzene-d5	11.61	82	1169226	106.74	ul/l	0.05
Spiked Amount	100.000	Range	30 - 130	Recovery	=	106.74%
42) 2-Fluorobiphenyl	16.21	172	2138626	99.87	ul/l	0.02
Spiked Amount	100.000	Range	15 - 110	Recovery	=	99.87%
60) 2,4,6-Tribromophenol	19.92	330	328703	132.49	ul/l	0.02
Spiked Amount	120.000	Range	15 - 110	Recovery	=	110.41%#
78) Terphenyl-d14	25.81	244	2149695	107.02	ul/l	-0.02
Spiked Amount	100.000	Range	30 - 130	Recovery	=	107.02%

Target Compounds

						Qvalue
2) Pyridine	3.65	79	1475573	129.54	ul/l	93
3) N-Nitrosodimethylamine	3.68	74	951810	117.80	ul/l	94
5) Benzaldehyde	9.05	77	138454	77.16	ul/l	78
6) Aniline	9.39	93	2284202	115.43	ul/l	94
8) Phenol	9.53	94	1738448	104.12	ul/l	93
9) bis(2-Chloroethyl) ether	9.64	93	1511044	114.05	ul/l	91
10) 2-Chlorophenol	9.67	128	1395887	117.23	ul/l	95
11) 1,3-Dichlorobenzene	10.02	146	1342736	111.88	ul/l	96
12) 1,4-Dichlorobenzene	10.20	146	1325462	111.66	ul/l	98
13) Benzyl alcohol	10.67	79	1005615	113.82	ul/l	93
14) 1,2-Dichlorobenzene	10.57	146	1323274	113.47	ul/l	99
15) 2-Methylphenol	10.93	108	1334686m	119.15	ul/l	
16) bis(2-chloroisopropyl) ethe	10.98	45	2182030	108.39	ul/l	91
17) Acetophenone	11.28	105	1613521	109.05	ul/l	87
18) 3&4-Methylphenol	11.42	108	1309876	113.80	ul/l	99
19) N-Nitroso-di-n-propylamine	11.37	70	968296m	113.80	ul/l	
20) Hexachloroethane	11.39	117	558722	112.52	ul/l	91
23) Nitrobenzene	11.66	77	1218109	108.53	ul/l	91
24) Isophorone	12.38	82	2850954m	111.07	ul/l	
25) 2-Nitrophenol	12.44	139	876396	126.87	ul/l	88
26) 2,4-Dimethylphenol	12.74	107	1179893	106.29	ul/l	97
27) Benzoic Acid	13.43	122	797570m	101.87	ul/l	
28) bis(2-Chloroethoxy) methane	12.92	93	1663224	106.81	ul/l	98
29) 2,4-Dichlorophenol	13.11	162	1086129	117.70	ul/l	95
30) 1,2,4-Trichlorobenzene	13.24	180	1105600	115.68	ul/l	98
31) Naphthalene	13.42	128	3294187	106.41	ul/l	96
32) 4-Chloroaniline	13.64	127	1756801	117.91	ul/l	99
33) Hexachlorobutadiene	13.80	225	538427	118.82	ul/l	98
34) Caprolactam	14.90	55	713923m	111.13	ul/l	
35) 4-Chloro-3-methylphenol	15.02	107	1098770	113.17	ul/l	95
36) 2-Methylnaphthalene	15.20	142	2331794	110.17	ul/l	96
38) 1,2,4,5-tetrachlorobenzene	15.66	216	934599	102.01	ul/l	98
39) Hexachlorocyclopentadiene	15.64	237	659091	133.27	ul/l	96
40) 2,4,6-Trichlorophenol	15.99	196	784189	119.97	ul/l	97
41) 2,4,5-Trichlorophenol	16.11	196	778779	115.45	ul/l	99
43) 1,1'-Biphenyl	16.45	154	2231352	93.40	ul/l	98
44) 2-Chloronaphthalene	16.44	162	2109310	108.84	ul/l	99
45) 2-Nitroaniline	16.78	65	687518	107.30	ul/l	81
46) Dimethylphthalate	17.41	163	2450877m	103.92	ul/l	
47) Acenaphthylene	17.51	152	3176517	101.01	ul/l	98
48) 3-Nitroaniline	17.91	138	878225	113.07	ul/l	90

(#) = qualifier out of range (m) = manual integration



INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8270

Client: **BRINKERHOFF ENVIRONMENTAL**
 Work Order: **1601375**
 Project: **255 East 138th Street**

Calibration:	16G1402	Instrument:	GC/MS E
		Calibration Date:	6/6/2016 2:44:35PM

COMPOUND	Mean RF	RF RSD	LIMIT	Q
Naphthalene	1.014413	7.446843		
4-Chloroaniline	0.5030556	3.466959		
Hexachlorobutadiene	0.1549383	2.975079	CCC (20)	
Caprolactam	0.2059759	4.024724		
4-Chloro-3-methylphenol	0.3148834	3.706397	CCC (20)	
2-Methylnaphthylene	0.7209771	8.193629		
1,2,4,5-Tetrachlorobenzene	0.4894636	6.658484		
Hexachlorocyclopentadiene	0.3043353	8.043457	SPCC (0.05)	
2,4,6-Trichlorophenol	0.3810716	2.654666	CCC (20)	
2,4,5-Trichlorophenol	0.3910356	4.219982		
2-Chloronaphthalene	1.117736	7.950694		
1,1-Biphenyl	1.303017	12.75237		
2-Nitroaniline	0.3230266	2.83713		
Dimethylphthalate	1.295766	8.404396		
Acenaphthylene	1.728125	9.846874		
3-Nitroaniline	0.429227	1.460559		
Acenaphthene	1.061398	6.631354	CCC (20)	
2,4-Dinitrophenol	0.1418895	43.47269	SPCC (0.05)	
4-Nitrophenol	0.1116238	3.556766	SPCC (0.05)	
Dibenzofuran	1.565428	9.233606		
2,6-Dinitrotoluene	0.3316834	2.19327		
2,4-Dinitrotoluene	0.4046039	2.990609		
2,3,4,6-Tetrachlorophenol	0.3201041	3.652533		
Diethyl phthalate	1.292764	9.050481		
4-Chlorophenyl-phenylether	0.5728172	9.142366		



CONTINUING CALIBRATION VERIFICATION

EPA 8270

Client: **BRINKERHOFF ENVIRONMENTAL**
 Work Order: **1601375**
 Project: **255 East 138th Street**

Instrument ID: GC/MS E	Calibration: 16G1402
Lab File ID: E10836.D	Calibration Date: 06/06/16 14:44
Sequence: S6G2207	Injection Date: 07/22/16
Lab Sample ID: S6G2207-CCV1	Injection Time: 10:05

COMPOUND	TYPE	CONC. (mg/L)		RESPONSE FACTOR			% DIFF	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dinitrotoluene	A	50.0	61.1	0.4046039	0.4944933		22.2	
2,3,4,6-Tetrachlorophenol	A	50.0	55.0	0.3201041	0.3523234		10.1	
Diethyl phthalate	A	50.0	55.5	1.292764	1.435298		11.0	
4-Chlorophenyl-phenylether	A	50.0	53.5	0.5728172	0.6127939		7.0	
Fluorene	A	50.0	53.7	1.296376	1.392945		7.4	
4-Nitroaniline	A	50.0	57.5	0.4014133	0.4613098		14.9	
4,6-Dinitro-2-methylphenol	L	50.0	61.9	0.1335825	0.1935163		44.9	
Carbazole	A	50.0	51.5	1.130482	1.165469		3.1	
N-Nitrosodiphenylamine	A	50.0	53.2	0.684079	0.728396		6.5	20
1,2-Diphenylhydrazine	A	50.0	48.8	0.8588185	0.8390603		-2.3	
Azobenzene	A	50.0	48.8	0.8588185	0.8390603		-2.3	
4-Bromophenyl-phenylether	A	50.0	52.9	0.218276	0.2307934		5.7	
Atrazine	A	50.0	56.6	0.1431441	0.1620077		13.2	
Hexachlorobenzene	A	50.0	54.2	0.2205023	0.2390437		8.4	
Pentachlorophenol	A	50.0	48.4	0.1520482	0.1470569		-3.3	20
Phenanthrene	A	50.0	51.7	1.101734	1.13838		3.3	
Anthracene	A	50.0	52.2	1.137038	1.187367		4.4	
Di-n-butyl phthalate	A	50.0	52.5	1.525252	1.601996		5.0	
Fluoranthene	A	50.0	52.6	1.247137	1.312995		5.3	20
Benzidine	A	50.0	57.5	0.5924263	0.6815557		15.0	
Pyrene	A	50.0	52.1	1.405601	1.46325		4.1	
Butylbenzylphthalate	A	50.0	51.6	0.8240078	0.8500303		3.2	
3,3'-Dichlorobenzidine	A	50.0	60.4	0.3230835	0.3900089		20.7	



CONTINUING CALIBRATION VERIFICATION

EPA 8270

Client: **BRINKERHOFF ENVIRONMENTAL**
 Work Order: **1601375**
 Project: **255 East 138th Street**

Instrument ID: **GC/MS E**
 Lab File ID: **E10836.D**
 Sequence: **S6G2207**
 Lab Sample ID: **S6G2207-CCV1**

Calibration: **16G1402**
 Calibration Date: **06/06/16 14:44**
 Injection Date: **07/22/16**
 Injection Time: **10:05**

COMPOUND	TYPE	CONC. (mg/L)		RESPONSE FACTOR			% DIFF	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dichlorophenol	A	50.0	56.7	0.3153011	0.3574556		13.4	20
1,2,4-Trichlorobenzene	A	50.0	54.9	0.3242735	0.3557914		9.7	
Naphthalene	A	50.0	53.9	1.014413	1.093376		7.8	
4-Chloroaniline	A	50.0	55.0	0.5030556	0.5534009		10.0	
Hexachlorobutadiene	A	50.0	55.3	0.1549383	0.1713823		10.6	20
Caprolactam	A	50.0	45.3	0.2059759	0.1867058		-9.4	
4-Chloro-3-methylphenol	A	50.0	57.4	0.3148834	0.3614528		14.8	20
2-Methylnaphthylene	A	50.0	54.0	0.7209771	0.7787418		8.0	
1,2,4,5-Tetrachlorobenzene	A	50.0	56.6	0.4894636	0.5545514		13.3	
Hexachlorocyclopentadiene	A	50.0	36.0	0.3043353	0.219256	0.05	-28.0	
2,4,6-Trichlorophenol	A	50.0	54.0	0.3810716	0.4115486		8.0	20
2,4,5-Trichlorophenol	A	50.0	53.8	0.3910356	0.4210465		7.7	
2-Chloronaphthalene	A	50.0	51.5	1.117736	1.152217		3.1	
1,1-Biphenyl	A	50.0	56.9	1.303017	1.482219		13.8	
2-Nitroaniline	A	50.0	58.2	0.3230266	0.3759412		16.4	
Dimethylphthalate	A	50.0	54.6	1.295766	1.414373		9.2	
Acenaphthylene	A	50.0	53.9	1.728125	1.863189		7.8	
3-Nitroaniline	A	50.0	55.2	0.429227	0.4738235		10.4	
Acenaphthene	A	50.0	52.9	1.061398	1.123726		5.9	20
2,4-Dinitrophenol	L	50.0	61.0	0.1418895	0.2344814	0.05	65.3	
4-Nitrophenol	A	50.0	57.1	0.1116238	0.1274417	0.05	14.2	
Dibenzofuran	A	50.0	54.6	1.565428	1.707876		9.1	
2,6-Dinitrotoluene	A	50.0	57.1	0.3316834	0.3788553		14.2	



SERIAL DILUTION

EPA 6010

Laboratory:	Accredited Analytical Resources LLC	Work Order:	1601375
Client:	BRINKERHOFF ENVIRONMENTAL	Project:	255 East 138th Street
Matrix:	Solid	Laboratory ID:	S6G2205-SRD1
Sequence:	S6G2205	Source:	ZZZZZZZ

Analyte	Initial Sample Result (I)	Serial Dilution Result (S)	% Difference	Q	QC Limits % Difference
Manganese	367	375	2.37		10.00
Antimony	ND	ND	N/A		10.00
Arsenic	3.70	ND	N/A		10.00
Barium	280	277	1.16		10.00
Beryllium	ND	ND	N/A		10.00
Cadmium	1.19	ND	N/A		10.00
Chromium	36.4	36.3	0.287		10.00
Cobalt	13.6	ND	N/A		10.00
Copper	36.9	36.9	0.134		10.00
Aluminum	15700	14900	5.17		10.00
Magnesium	9920	9780	1.42		10.00
Nickel	23.8	24.4	2.70		10.00
Potassium	9470	9050	4.51		10.00
Selenium	ND	ND	N/A		10.00
Silver	ND	ND	N/A		10.00
Sodium	422	400	5.33		10.00
Thallium	ND	ND	N/A		10.00
Vanadium	78.9	59.6	27.9	*	10.00
Zinc	128	136	5.82		10.00
Lead	83.2	88.7	6.35		10.00

* Values outside of QC limits

Appendix C

Validator Qualifications

KENNETH R. APPLIN
Geochemist/Data Validator

Ph.D., Geochemistry and Mineralogy, The Pennsylvania State University

M.S., Geochemistry and Mineralogy, The Pennsylvania State University

B.A., Geological Sciences, SUNY at Geneseo, NY

Dr. Applin has over 35 years of experience working with the geochemistry of natural waters. His prior experience includes working as an Assistant Professor of Geology at the University of Missouri-Columbia and as Chief Hydrogeologist and Geochemist with a leading engineering firm in Rochester, NY. In 1993, he established KR Applin and Associates, a small consulting business that focuses on the geochemistry of natural waters, especially as applied to problems involving the contamination of groundwater and surface water.

Dr. Applin is also an experienced analytical data validator and has provided data validation services since 1994 to a variety of clients performing brownfield cleanup projects, hazardous waste remediation, groundwater monitoring at solid waste facilities, and other projects requiring third-party data validation. Dr. Applin has several years of hands-on experience with the laboratory analysis of natural waters and has successfully completed the USEPA Region II certification courses for performing inorganic and organic analytical data validation.

MICHAEL K. PERRY
Chemist/Data Validator

B.S. Chemistry, Georgia State University, Atlanta, GA

A.A.S., Chemical Technology, Alfred State College, Alfred, NY

Mr. Perry has over 30 years of experience in the analytical laboratory business. During his early career, he spent several years as a laboratory analyst performing the analysis of soil, water, and air samples for inorganic and organic chemical parameters. During his last 20 years in the environmental laboratory business, he managed and directed two major analytical laboratories in Rochester, NY. His management responsibilities included oversight of the daily operations of the lab, staff training and supervision, the selection, purchase, and maintenance of analytical instruments, the introduction of new laboratory methods, analytical quality assurance and quality control, data acquisition and management, and other business-related activities.

Mr. Perry has an extensive working knowledge of the methods and procedures used for sampling and analyzing both inorganic and organic analytes in soil, water, and air. He is an accomplished laboratory chemist and is familiar with the analytical methods and procedures established under the USEPA Contract Laboratory Protocols (CLP), the NYSDEC Analytical Services Protocols (ASP), and the NYSDOH Environmental Laboratory Approval Program (ELAP).

DATA USABILITY SUMMARY REPORT (DUSR)

**Former G & C Services
255 East 138th Street
Bronx, NY
NYSDEC BCP # C203057**

SDG: 1601418
1 Soil Sample

Prepared for:

**Brinkerhoff Environmental Services, Inc.
1805 Atlantic Avenue
Manasquan, NJ 08736**

October 2016



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REVIEWER'S NARRATIVE
SDG 1601418

The data associated with this Sample Delivery Group (SDG) 1601418, analyzed by Accredited Analytical Resources, LLC, Carteret, NJ have been reviewed in accordance with assessment criteria provided by the New York State Department of Environmental Conservation following the review procedures provided in the USEPA Functional Guidelines for evaluating organic and inorganic data.

All analytical results reported by the laboratory are considered valid and acceptable except results that have been qualified as rejected, "R". Results qualified as estimated "J", or as non-detects, "U", are considered usable for the purpose of evaluating water and/or soil quality. However, these qualifiers indicate that the accuracy and/or precision of the analytical result is questionable. A summary of all data that have been qualified and the reasons for qualification are provided in the following data usability summary report (DUSR).

Two facts should be noted by all data users. First, the "R" qualifier means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the analyte is present or not. Values qualified with an "R" should not appear on the final data tables because they cannot be relied upon, even as the last resort. Second, no analyte concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error.

Reviewer's Signature:  Date: 10/20/16
Michael K. Perry
Chemist

1.0 SUMMARY

SITE:	255 East 138 th Street. Bronx, NY
SAMPLING DATE:	July 28, 2016
SAMPLE TYPE:	1 soil sample
LABORATORY:	Accredited Analytical Resources, LLC. Carteret, NJ
SDG No.:	1601418

2.0 INTRODUCTION

This data usability summary report (DUSR) was prepared in accordance with guidance provided by the New York State Department of Environmental Conservation (NYSDEC). The DUSR is based on a review and evaluation of the laboratory analytical data package. Specifically, the NYSDEC guidance recommends review and evaluation of the following elements of the data package:

- Completeness of the data package as defined under the requirements of the NYSDEC Analytical Services Protocols (ASP) Category B or the United States Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) deliverables,
- Compliance with established analyte holding times,
- Adherence to quality control (QC) limits and specifications for blanks, instrument tuning and calibration, surrogate recoveries, spike recoveries, laboratory duplicate analyses, and other QC criteria,
- Adherence to established analytical protocols,
- Conformance of data summary sheets with raw analytical data, and
- Use of correct data qualifiers.

Data deficiencies, analytical protocol deviations, and quality control problems identified using the review criteria above and their effect on the analytical results are discussed in this report.

3.0 SAMPLE AND ANALYSIS SUMMARY

The data package consists of analytical results for one soil sample collected on July 28, 2016. This sample was analyzed for volatile organic compounds, semi-volatile organic compounds, pesticides, polychlorinated biphenyls (PCBs), TAL metals, hexavalent chromium, and total cyanide.

All laboratory analyses were performed by Accredited Analytical Resources, LLC., Carteret, NJ and analyzed as SDG 1601418. The analytical results were provided in NYSDEC ASP Category B format, which includes all raw analytical data and laboratory QC data.

4.0 GUIDANCE DOCUMENTS AND DATA REVIEW CRITERIA

The guidance documents used for reviewing laboratory quality control (QC) data and assigning data qualifiers (flags) to analytical results are listed in Table 4-1. The QC limits established in the documents applicable to this data review were used to assess the quality of the analytical results. In some cases, however, QC limits established internally by the laboratory were taken into account to determine data quality.

The QC criteria considered for assessing the usability of the reported analytical results provided for each analyte type (i.e. VOCs, SVOCs, metals, etc.) are listed in Table 4-2. These criteria may vary with the analytical method utilized by the laboratory. These criteria comply with the guidance recommended in Section 2.0 above.

5.0 DATA VALIDATION QUALIFIERS

The letter qualifiers (flags) used to define data usability are described briefly below. These letters are assigned by the data validator to analytical results having questionable accuracy and/or precision as determined by reviewing the laboratory QC data associated with the analytical results.

TABLE 4-1**DATA VALIDATION GUIDANCE DOCUMENTS**

Analyte Type	Validation Guidance
VOCs	USEPA, 2008, Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry; SW-846 Method 8260B; SOP # HW-24, Rev. 2. USEPA, 2008, Statement of Work for Organic Analysis of Low/Medium Concentration of Volatile Organic Compounds SOM01.2; SOP HW-33, Rev. 2.
SVOCs	USEPA, 2007, Statement of Work for Organic Analysis of Low/Medium Concentration of Semivolatile Organic Compounds SOM01.2; SOP HW-35, Rev. 1.
Pesticides/PCBs	USEPA, 2006, CLP Organics Data Review and Preliminary Review (CLP/SOW OLMO 4.3); SOP # HW-6, Rev. 14, Part C.
Metals	USEPA, 2006, Validation of Metals for the Contract Laboratory Program (CLP) based on SOW ILMO 5.3 (SOP Revision 13), SOP # HW-2, Rev. 13.
Gen Chemistry	NYSDEC, 2005, Analytical Services Protocols (ASP)
VOCs (Ambient air)	USEPA, 2006, Validating Air Samples, Volatile Organic Analysis of Ambient Air in Canister by Method TO-15; SOP # HW-31, Rev. 4.

TABLE 4-2

**QUALITY CONTROL CRITERIA USED FOR VALIDATING
LABORATORY ANALYTICAL DATA**

VOCs	SVOCs	Pesticides/PCBs	Metals	Gen Chemistry	Method TO-15
Completeness of Pkg Sample Condition Holding Time System Monitoring Compounds Lab Control Sample Matrix Spikes Blanks Instrument Tuning Internal Standards Initial Calibration Continuing Calibration Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Time Surrogate Recoveries Lab Control Sample Matrix Spikes Blanks Instrument Tuning Internal Standards Initial Calibration Continuing Calibration Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Time Surrogate Recoveries Matrix Spikes Blanks Instrument Calibration & Verification Analyte ID Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Time Initial/Continuing Calibration CRDL Standards Blanks Interference Check Sample Spike Recoveries Lab Duplicate Lab Control Sample ICP Serial Dilutions Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Times Calibration Lab Control Samples Blanks Spike Recoveries Lab Duplicates	Completeness of Pkg Sample Condition Holding Time Canister Certification Lab Control Sample Instrument Tuning Blanks Initial Calibration & System Performance Daily Calibration Field Duplicate

The laboratory may also use various letters and symbols to flag analytical results generated when QC limits were exceeded. The meanings of these flags may differ from those used by the independent data validator. Those used by the laboratory are provided with the analytical results.

NOTE: The assignment of data qualifiers by the data reviewer (validator) to laboratory analytical results should not necessarily be interpreted by the data user as a measure of laboratory ability or proficiency. Rather, the qualifiers are intended to provide a measure of data accuracy and precision to the data user, which, for example, may provide a level of confidence in determining whether or not standards or cleanup objectives have been met.

- U** The analyte was analyzed for but was not detected at or above the sample quantitation limit.
- J** The analyte was positively identified; the associated numerical value is the *approximate* concentration of the analyte in the sample. (The magnitude of any \pm value associated with the result is not determined by data validation).
- UJ** The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is *approximate* and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R** The sample result is rejected (i.e., is unusable) due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
- N** The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
- JN** The analyte is considered to be "presumptively present." The associated numerical value represents its *approximate* concentration.

The validated analytical results are attached to this report. Validation qualifiers (flags) are indicated using red ink. Data sheets having qualified data are signed and dated by the data reviewer.

6.0 RESULTS OF THE DATA REVIEW

The results of the data review are summarized in Tables 6-1 through 6-6. The tables list the samples where QC criteria were found to exceed acceptable limits and the actions taken to qualify the associated analytical results.

7.0 TOTAL USABLE DATA

For SDG 1601418, one sample was analyzed and results were reported for 191 analytes. Even though some results were flagged with a "J" as estimated, all results (100 %) are considered usable. See the summary table for the analyses that have been rejected and the associated QC reasons.

Table 6-1 **VOCs**

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
EP-22	Methylene Chloride	J all data 10X MB value	Detected in the method blank	Data is estimated
EP-22	Acetone	J detects	ICV RPD > 20 %	Sample detects are estimated
EP-22	Methylene Chloride	UJ non-detects J detects	CCV % D > 20 %	Samples are estimated

Table 6-2 **SVOCs**

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
EP-22	4-Chloroaniline 3-Nitroaniline	"UJ"	LCS < 70 % QC limit	All samples non-detect
EP-22	2,4-Dinitrophenol	J detects	ICV > 40 %	All samples non-detect
EP-22	2,4-Dinitrophenol	UJ non-detects J detects	CCV > 40 %	All samples non-detect

Table 6-3 Pesticides

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

Table 6-4 PCBs

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

Table 6-5 TAL Metals

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

Table 6-6 Wet Chemistry

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

ACRONYMS

BSP	Blank Spike
CCAL	Continuing Calibration
CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification
CRDL	Contract Required Detection Limit
CRQL	Contract Required Quantitation Limit
%D	Percent Difference
ICAL	Initial Calibration
ICB	Initial Calibration Blank
IS	Internal Standard
LCS	Laboratory Control Sample
MS/MSD	Matrix Spike/Matrix Spike Duplicate
QA	Quality Assurance
QC	Quality Control
%R	Percent recovery
RPD	Relative Percent Difference
%RSD	Percent Relative Standard Deviation
TAL	Target Analyte List (metals)
TCL	Target Compound List (organics)

Appendix A

*Validated
Analytical
Results*



Accredited Analytical Resources, LLC.

ANALYTICAL REPORT

for

BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.

Manasquan, NJ 08736

Project: 255 East 138 Street

AAR Work Order: 1601418

Client Sample ID: EP-22	Lab Sample ID: 1601418-01
-----------------------------------	-------------------------------------

This data has been reviewed and accepted by:

Daniel Miguel
Technical Director

08/18/2016

New Jersey Certification Number: 12007
New York Certification Number: 11109
Pennsylvania Certification Number: 68-02799

This report shall not be reproduced, except in its entirety, without the written consent of Accredited Analytical Resources, LLC.
The test results included in this report relate only to the samples analyzed.



Case Narrative

Conformance / Non-Conformance Summary

Accredited Analytical Resources, LLC received 1 sample(s) from BRINKERHOFF ENVIRONMENTAL (Project: 255 East 138 Street) on 07/28/2016 15:25.

All analyses were performed within the required holding time.

In the Volatile Organic analyses, the methylene chloride result reported is due to laboratory contamination.

In the Volatile Organic analyses, B6H0217-MS1/MSD1 had compounds recovered outside acceptance criteria due to matrix interference, the LCS was recovered within acceptance limits for all compounds; therefore, no further action required.

In the BNA analyses, the laboratory control sample (LCS) for Batch B6H0203 recovered outside control limits for multiple analytes. These analytes were recovered within house limits; therefore, the data has been reported.

In the BNA analyses, the MS/MSD for Batch B6H0203 had compounds recovered outside acceptance criteria due to matrix interference, the LCS was recovered within acceptance limits for affected compounds; therefore, no further action required.

In the Metals analysis the recoveries of the MS/MSD were outside of acceptance criteria. The QC sample had concentrations too high to be able to determine a spike recovery. The LCS was within acceptance criteria for those metals out in the MS/MSD. The results are included in this data package.

Except for the parameters tested AAR makes no representation as to the fitness or quality of the sample (s) taken.

"The laboratory has reviewed the quality assurance and quality control measurements for the sample analyses."

Daniel Miguel
Technical Director



Accredited Analytical Resources, LLC.

20 PERSHING AVE, CARTERET, NJ 07008
Tel. 732-969-6112 FAX 732-541-1383
WEB: WWW.ACCREDITEDANALYTICAL.COM

CHAIN OF CUSTODY FORM

STATE AGENCY (CIRCLE ONE)	NJ NY PA
PROJECT NAME:	255 East 138 Street
CONTACT:	Sean Harrison
OFFICE PHONE #	(732) 223-2225
OFFICE FAX #	(732) 223-3666
INITIAL RESULTS TO:	Sharrison@brinkenv.com
EMAIL FOR INVOICE:	Sharrison@brinkenv.com

CLIENT NAME:	Brinkerhoff Environmental
ADDRESS:	1805 Atlantic Ave
CITY:	Manasquan
STATE:	New Jersey
ZIP:	08731

AAR QUOTE #		ANALYSIS
AAR WORK ORDER #	1601418	PRES. CODE
P.O. #	10BR188	CONT. CODE

COLLECTION INFORMATION							ANALYSIS										AAR SAMPLE #					
CUSTOMER SAMPLE # / ID	DATE / TIME SAMPLED	MATRIX CODE	DEPTH	# OF CONTAINERS	GRAB (G) COMP (C)																	
EP-22	7/28/16 10:45 AM	G	4	4		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-01

MATRIX CODES: S = SOL A = AQUEOUS GW = GROUND WATER WW = WASTE WATER SW = SURFACE WATER P = POTABLE WATER O = OIL K = SOLID X = OTHER
 CONTAINER TYPE CODES: G = GLASS P = PLASTIC E = ENCORE PRESERVATIVES CODES: 1 = HCL 2 = HNO3 3 = H2SO4 4 = NaOH 5 = OTHER

TURNAROUND TIME: (CIRCLE ONE)	STANDARD	5 DAY	72 HRS.	48 HRS.	24 HRS.	OTHER
REPORT TYPE:	RESULTS ONLY	REDUCED	FULL <input checked="" type="checkbox"/>	EDD	EXCEL SPREADSHEET	

COMMENTS: NYSDEC Category B Data Deliverables
 COOLER TEMP: 4°C

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: Jonathan Kraus SIGN: *[Signature]*

SIGN BELOW WHEN DELIVERING SAMPLES. EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY, CUSTODY MUST BE DOCUMENTED.

RELINQUISHED BY: Print Name: Jonathan Kraus Signature: <i>[Signature]</i> Agent of: Brinkerhoff Date Received: 7/28/16 Time: 1525	RECEIVED BY: Print Name: K. MUMIZ Signature: <i>[Signature]</i> Agent of: AAR Date Received: / / Time: /	RELINQUISHED BY:	RECEIVED BY:
RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:



ANALYSIS DATA SHEET
EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-22
Lab Sample ID: 1601418-01
Project: 255 East 138 Street
Work Order: 1601418

Date Sampled:	07/28/16 10:44	Prep Date:	08/02/16 12:02	Matrix:	Soil
Percent Solids:	89.20	Prep Method:	EPA 5035A	File ID:	A8881.D
Prep Batch:	B6H0217	Sequence:	S6H0203	Analyzed:	08/02/16 12:02
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
107-02-8	Acrolein	ND	6.22	10.4	U
107-13-1	Acrylonitrile	ND	2.07	10.4	U
67-64-1	Acetone	5.16 J	1.04	2.07	
75-71-8	Dichlorodifluoromethane	ND	1.04	2.07	U
74-87-3	Chloromethane	ND	1.04	2.07	U
75-01-4	Vinyl chloride	ND	1.04	2.07	U
74-83-9	Bromomethane	ND	1.04	2.07	U
75-00-3	Chloroethane	ND	1.04	2.07	U
75-69-4	Trichlorofluoromethane	ND	1.04	2.07	U
75-35-4	1,1-Dichloroethene	ND	1.04	2.07	U
75-15-0	Carbon disulfide	ND	1.04	2.07	U
75-09-2	Methylene Chloride	3.44 J	1.04	2.07	B
156-60-5	trans-1,2-Dichloroethene	ND	1.04	2.07	U
75-34-3	1,1-Dichloroethane	ND	1.04	2.07	U
108-05-4	Vinyl acetate	ND	1.04	2.07	U
590-20-7	2,2-Dichloropropane	ND	1.04	2.07	U
78-93-3	2-Butanone	2.19	1.04	2.07	
156-59-4	cis-1,2-Dichloroethene	ND	1.04	2.07	U
67-66-3	Chloroform	ND	1.04	2.07	U
74-97-5	Bromochloromethane	ND	1.04	2.07	U
71-55-6	1,1,1-Trichloroethane	ND	1.04	2.07	U
563-58-6	1,1-Dichloropropene	ND	1.04	2.07	U
56-23-5	Carbon Tetrachloride	ND	1.04	2.07	U
107-06-2	1,2-Dichloroethane	ND	1.04	2.07	U
71-43-2	Benzene	ND	1.04	2.07	U



ANALYSIS DATA SHEET
EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-22
Lab Sample ID: 1601418-01
Project: 255 East 138 Street
Work Order: 1601418

Date Sampled:	07/28/16 10:44	Prep Date:	08/02/16 12:02	Matrix:	Soil
Percent Solids:	89.20	Prep Method:	EPA 5035A	File ID:	A8881.D
Prep Batch:	B6H0217	Sequence:	S6H0203	Analyzed:	08/02/16 12:02
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
79-01-6	Trichloroethene	ND	1.04	2.07	U
78-87-5	1,2-Dichloropropane	ND	1.04	2.07	U
75-27-4	Bromodichloromethane	ND	1.04	2.07	U
74-95-3	Dibromomethane	ND	1.04	2.07	U
110-75-8	2-Chloroethyl vinyl ether	ND	1.04	2.07	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.04	2.07	U
108-88-3	Toluene	ND	1.04	2.07	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.04	2.07	U
79-00-5	1,1,2-Trichloroethane	ND	1.04	2.07	U
108-10-1	4-Methyl-2-pentanone	ND	1.04	2.07	U
106-93-4	1,2-Dibromoethane	ND	1.04	2.07	U
591-78-6	2-Hexanone	ND	1.04	2.07	U
142-28-9	1,3-Dichloropropane	ND	1.04	2.07	U
127-18-4	Tetrachloroethene	ND	1.04	2.07	U
124-48-1	Dibromochloromethane	ND	1.04	2.07	U
100-41-4	Ethylbenzene	ND	1.04	2.07	U
108-90-7	Chlorobenzene	ND	1.04	2.07	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.04	2.07	U
108-38-3/106-42	m,p-Xylenes	ND	2.07	4.14	U
95-47-6	o-Xylene	ND	2.07	4.14	U
100-42-5	Styrene	ND	1.04	4.14	U
75-25-2	Bromofom	ND	1.04	2.07	U
98-82-8	Isopropylbenzene	ND	1.04	2.07	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.04	2.07	U
96-18-4	1,2,3-Trichloropropane	ND	1.04	2.07	U



ANALYSIS DATA SHEET
EPA 8260

Client: **BRINKERHOFF ENVIRONMENTAL**
 Client Sample ID: **EP-22**
 Lab Sample ID: **1601418-01**
 Project: **255 East 138 Street**
 Work Order: **1601418**

Date Sampled:	07/28/16 10:44	Prep Date:	08/02/16 12:02	Matrix:	Soil
Percent Solids:	89.20	Prep Method:	EPA 5035A	File ID:	A8881.D
Prep Batch:	B6H0217	Sequence:	S6H0203	Analyzed:	08/02/16 12:02
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
103-65-1	n-Propyl Benzene	ND	1.04	2.07	U
108-86-1	Bromobenzene	ND	1.04	2.07	U
108-67-8	1,3,5-Trimethylbenzene	ND	1.04	2.07	U
95-49-8	2-Chlorotoluene	ND	1.04	2.07	U
106-43-4	4-Chlorotoluene	ND	1.04	2.07	U
98-06-6	tert-Butylbenzene	ND	1.04	2.07	U
95-63-6	1,2,4-Trimethylbenzene	ND	1.04	2.07	U
135-98-8	sec-Butylbenzene	ND	1.04	2.07	U
99-87-6	p-Isopropyltoluene	ND	1.04	2.07	U
541-73-1	1,3-Dichlorobenzene	ND	1.04	2.07	U
106-46-7	1,4-Dichlorobenzene	ND	1.04	2.07	U
104-51-8	n-Butyl Benzene	ND	1.04	2.07	U
95-50-1	1,2-Dichlorobenzene	ND	1.04	2.07	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.04	2.07	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.04	2.07	U
87-68-3	Hexachlorobutadiene	ND	1.04	2.07	U
87-61-6	1,2,3-Trichlorobenzene	ND	1.04	2.07	U

Surrogate	% Recovery	Recovery Limits
1,2-Dichloroethane-d4	103%	70-130
Toluene-d8	103%	70-130
Bromofluorobenzene	103%	70-130

* Values outside of QC limits
 ND - Indicates compound analyzed for but not detected
 U - Indicates compound analyzed for but not detected
 J - Indicates estimated value for TICs and all results when detected below the RL
 B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard
 D - Indicates result is based on a dilution
 P - Greater than 25% diff. between 2 GC columns.
 MDL - Minimum detection limit
 RL - Reporting limit



ANALYSIS DATA SHEET
EPA 8270

Client: **BRINKERHOFF ENVIRONMENTAL**
 Client Sample ID: **EP-22**
 Lab Sample ID: **1601418-01**
 Project: **255 East 138 Street**
 Work Order: **1601418**

Date Sampled:	07/28/16 10:44	Prep Date:	08/02/16 06:18	Matrix:	Soil
Percent Solids:	89.20	Prep Method:	EPA 3550B GCMS	File ID:	E10954.D
Prep Batch:	B6H0203	Sequence:	S6H0308	Analyzed:	08/03/16 20:18
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
62-75-9	N-Nitrosodimethylamine	ND	37.3	187	U
108-95-2	Phenol	ND	37.3	187	U
111-44-4	bis(2-chloroethyl)ether	ND	37.3	187	U
95-57-8	2-Chlorophenol	ND	37.3	187	U
541-73-1	1,3-Dichlorobenzene	ND	37.3	187	U
106-46-7	1,4-Dichlorobenzene	ND	37.3	187	U
100-51-6	Benzyl alcohol	ND	37.3	187	U
95-50-1	1,2-Dichlorobenzene	ND	37.3	187	U
95-48-7	2-Methylphenol	ND	37.3	187	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	37.3	187	U
106-44-5	3 & 4-Methylphenol	ND	37.3	187	U
621-64-7	N-Nitroso-di-n-propylamine	ND	37.3	187	U
67-72-1	Hexachloroethane	ND	37.3	187	U
98-95-3	Nitrobenzene	ND	37.3	187	U
78-59-1	Isophorone	ND	37.3	187	U
88-75-5	2-Nitrophenol	ND	37.3	187	U
105-67-9	2,4-Dimethylphenol	ND	37.3	187	U
65-85-0	Benzoic acid	ND	93.0	373	U
111-91-1	bis(2-chloroethoxy)methane	ND	37.3	187	U
120-83-2	2,4-Dichlorophenol	ND	37.3	187	U
120-82-1	1,2,4-Trichlorobenzene	ND	37.3	187	U
91-20-3	Naphthalene	ND	37.3	187	U
106-47-8	4-Chloroaniline	ND <i>UJ</i>	37.3	187	U
87-68-3	Hexachlorobutadiene	ND	37.3	187	U
59-50-7	4-Chloro-3-methylphenol	ND	37.3	187	U

11/4/2016



ANALYSIS DATA SHEET
EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-22
Lab Sample ID: 1601418-01
Project: 255 East 138 Street
Work Order: 1601418

Date Sampled:	07/28/16 10:44	Prep Date:	08/02/16 06:18	Matrix:	Soil
Percent Solids:	89.20	Prep Method:	EPA 3550B GCMS	File ID:	E10954.D
Prep Batch:	B6H0203	Sequence:	S6H0308	Analyzed:	08/03/16 20:18
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
91-57-6	2-Methylnaphthylene	ND	37.3	187	U
77-47-4	Hexachlorocyclopentadiene	ND	37.3	187	U
88-06-2	2,4,6-Trichlorophenol	ND	37.3	187	U
95-95-4	2,4,5-Trichlorophenol	ND	37.3	187	U
91-58-7	2-Chloronaphthalene	ND	37.3	187	U
88-74-4	2-Nitroaniline	ND	37.3	187	U
131-11-3	Dimethylphthalate	ND	37.3	187	U
208-96-8	Acenaphthylene	ND	37.3	187	U
99-09-2	3-Nitroaniline	ND <i>u5</i>	37.3	187	U
83-32-9	Acenaphthene	ND	37.3	187	U
51-28-5	2,4-Dinitrophenol	ND <i>u5</i>	37.3	373	U
100-02-7	4-Nitrophenol	ND	37.3	187	U
132-64-9	Dibenzofuran	ND	37.3	187	U
606-20-2	2,6-Dinitrotoluene	ND	37.3	187	U
121-14-2	2,4-Dinitrotoluene	ND	37.3	187	U
84-66-2	Diethyl phthalate	ND	37.3	187	U
7005-72-3	4-Chlorophenyl-phenylether	ND	37.3	187	U
86-73-7	Fluorene	ND	37.3	187	U
100-01-6	4-Nitroaniline	ND	37.3	187	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	37.3	187	U
86-30-6	N-Nitrosodiphenylamine	ND	37.3	187	U
101-55-3	4-Bromophenyl-phenylether	ND	37.3	187	U
118-74-1	Hexachlorobenzene	ND	37.3	187	U
87-86-5	Pentachlorophenol	ND	37.3	187	U
85-01-8	Phenanthrene	ND	37.3	187	U

JMM 8/23/16



ANALYSIS DATA SHEET
EPA 8270

Client: **BRINKERHOFF ENVIRONMENTAL**
 Client Sample ID: **EP-22**
 Lab Sample ID: **1601418-01**
 Project: **255 East 138 Street**
 Work Order: **1601418**

Date Sampled:	07/28/16 10:44	Prep Date:	08/02/16 06:18	Matrix:	Soil
Percent Solids:	89.20	Prep Method:	EPA 3550B GCMS	File ID:	E10954.D
Prep Batch:	B6H0203	Sequence:	S6H0308	Analyzed:	08/03/16 20:18
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
120-12-7	Anthracene	ND	37.3	187	U
84-74-2	Di-n-butyl phthalate	ND	37.3	187	U
206-44-0	Fluoranthene	ND	37.3	187	U
129-00-0	Pyrene	ND	37.3	187	U
85-68-7	Butylbenzylphthalate	ND	37.3	187	U
91-94-1	3,3'-Dichlorobenzidine	ND	93.0	187	U
56-55-3	Benzo[a]anthracene	ND	37.3	187	U
117-81-7	bis(2-ethylhexyl)phthalate	ND	37.3	187	U
218-01-9	Chrysene	ND	37.3	187	U
117-84-0	Di-n-octyl phthalate	ND	37.3	187	U
205-99-2	Benzo[b]fluoranthene	ND	37.3	187	U
207-08-9	Benzo[k]fluoranthene	ND	37.3	187	U
50-32-8	Benzo[a]pyrene	ND	37.3	187	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	37.3	187	U
53-70-3	Dibenzo(a,h)anthracene	ND	37.3	187	U
191-24-2	Benzo[ghi]perylene	ND	37.3	187	U

<u>Surrogate</u>	<u>% Recovery</u>	<u>Recovery Limits</u>
2-Fluorophenol	61%	30-130
Phenol-d5	63%	30-130
Nitrobenzene-d5	88%	30-130
2-Fluorobiphenyl	85%	30-130
2,4,6-Tribromophenol	84%	30-130
Terphenyl-d14	97%	30-130



ANALYSIS DATA SHEET

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-22
Lab Sample ID: 1601418-01
Project: 255 East 138 Street
Work Order: 1601418

Date Sampled:	07/28/16 10:44	Prep Date:	08/02/16 06:14	Matrix:	Soil
Percent Solids:	89.20	Prep Method:	EPA 3550B	File ID:	A22561.D
Prep Batch:	B6H0202	Sequence:	S6H0302	Analyzed:	08/03/16 15:39
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
319-84-6	alpha-BHC	ND	0.740	0.740	U
319-85-7	beta-BHC	ND	0.740	0.740	U
319-86-8	delta-BHC	ND	0.740	0.740	U
58-89-9	gamma-BHC [Lindane]	ND	0.740	0.740	U
76-44-8	Heptachlor	ND	0.740	0.740	U
309-00-2	Aldrin	ND	0.740	0.740	U
1024-57-3	Heptachlor Epoxide	ND	0.740	0.740	U
959-98-8	Endosulfan I	ND	0.740	0.740	U
60-57-1	Dieldrin	ND	1.49	1.49	U
72-55-9	4,4'-DDE	ND	1.49	1.49	U
72-20-8	Endrin	ND	1.49	1.49	U
33213-65-9	Endosulfan II	ND	1.49	1.49	U
72-54-8	4,4'-DDD	ND	1.49	1.49	U
1031-07-8	Endosulfan sulfate	ND	1.49	1.49	U
50-29-3	4,4'-DDT	ND	1.49	1.49	U
72-43-5	Methoxychlor	ND	2.24	7.47	U
53494-70-5	Endrin ketone	ND	1.49	1.49	U
7421-93-4	Endrin aldehyde	ND	1.49	1.49	U
5103-71-9	alpha-Chlordane	ND	0.740	0.740	U
5566-34-7	gamma-Chlordane	ND	0.740	0.740	U
8001-35-2	Toxaphene	ND	37.3	37.3	U
12674-11-2	Aroclor-1016	ND	18.6	37.3	U



ANALYSIS DATA SHEET

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-22
Lab Sample ID: 1601418-01
Project: 255 East 138 Street
Work Order: 1601418

Date Sampled: 07/28/16 10:44	Prep Date: 08/02/16 06:14	Matrix: Soil
Percent Solids: 89.20	Prep Method: EPA 3550B	File ID: A22561.D
Prep Batch: B6H0202	Sequence: S6H0302	Analyzed: 08/03/16 15:39
Dilution: 1		Analyst: JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
11104-28-2	Aroclor-1221	ND	18.6	37.3	U
11141-16-5	Aroclor-1232	ND	18.6	37.3	U
53469-21-9	Aroclor-1242	ND	18.6	37.3	U
12672-29-6	Aroclor-1248	ND	18.6	37.3	U
11097-69-1	Aroclor-1254	ND	18.6	37.3	U
11096-82-5	Aroclor-1260	ND	18.6	37.3	U
37324-23-5	Aroclor-1262	ND	18.6	37.3	U
11100-14-4	Aroclor-1268	ND	18.6	37.3	U

<u>Surrogate</u>	<u>% Recovery</u>	<u>Recovery Limits</u>
Tetrachloro-m-xylene	59.6%	30-150
Tetrachloro-m-xylene [2C]	73.4%	30-150
Decachlorobiphenyl	64.1%	30-150
Decachlorobiphenyl [2C]	72.0%	30-150

* Values outside of QC limits

ND - Indicates compound analyzed for but not detected

U - Indicates compound analyzed for but not detected

J - Indicates estimated value for TICs and all results when detected below the RL

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.

MDL - Minimum detection limit

RL - Reporting limit



ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-22
Lab Sample ID: 1601418-01
Project: 255 East 138 Street
Work Order: 1601418

Date Sampled: 07/28/16 10:44	Matrix: Soil
Percent Solids: 89.20	File ID: 080216A-018

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
7429-90-5	Aluminum	6740	22.4	22.4	1		08/02/16 08:51	EPA 3050B	08/02/16 14:13 LIT	EPA 6010
7439-97-6	Mercury	ND	0.0841	0.0841	1	U	07/29/16 07:41	EPA 7471A	08/01/16 09:21 PRT	EPA 7471
7440-36-0	Antimony	ND	4.48	4.48	1	U	08/02/16 08:51	EPA 3050B	08/02/16 14:13 LIT	EPA 6010
7440-38-2	Arsenic	ND	1.12	1.12	1	U	08/02/16 08:51	EPA 3050B	08/02/16 14:13 LIT	EPA 6010
7440-39-3	Barium	39.4	22.4	22.4	1		08/02/16 08:51	EPA 3050B	08/02/16 14:13 LIT	EPA 6010
7440-41-7	Beryllium	ND	0.561	0.561	1	U	08/02/16 08:51	EPA 3050B	08/02/16 14:13 LIT	EPA 6010
7440-43-9	Cadmium	ND	0.561	0.561	1	U	08/02/16 08:51	EPA 3050B	08/02/16 14:13 LIT	EPA 6010
7440-70-2	Calcium	47200	701	701	25	D	08/02/16 08:51	EPA 3050B	08/02/16 14:53 LIT	EPA 6010
7440-47-3	Chromium	15.4	2.24	2.24	1		08/02/16 08:51	EPA 3050B	08/02/16 14:13 LIT	EPA 6010
7440-48-4	Cobalt	6.21	5.61	5.61	1		08/02/16 08:51	EPA 3050B	08/02/16 14:13 LIT	EPA 6010
7440-50-8	Copper	13.1	3.36	3.36	1		08/02/16 08:51	EPA 3050B	08/02/16 14:13 LIT	EPA 6010
7439-89-6	Iron	12100	28.0	28.0	1		08/02/16 08:51	EPA 3050B	08/02/16 14:13 LIT	EPA 6010
7439-92-1	Lead	6.79	1.12	1.12	1		08/02/16 08:51	EPA 3050B	08/02/16 14:13 LIT	EPA 6010
7439-95-4	Magnesium	29100	56.1	56.1	1		08/02/16 08:51	EPA 3050B	08/02/16 14:13 LIT	EPA 6010
7439-96-5	Manganese	515	2.24	2.24	1		08/02/16 08:51	EPA 3050B	08/02/16 14:13 LIT	EPA 6010
7440-02-0	Nickel	10.7	4.48	4.48	1		08/02/16 08:51	EPA 3050B	08/02/16 14:13 LIT	EPA 6010
7440-09-7	Potassium	1890	56.1	56.1	1		08/02/16 08:51	EPA 3050B	08/02/16 14:13 LIT	EPA 6010
7782-49-2	Selenium	ND	4.48	4.48	1	U	08/02/16 08:51	EPA 3050B	08/02/16 14:13 LIT	EPA 6010
7440-22-4	Silver	ND	0.561	0.561	1	U	08/02/16 08:51	EPA 3050B	08/02/16 14:13 LIT	EPA 6010
7440-23-5	Sodium	166	56.1	56.1	1		08/02/16 08:51	EPA 3050B	08/02/16 14:13 LIT	EPA 6010
7440-28-0	Thallium	ND	1.68	3.36	1	U	08/02/16 08:51	EPA 3050B	08/02/16 14:13 LIT	EPA 6010
7440-62-2	Vanadium	24.5	5.61	5.61	1		08/02/16 08:51	EPA 3050B	08/02/16 14:13 LIT	EPA 6010
7440-66-6	Zinc	36.8	6.73	6.73	1		08/02/16 08:51	EPA 3050B	08/02/16 14:13 LIT	EPA 6010

* Values outside of QC limits
 ND - Indicates compound analyzed for but not detected
 U - Indicates compound analyzed for but not detected
 J - Indicates estimated value for TICs and all results when detected below the RL
 B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard
 D - Indicates result is based on a dilution
 P - Greater than 25% diff. between 2 GC columns.
 MDL - Minimum detection limit
 RL - Reporting limit



ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-22
Lab Sample ID: 1601418-01
Project: 255 East 138 Street
Work Order: 1601418

Date Sampled: 07/28/16 10:44	Matrix: Soil
Percent Solids: 89.20	File ID:

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
16065-83-1	Trivalent Chromium	15.4	2.00	2.00	1		08/02/16 08:51	[CALC]	08/02/16 15:52 NNM	[CALC]
1854-02-99	Chromium, Hexava	ND	2.24	2.24	1	U	08/01/16 09:19	SW 846 3060A	08/02/16 15:52 NNM	EPA 7196A
NA	Cyanide (total)	ND	1.12	1.12	1	U	08/03/16 11:12	EPA 9010C	08/03/16 17:08 NNM	EPA 9014

CAS NO.	Analyte	Concentration (%)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
NA	Percent Solids	89.2	0.100	0.100	1		08/03/16 10:57	Percent Solids	08/04/16 13:07 RMK	SM 2540 G

* Values outside of QC limits
 ND - Indicates compound analyzed for but not detected
 U - Indicates compound analyzed for but not detected
 J - Indicates estimated value for TICs and all results when detected below the RL
 B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard
 D - Indicates result is based on a dilution
 P - Greater than 25% diff. between 2 GC columns.
 MDL - Minimum detection limit
 RL - Reporting limit

Appendix B

***Laboratory
QC
Documentation***



ANALYSIS DATA SHEET

Blank

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1601418
Project: 255 East 138 Street

Matrix:	Solid	Laboratory ID:	B6H0217-BLK1	File ID:	A8875.D
Batch:	B6H0217	Prepared:	08/02/16 08:57	Analyzed:	08/02/16 08:57
Column:	1	Preparation:	EPA 5035A	Dilution:	
		Sequence:	S6H0203	Instrument:	GC/MS A

CAS NO.	COMPOUND	CONC. (ug/kg wet)	MDL	RL	Q
107-02-8	Acrolein	ND	6.00	10.0	U
107-13-1	Acrylonitrile	ND	2.00	10.0	U
67-64-1	Acetone	ND	1.00	2.00	U
75-71-8	Dichlorodifluoromethane	ND	1.00	2.00	U
74-87-3	Chloromethane	ND	1.00	2.00	U
75-01-4	Vinyl chloride	ND	1.00	2.00	U
74-83-9	Bromomethane	ND	1.00	2.00	U
75-00-3	Chloroethane	ND	1.00	2.00	U
75-69-4	Trichlorofluoromethane	ND	1.00	2.00	U
75-35-4	1,1-Dichloroethene	ND	1.00	2.00	U
75-15-0	Carbon disulfide	ND	1.00	2.00	U
75-09-2	Methylene Chloride	1.52	1.00	2.00	J
156-60-5	trans-1,2-Dichloroethene	ND	1.00	2.00	U
75-34-3	1,1-Dichloroethane	ND	1.00	2.00	U
108-05-4	Vinyl acetate	ND	1.00	2.00	U
590-20-7	2,2-Dichloropropane	ND	1.00	2.00	U
78-93-3	2-Butanone	ND	1.00	2.00	U
156-59-4	cis-1,2-Dichloroethene	ND	1.00	2.00	U
67-66-3	Chloroform	ND	1.00	2.00	U
74-97-5	Bromochloromethane	ND	1.00	2.00	U
71-55-6	1,1,1-Trichloroethane	ND	1.00	2.00	U
563-58-6	1,1-Dichloropropene	ND	1.00	2.00	U
56-23-5	Carbon Tetrachloride	ND	1.00	2.00	U
107-06-2	1,2-Dichloroethane	ND	1.00	2.00	U



INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8260

Client: **BRINKERHOFF ENVIRONMENTAL**
 Work Order: **1601418**
 Project: **255 East 138 Street**

Calibration:	16G2901	Instrument:	GC/MS A
		Calibration Date:	7/28/2016 11:00:56AM

COMPOUND	Mean RF	RF RSD	LIMIT	Q
Acrolein	3.940028E-02	3.96743		
Acrylonitrile	9.664191E-02	10.03424		
Acetone	0.2048483	39.69748		
Dichlorodifluoromethane	0.6149421	13.26661		
Chloromethane	0.7591113	7.325997	SPCC (0.1)	
Vinyl chloride	0.7362654	8.753645	CCC (20)	
Bromomethane	0.5626239	10.75447		
Chloroethane	0.2338689	6.217668		
Trichlorofluoromethane	0.8001752	10.82604		
Freon 113	0.5444944	4.681728		
1,1-Dichloroethene	0.777461	4.210771	CCC (20)	
Carbon disulfide	1.858694	9.074759		
Methyl Acetate	0.1922845	11.73523		
Methylene Chloride	1.3004	104.2599		
trans-1,2-Dichloroethene	0.764663	8.951139		
1,1-Dichloroethane	0.8798868	5.384	SPCC (0.1)	
Vinyl acetate	0.7730708	10.04256		
2,2-Dichloropropane	0.8674895	10.00306		
2-Butanone	0.1876336	6.12607		
cis-1,2-Dichloroethene	0.7020811	9.315722		
Chloroform	0.8983923	6.321035	CCC (20)	
Bromochloromethane	0.2926808	3.87027		
Cyclohexane	0.8792215	8.624052		
1,1,1-Trichloroethane	0.8270675	5.890328		
t-Butyl alcohol	2.239046E-02	9.948907		



CONTINUING CALIBRATION VERIFICATION

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
 Work Order: 1601418
 Project: 255 East 138 Street

Instrument ID: GC/MS A	Calibration: 16G2901
Lab File ID: A8873.D	Calibration Date: 07/28/16 11:00
Sequence: S6H0203	Injection Date: 08/02/16
Lab Sample ID: S6H0203-CCV1	Injection Time: 07:56

COMPOUND	TYPE	CONC. (ug/L)		RESPONSE FACTOR			% DIFF	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acrolein	A	250	237	3.940028E-02	3.740806E-02		-5.1	
Acrylonitrile	A	250	250	9.664191E-02	9.665655E-02		0.02	
Acetone	L	50.0	53.5	0.2048483	0.1749495		-14.6	
Dichlorodifluoromethane	A	50.0	51.7	0.6149421	0.6360312		3.4	
Chloromethane	A	50.0	51.1	0.7591113	0.7757717	0.1	2.2	
Vinyl chloride	A	50.0	52.2	0.7362654	0.7686619		4.4	20
Bromomethane	A	50.0	46.1	0.5626239	0.5188619		-7.8	
Chloroethane	A	50.0	43.7	0.2338689	0.2045646		-12.5	
Trichlorofluoromethane	A	50.0	50.8	0.8001752	0.8128817		1.6	
Freon 113	A	50.0	44.9	0.5444944	0.4890326		-10.2	
1,1-Dichloroethene	A	50.0	46.1	0.777461	0.7172756		-7.7	20
Carbon disulfide	A	50.0	44.4	1.858694	1.651347		-11.2	
Methyl Acetate	A	50.0	48.2	0.1922845	0.1851878		-3.7	
Methylene Chloride	L	50.0	45.2	1.3004	0.6098004		-53.1	
trans-1,2-Dichloroethene	A	50.0	44.2	0.764663	0.6754736		-11.7	
1,1-Dichloroethane	A	50.0	49.1	0.8798868	0.8639389	0.1	-1.8	
Vinyl acetate	A	50.0	50.1	0.7730708	0.7749869		0.2	
2,2-Dichloropropane	A	50.0	46.6	0.8674895	0.8075662		-6.9	
2-Butanone	A	50.0	50.6	0.1876336	0.1898721		1.2	
cis-1,2-Dichloroethene	A	50.0	47.7	0.7020811	0.6694422		-4.6	
Chloroform	A	50.0	48.2	0.8983923	0.8661645		-3.6	20
Bromochloromethane	A	50.0	50.6	0.2926808	0.2958989		1.1	
Cyclohexane	A	50.0	47.8	0.8792215	0.8410953		-4.3	



LCS / LCS DUPLICATE RECOVERY

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138 Street
Work Order: 1601418

Matrix:	Solid	Prep Method:	EPA 3550B GCMS
Prep Batch:	B6H0203	Lab Sample ID:	B6H0203-BS1

ANALYTE	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC.	QC LIMITS REC.
Pyridine	1670	1000	60	20 - 160
N-Nitrosodimethylamine	1670	1190	71	20 - 160
Aniline	1670	761	46	20 - 160
Phenol	1670	1130	68	20 - 160
bis(2-chloroethyl)ether	1670	1180	71	70 - 130
2-Chlorophenol	1670	1180	71	70 - 130
1,3-Dichlorobenzene	1670	1260	76	70 - 130
1,4-Dichlorobenzene	1670	1250	75	70 - 130
Benzyl alcohol	1670	1200	72	20 - 160
1,2-Dichlorobenzene	1670	1240	75	70 - 130
2-Methylphenol	1670	1120	67	20 - 160
bis(2-chloroisopropyl)ether	1670	1250	75	70 - 130
3 & 4-Methylphenol	1670	1110	66	20 - 160
N-Nitroso-di-n-propylamine	1670	1210	72	70 - 130
Hexachloroethane	1670	1290	77	20 - 160
Nitrobenzene	1670	1410	85	70 - 130
Isophorone	1670	1340	81	70 - 130
2-Nitrophenol	1670	1340	80	70 - 130
2,4-Dimethylphenol	1670	1360	82	70 - 130
bis(2-chloroethoxy)methane	1670	1310	79	70 - 130
2,4-Dichlorophenol	1670	1310	79	70 - 130
1,2,4-Trichlorobenzene	1670	1400	84	70 - 130
Naphthalene	1670	1360	81	70 - 130
4-Chloroaniline	1670	394	24	70 - 130
Hexachlorobutadiene	1670	1510	90	70 - 130
4-Chloro-3-methylphenol	1670	1300	78	70 - 130
2-Methylnaphthylene	1670	1260	76	70 - 130
Hexachlorocyclopentadiene	1670	1070	64	20 - 160



LCS / LCS DUPLICATE RECOVERY

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138 Street
Work Order: 1601418

Matrix:	Solid	Prep Method:	EPA 3550B GCMS
Prep Batch:	B6H0203	Lab Sample ID:	B6H0203-BS1

ANALYTE	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC.	QC LIMITS REC.
2,4,6-Trichlorophenol	1670	1420	85	70 - 130
2,4,5-Trichlorophenol	1670	1390	84	70 - 130
2-Chloronaphthalene	1670	1480	89	70 - 130
2-Nitroaniline	1670	1560	94	70 - 130
Dimethylphthalate	1670	1460	87	70 - 130
Acenaphthylene	1670	1430	86	70 - 130
3-Nitroaniline	1670	950	57	70 - 130
Acenaphthene	1670	1490	90	70 - 130
2,4-Dinitrophenol	1670	1380	83	20 - 160
4-Nitrophenol	1670	1430	86	20 - 160
Dibenzofuran	1670	1460	88	70 - 130
2,6-Dinitrotoluene	1670	1500	90	70 - 130
2,4-Dinitrotoluene	1670	1500	90	70 - 130
2,3,4,6-Tetrachlorophenol	1670	1400	84	70 - 130
Diethyl phthalate	1670	1460	87	70 - 130
4-Chlorophenyl-phenylether	1670	1480	89	70 - 130
Fluorene	1670	1430	86	70 - 130
4-Nitroaniline	1670	1240	74	70 - 130
4,6-Dinitro-2-methylphenol	1670	1660	100	70 - 130
Carbazole	1670	1450	87	70 - 130
N-Nitrosodiphenylamine	1670	1550	93	20 - 160
Azobenzene	1670	1540	92	70 - 130
4-Bromophenyl-phenylether	1670	1580	95	70 - 130
Hexachlorobenzene	1670	1640	99	70 - 130
Pentachlorophenol	1670	1300	78	20 - 160
Phenanthrene	1670	1530	92	70 - 130
Anthracene	1670	1490	89	70 - 130
Di-n-butyl phthalate	1670	1450	87	70 - 130



INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
 Work Order: 1601418
 Project: 255 East 138 Street

Calibration:	16G1402	Instrument:	GC/MS E
		Calibration Date:	6/6/2016 2:44:35PM

COMPOUND	Mean RF	RF RSD	LIMIT	Q
Naphthalene	1.014413	7.446843		
4-Chloroaniline	0.5030556	3.466959		
Hexachlorobutadiene	0.1549383	2.975079	CCC (20)	
Caprolactam	0.2059759	4.024724		
4-Chloro-3-methylphenol	0.3148834	3.706397	CCC (20)	
2-Methylnaphthylene	0.7209771	8.193629		
1,2,4,5-Tetrachlorobenzene	0.4894636	6.658484		
Hexachlorocyclopentadiene	0.3043353	8.043457	SPCC (0.05)	
2,4,6-Trichlorophenol	0.3810716	2.654666	CCC (20)	
2,4,5-Trichlorophenol	0.3910356	4.219982		
2-Chloronaphthalene	1.117736	7.950694		
1,1-Biphenyl	1.303017	12.75237		
2-Nitroaniline	0.3230266	2.83713		
Dimethylphthalate	1.295766	8.404396		
Acenaphthylene	1.728125	9.846874		
3-Nitroaniline	0.429227	1.460559		
Acenaphthene	1.061398	6.631354	CCC (20)	
2,4-Dinitrophenol	0.1418895	43.47269	SPCC (0.05)	
4-Nitrophenol	0.1116238	3.556766	SPCC (0.05)	
Dibenzofuran	1.565428	9.233606		
2,6-Dinitrotoluene	0.3316834	2.19327		
2,4-Dinitrotoluene	0.4046039	2.990609		
2,3,4,6-Tetrachlorophenol	0.3201041	3.652533		
Diethyl phthalate	1.292764	9.050481		
4-Chlorophenyl-phenylether	0.5728172	9.142366		



CONTINUING CALIBRATION VERIFICATION

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
 Work Order: 1601418
 Project: 255 East 138 Street

Instrument ID: GC/MS E	Calibration: 16G1402
Lab File ID: E10945.D	Calibration Date: 06/06/16 14:44
Sequence: S6H0308	Injection Date: 08/03/16
Lab Sample ID: S6H0308-CCV1	Injection Time: 13:49

COMPOUND	TYPE	CONC. (mg/L)		RESPONSE FACTOR			% DIFF	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dichlorophenol	A	50.0	52.9	0.3153011	0.3337258		5.8	20
1,2,4-Trichlorobenzene	A	50.0	52.6	0.3242736	0.3413604		5.3	
Naphthalene	A	50.0	51.4	1.014413	1.043226		2.8	
4-Chloroaniline	A	50.0	48.2	0.5030556	0.4846333		-3.7	
Hexachlorobutadiene	A	50.0	55.4	0.1549383	0.1716007		10.8	20
Caprolactam	A	50.0	53.4	0.2059759	0.2200891		6.9	
4-Chloro-3-methylphenol	A	50.0	50.9	0.3148834	0.320676		1.8	20
2-Methylnaphthylene	A	50.0	48.6	0.7209771	0.7006159		-2.8	
1,2,4,5-Tetrachlorobenzene	A	50.0	58.5	0.4894636	0.5725625		17.0	
Hexachlorocyclopentadiene	A	50.0	42.3	0.3043353	0.2574149	0.05	-15.4	
2,4,6-Trichlorophenol	A	50.0	52.7	0.3810716	0.4018038		5.4	20
2,4,5-Trichlorophenol	A	50.0	51.2	0.3910356	0.4000262		2.3	
2-Chloronaphthalene	A	50.0	52.0	1.117736	1.162106		4.0	
1,1-Biphenyl	A	50.0	56.6	1.303017	1.47599		13.3	
2-Nitroaniline	A	50.0	57.4	0.3230266	0.3708835		14.8	
Dimethylphthalate	A	50.0	49.0	1.295766	1.268923		-2.1	
Acenaphthylene	A	50.0	52.3	1.728125	1.807368		4.6	
3-Nitroaniline	A	50.0	50.6	0.429227	0.4342052		1.2	
Acenaphthene	A	50.0	51.6	1.061398	1.096277		3.3	20
2,4-Dinitrophenol	L	50.0	58.9	0.1418895	0.2253754	0.05	58.8	
4-Nitrophenol	A	50.0	54.9	0.1116238	0.1226717	0.05	9.9	
Dibenzofuran	A	50.0	51.8	1.565428	1.622596		3.7	
2,6-Dinitrotoluene	A	50.0	51.1	0.3316834	0.3389988		2.2	

Appendix C

Validator Qualifications

KENNETH R. APPLIN
Geochemist/Data Validator

Ph.D., Geochemistry and Mineralogy, The Pennsylvania State University

M.S., Geochemistry and Mineralogy, The Pennsylvania State University

B.A., Geological Sciences, SUNY at Geneseo, NY

Dr. Applin has over 35 years of experience working with the geochemistry of natural waters. His prior experience includes working as an Assistant Professor of Geology at the University of Missouri-Columbia and as Chief Hydrogeologist and Geochemist with a leading engineering firm in Rochester, NY. In 1993, he established KR Applin and Associates, a small consulting business that focuses on the geochemistry of natural waters, especially as applied to problems involving the contamination of groundwater and surface water.

Dr. Applin is also an experienced analytical data validator and has provided data validation services since 1994 to a variety of clients performing brownfield cleanup projects, hazardous waste remediation, groundwater monitoring at solid waste facilities, and other projects requiring third-party data validation. Dr. Applin has several years of hands-on experience with the laboratory analysis of natural waters and has successfully completed the USEPA Region II certification courses for performing inorganic and organic analytical data validation.

MICHAEL K. PERRY
Chemist/Data Validator

B.S. Chemistry, Georgia State University, Atlanta, GA

A.A.S., Chemical Technology, Alfred State College, Alfred, NY

Mr. Perry has over 30 years of experience in the analytical laboratory business. During his early career, he spent several years as a laboratory analyst performing the analysis of soil, water, and air samples for inorganic and organic chemical parameters. During his last 20 years in the environmental laboratory business, he managed and directed two major analytical laboratories in Rochester, NY. His management responsibilities included oversight of the daily operations of the lab, staff training and supervision, the selection, purchase, and maintenance of analytical instruments, the introduction of new laboratory methods, analytical quality assurance and quality control, data acquisition and management, and other business-related activities.

Mr. Perry has an extensive working knowledge of the methods and procedures used for sampling and analyzing both inorganic and organic analytes in soil, water, and air. He is an accomplished laboratory chemist and is familiar with the analytical methods and procedures established under the USEPA Contract Laboratory Protocols (CLP), the NYSDEC Analytical Services Protocols (ASP), and the NYSDOH Environmental Laboratory Approval Program (ELAP).

DATA USABILITY SUMMARY REPORT (DUSR)

**Former G & C Services
255 East 138th Street
Bronx, NY
NYSDEC BCP # C203057**

SDG: 1601448
1 Soil Sample

Prepared for:

**Brinkerhoff Environmental Services, Inc.
1805 Atlantic Avenue
Manasquan, NJ 08736**

October 2016



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1.0 SUMMARY	1
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4.0 GUIDANCE DOCUMENTS AND DATA REVIEW CRITERIA	2
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APPENDIX A	Validated Analytical Results
APPENDIX B	Laboratory QC Documentation
APPENDIX C	Validator Qualifications

Tables

Table 4-1	Data Validation Guidance Documents
Table 4-2	Quality Control Criteria for Validating Laboratory Analytical Data

Summaries of Validated Results

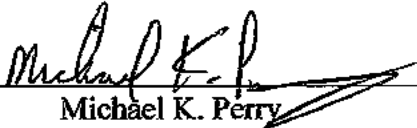
Table 6-1	VOCs
Table 6-2	SVOCs
Table 6-3	Pesticides
Table 6-4	PCBs
Table 6-5	Metals
Table 6-6	Wet Chemistry

REVIEWER'S NARRATIVE
SDG 1601448

The data associated with this Sample Delivery Group (SDG) 1601448, analyzed by Accredited Analytical Resources, LLC, Carteret, NJ have been reviewed in accordance with assessment criteria provided by the New York State Department of Environmental Conservation following the review procedures provided in the USEPA Functional Guidelines for evaluating organic and inorganic data.

All analytical results reported by the laboratory are considered valid and acceptable except results that have been qualified as rejected, "R". Results qualified as estimated "J", or as non-detects, "U", are considered usable for the purpose of evaluating water and/or soil quality. However, these qualifiers indicate that the accuracy and/or precision of the analytical result is questionable. A summary of all data that have been qualified and the reasons for qualification are provided in the following data usability summary report (DUSR).

Two facts should be noted by all data users. First, the "R" qualifier means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the analyte is present or not. Values qualified with an "R" should not appear on the final data tables because they cannot be relied upon, even as the last resort. Second, no analyte concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error.

Reviewer's Signature:  Date: 10/27/16
Michael K. Perry
Chemist

1.0 SUMMARY

SITE:	255 East 138 th Street. Bronx, NY
SAMPLING DATE:	August 1, 2016
SAMPLE TYPE:	1 soil sample
LABORATORY:	Accredited Analytical Resources, LLC. Carteret, NJ
SDG No.:	1601448

2.0 INTRODUCTION

This data usability summary report (DUSR) was prepared in accordance with guidance provided by the New York State Department of Environmental Conservation (NYSDEC). The DUSR is based on a review and evaluation of the laboratory analytical data package. Specifically, the NYSDEC guidance recommends review and evaluation of the following elements of the data package:

- Completeness of the data package as defined under the requirements of the NYSDEC Analytical Services Protocols (ASP) Category B or the United States Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) deliverables,
- Compliance with established analyte holding times,
- Adherence to quality control (QC) limits and specifications for blanks, instrument tuning and calibration, surrogate recoveries, spike recoveries, laboratory duplicate analyses, and other QC criteria,
- Adherence to established analytical protocols,
- Conformance of data summary sheets with raw analytical data, and
- Use of correct data qualifiers.

Data deficiencies, analytical protocol deviations, and quality control problems identified using the review criteria above and their effect on the analytical results are discussed in this report.

3.0 SAMPLE AND ANALYSIS SUMMARY

The data package consists of analytical results for one soil sample collected on August 1, 2016. This sample was analyzed for volatile organic compounds, semi-volatile organic compounds, pesticides, polychlorinated biphenyls (PCBs), TAL metals, hexavalent chromium, and total cyanide.

All laboratory analyses were performed by Accredited Analytical Resources, LLC., Carteret, NJ and analyzed as SDG 1601448. The analytical results were provided in NYSDEC ASP Category B format, which includes all raw analytical data and laboratory QC data.

4.0 GUIDANCE DOCUMENTS AND DATA REVIEW CRITERIA

The guidance documents used for reviewing laboratory quality control (QC) data and assigning data qualifiers (flags) to analytical results are listed in Table 4-1. The QC limits established in the documents applicable to this data review were used to assess the quality of the analytical results. In some cases, however, QC limits established internally by the laboratory were taken into account to determine data quality.

The QC criteria considered for assessing the usability of the reported analytical results provided for each analyte type (i.e. VOCs, SVOCs, metals, etc.) are listed in Table 4-2. These criteria may vary with the analytical method utilized by the laboratory. These criteria comply with the guidance recommended in Section 2.0 above.

5.0 DATA VALIDATION QUALIFIERS

The letter qualifiers (flags) used to define data usability are described briefly below. These letters are assigned by the data validator to analytical results having questionable accuracy and/or precision as determined by reviewing the laboratory QC data associated with the analytical results.

TABLE 4-1**DATA VALIDATION GUIDANCE DOCUMENTS**

Analyte Type	Validation Guidance
VOCs	USEPA, 2008, Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry; SW-846 Method 8260B; SOP # HW-24, Rev. 2. USEPA, 2008, Statement of Work for Organic Analysis of Low/Medium Concentration of Volatile Organic Compounds SOM01.2; SOP HW-33, Rev. 2.
SVOCs	USEPA, 2007, Statement of Work for Organic Analysis of Low/Medium Concentration of Semivolatile Organic Compounds SOM01.2; SOP HW-35, Rev. 1.
Pesticides/PCBs	USEPA, 2006, CLP Organics Data Review and Preliminary Review (CLP/SOW OLMO 4.3); SOP # HW-6, Rev. 14, Part C.
Metals	USEPA, 2006, Validation of Metals for the Contract Laboratory Program (CLP) based on SOW ILMO 5.3 (SOP Revision 13), SOP # HW-2, Rev. 13.
Gen Chemistry	NYSDEC, 2005, Analytical Services Protocols (ASP)
VOCs (Ambient air)	USEPA, 2006, Validating Air Samples, Volatile Organic Analysis of Ambient Air in Canister by Method TO-15; SOP # HW-31, Rev. 4.

TABLE 4-2

**QUALITY CONTROL CRITERIA USED FOR VALIDATING
LABORATORY ANALYTICAL DATA**

VOCs	SVOCs	Pesticides/PCBs	Metals	Gen Chemistry	Method TO-15
Completeness of Pkg Sample Condition Holding Time System Monitoring Compounds Lab Control Sample Matrix Spikes Blanks Instrument Tuning Internal Standards Initial Calibration Continuing Calibration Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Time Surrogate Recoveries Lab Control Sample Matrix Spikes Blanks Instrument Tuning Internal Standards Initial Calibration Continuing Calibration Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Time Surrogate Recoveries Matrix Spikes Blanks Instrument Calibration & Verification Analyte ID Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Time Initial/Continuing Calibration CRDL Standards Blanks Interference Check Sample Spike Recoveries Lab Duplicate Lab Control Sample ICP Serial Dilutions Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Times Calibration Lab Control Samples Blanks Spike Recoveries Lab Duplicates	Completeness of Pkg Sample Condition Holding Time Canister Certification Lab Control Sample Instrument Tuning Blanks Initial Calibration & System Performance Daily Calibration Field Duplicate

The laboratory may also use various letters and symbols to flag analytical results generated when QC limits were exceeded. The meanings of these flags may differ from those used by the independent data validator. Those used by the laboratory are provided with the analytical results.

NOTE: The assignment of data qualifiers by the data reviewer (validator) to laboratory analytical results should not necessarily be interpreted by the data user as a measure of laboratory ability or proficiency. Rather, the qualifiers are intended to provide a measure of data accuracy and precision to the data user, which, for example, may provide a level of confidence in determining whether or not standards or cleanup objectives have been met.

- U** The analyte was analyzed for but was not detected at or above the sample quantitation limit.
- J** The analyte was positively identified; the associated numerical value is the *approximate* concentration of the analyte in the sample. (The magnitude of any \pm value associated with the result is not determined by data validation).
- UJ** The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is *approximate* and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R** The sample result is rejected (i.e., is unusable) due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
- N** The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
- JN** The analyte is considered to be "presumptively present." The associated numerical value represents its *approximate* concentration.

The validated analytical results are attached to this report. Validation qualifiers (flags) are indicated using red ink. Data sheets having qualified data are signed and dated by the data reviewer.

6.0 RESULTS OF THE DATA REVIEW

The results of the data review are summarized in Tables 6-1 through 6-6. The tables list the samples where QC criteria were found to exceed acceptable limits and the actions taken to qualify the associated analytical results.

7.0 TOTAL USABLE DATA

For SDG 1601448, one sample was analyzed and results were reported for 191 analytes. Even though some results were flagged with a "J" as estimated, all results (100 %) are considered usable. See the summary table for the analyses that have been rejected and the associated QC reasons.

Table 6-1 **VOCs**

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
EP-23	Methylene Chloride	J all data 10X MB value	Detected in the method blank	Data is estimated
EP-23	Acetone	J detects	ICV RPD > 20 %	Sample detects are estimated
EP-23	Methylene Chloride	UJ non-detects J detects	CCV % D > 20 %	Samples are estimated

Table 6-2 **SVOCs**

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
EP-23	4-Chloroaniline 3-Nitroaniline	"UJ"	LCS < 70 % QC limit	All samples non-detect
EP-23	2,4-Dinitrophenol	J detects	ICV > 40 %	All samples non-detect
EP-23	2,4-Dinitrophenol	UJ non-detects J detects	CCV > 40 %	All samples non-detect

Table 6-3 Pesticides

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

Table 6-4 PCBs

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

Table 6-5 TAL Metals

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

Table 6-6 Wet Chemistry

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

ACRONYMS

BSP	Blank Spike
CCAL	Continuing Calibration
CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification
CRDL	Contract Required Detection Limit
CRQL	Contract Required Quantitation Limit
%D	Percent Difference
ICAL	Initial Calibration
ICB	Initial Calibration Blank
IS	Internal Standard
LCS	Laboratory Control Sample
MS/MSD	Matrix Spike/Matrix Spike Duplicate
QA	Quality Assurance
QC	Quality Control
%R	Percent recovery
RPD	Relative Percent Difference
%RSD	Percent Relative Standard Deviation
TAL	Target Analyte List (metals)
TCL	Target Compound List (organics)

Appendix A

*Validated
Analytical
Results*



Accredited Analytical Resources, LLC.

ANALYTICAL REPORT

for

BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.

Manasquan, NJ 08736

Project: 255 East 138th Street

AAR Work Order: 1601448

<u>Client Sample ID:</u> EP-23	<u>Lab Sample ID:</u> 1601448-01
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This data has been reviewed and accepted by:

Daniel Miguel
Technical Director

08/24/2016

New Jersey Certification Number: 12007
New York Certification Number: 11109
Pennsylvania Certification Number: 68-02799

This report shall not be reproduced, except in its entirety, without the written consent of Accredited Analytical Resources, LLC.
The test results included in this report relate only to the samples analyzed.



Case Narrative

Conformance / Non-Conformance Summary

Accredited Analytical Resources, LLC received 1 sample(s) from BRINKERHOFF ENVIRONMENTAL (Project: 255 East 138th Street) on 08/01/2016 15:05.

All analyses were performed within the required holding time.

In the Volatile Organic analyses, the methylene chloride result reported is due to laboratory contamination.

In the Volatile Organic analyses, B6H0217-MS1/MSD1 had compounds recovered outside acceptance criteria due to matrix interference, the LCS was recovered within acceptance limits for all compounds; therefore, no further action required.

In the BNA analyses, the laboratory control sample (LCS) for Batch B6H0203 recovered outside control limits for multiple analytes. These analytes were recovered within house limits; therefore, the data has been reported.

In the BNA analyses, the MS/MSD for Batch B6H0203 had compounds recovered outside acceptance criteria due to matrix interference, the LCS was recovered within acceptance limits for affected compounds; therefore, no further action required.

In the Metals analysis the recoveries of the MS/MSD are outside of acceptance criteria. The QC sample had concentrations too high to be able to determine a spike recovery. The LCS was within acceptance criteria for those metals out in the MS/MSD. The results are included in this data package.

Except for the parameters tested AAR makes no representation as to the fitness or quality of the sample (s) taken.

"The laboratory has reviewed the quality assurance and quality control measurements for the sample analyses."

Daniel Miguel
Technical Director



Accredited Analytical Resources, LLC.

20 PERSHING AVE, CARTERET, NJ 07008
Tel. 732-969-6112 FAX 732-541-1383
WEB: WWW.ACCREDITEDANALYTICAL.COM

CHAIN OF CUSTODY FORM

CLIENT NAME: Brinkerhoff Environmental
 ADDRESS: 1805 Atlantic Ave.
 CITY: Manasquan
 STATE: NJ ZIP: 08736

STATE AGENCY (CIRCLE ONE): NJ (NY) PA
 PROJECT NAME: 255 East 138th Street
 CONTACT: Sean Harrison
 OFFICE PHONE #: (732) 223-2225
 OFFICE FAX #: (732) 223-3666
 INITIAL RESULTS TO: Sharrison@brinkenv.com
 EMAIL FOR INVOICE: Sharrison@brinkenv.com

AAR QUOTE #: _____
 AAR WORK ORDER #: 1631448
 P.O. #: 10DR11Y

COLLECTION INFORMATION						ANALYSIS										AAR SAMPLE #		
CUSTOMER SAMPLE #/ID	DATE/TIME SAMPLED	MATRIX CODE	DEPTH	# OF CONTAINERS	GRAB (G) COMP (C)	/ / / / / / / / / / / / / / / /												
EP-23	8/16/14	S	4'	4	G	TALITCL Hex chrom Tri chrom										-01		

MATRIX CODES: S = SOIL A = AQUEOUS GW = GROUND WATER WW = WASTE WATER SW = SURFACE WATER P = POTABLE WATER O = OIL K = SOLID X = OTHER
 CONTAINER TYPE CODES: G = GLASS P = PLASTIC E = ENCORE PRESERVATIVES CODES: 1 = HCL 2 = HNO3 3 = H2SO4 4 = NaOH 5 = OTHER
 TURNAROUND TIME: STANDARD (5 DAY) 72 HRS. 48 HRS. 24 HRS. OTHER _____
 (CIRCLE ONE) (IF BLANK STANDARD WILL APPLY)
 REPORT TYPE: RESULTS ONLY _____ REDUCED _____ FULL (X) EDD _____ EXCEL SPREADSHEET _____

COMMENTS: NYSDEC Category B Data deliverables COOLER TEMP: 4°C

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: Jonathan Kraus SIGN: ptok

SIGN BELOW WHEN DELIVERING SAMPLES. EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY, CUSTODY MUST BE DOCUMENTED.

RELINQUISHED BY:		RECEIVED BY:		RELINQUISHED BY:		RECEIVED BY:	
Print Name: <u>Jonathan Kraus</u>	Print Name: <u>K. Muniz</u>	Print Name:	Print Name:	Print Name:	Print Name:	Print Name:	Print Name:
Signature: <u>[Signature]</u>	Signature: <u>[Signature]</u>	Signature:	Signature:	Signature:	Signature:	Signature:	Signature:
Agent of: <u>Brinkerhoff</u>	Agent of: <u>AAR</u>	Agent of:	Agent of:	Agent of:	Agent of:	Agent of:	Agent of:
Date Received: <u>8/1/16</u>	Time: <u>1505</u>	Date Received:	Time:	Date Received:	Time:	Date Received:	Time:



ANALYSIS DATA SHEET
EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-23
Lab Sample ID: 1601448-01
Project: 255 East 138th Street
Work Order: 1601448

Date Sampled:	08/01/16 11:40	Prep Date:	08/02/16 12:33	Matrix:	Soil
Percent Solids:	85.10	Prep Method:	EPA 5035A	File ID:	A8882.D
Prep Batch:	B6H0217	Sequence:	S6H0203	Analyzed:	08/02/16 12:33
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
107-02-8	Acrolein	ND	6.14	10.2	U
107-13-1	Acrylonitrile	ND	2.05	10.2	U
67-64-1	Acetone	1.17 J	1.02	2.05	J
75-71-8	Dichlorodifluoromethane	ND	1.02	2.05	U
74-87-3	Chloromethane	ND	1.02	2.05	U
75-01-4	Vinyl chloride	ND	1.02	2.05	U
74-83-9	Bromomethane	ND	1.02	2.05	U
75-00-3	Chloroethane	ND	1.02	2.05	U
75-69-4	Trichlorofluoromethane	ND	1.02	2.05	U
75-35-4	1,1-Dichloroethene	ND	1.02	2.05	U
75-15-0	Carbon disulfide	ND	1.02	2.05	U
75-09-2	Methylene Chloride	1.57 J	1.02	2.05	J, B
156-60-5	trans-1,2-Dichloroethene	ND	1.02	2.05	U
75-34-3	1,1-Dichloroethane	ND	1.02	2.05	U
108-05-4	Vinyl acetate	ND	1.02	2.05	U
590-20-7	2,2-Dichloropropane	ND	1.02	2.05	U
78-93-3	2-Butanone	ND	1.02	2.05	U
156-59-4	cis-1,2-Dichloroethene	ND	1.02	2.05	U
67-66-3	Chloroform	ND	1.02	2.05	U
74-97-5	Bromochloromethane	ND	1.02	2.05	U
71-55-6	1,1,1-Trichloroethane	ND	1.02	2.05	U
563-58-6	1,1-Dichloropropene	ND	1.02	2.05	U
56-23-5	Carbon Tetrachloride	ND	1.02	2.05	U
107-06-2	1,2-Dichloroethane	ND	1.02	2.05	U
71-43-2	Benzene	ND	1.02	2.05	U

MAP 10/27/16



ANALYSIS DATA SHEET
EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-23
Lab Sample ID: 1601448-01
Project: 255 East 138th Street
Work Order: 1601448

Date Sampled:	08/01/16 11:40	Prep Date:	08/02/16 12:33	Matrix:	Soil
Percent Solids:	85.10	Prep Method:	EPA 5035A	File ID:	A8882.D
Prep Batch:	B6H0217	Sequence:	S6H0203	Analyzed:	08/02/16 12:33
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
79-01-6	Trichloroethene	ND	1.02	2.05	U
78-87-5	1,2-Dichloropropane	ND	1.02	2.05	U
75-27-4	Bromodichloromethane	ND	1.02	2.05	U
74-95-3	Dibromomethane	ND	1.02	2.05	U
110-75-8	2-Chloroethyl vinyl ether	ND	1.02	2.05	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.02	2.05	U
108-88-3	Toluene	ND	1.02	2.05	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.02	2.05	U
79-00-5	1,1,2-Trichloroethane	ND	1.02	2.05	U
108-10-1	4-Methyl-2-pentanone	ND	1.02	2.05	U
106-93-4	1,2-Dibromoethane	ND	1.02	2.05	U
591-78-6	2-Hexanone	ND	1.02	2.05	U
142-28-9	1,3-Dichloropropane	ND	1.02	2.05	U
127-18-4	Tetrachloroethene	ND	1.02	2.05	U
124-48-1	Dibromochloromethane	ND	1.02	2.05	U
100-41-4	Ethylbenzene	ND	1.02	2.05	U
108-90-7	Chlorobenzene	ND	1.02	2.05	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.02	2.05	U
108-38-3/106-42	m,p-Xylenes	ND	2.05	4.09	U
95-47-6	o-Xylene	ND	2.05	4.09	U
100-42-5	Styrene	ND	1.02	4.09	U
75-25-2	Bromoform	ND	1.02	2.05	U
98-82-8	Isopropylbenzene	ND	1.02	2.05	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.02	2.05	U
96-18-4	1,2,3-Trichloropropane	ND	1.02	2.05	U



ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-23
Lab Sample ID: 1601448-01
Project: 255 East 138th Street
Work Order: 1601448

Date Sampled:	08/01/16 11:40	Prep Date:	08/02/16 12:33	Matrix:	Soil
Percent Solids:	85.10	Prep Method:	EPA 5035A	File ID:	A8882.D
Prep Batch:	B6H0217	Sequence:	S6H0203	Analyzed:	08/02/16 12:33
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
103-65-1	n-Propyl Benzene	ND	1.02	2.05	U
108-86-1	Bromobenzene	ND	1.02	2.05	U
108-67-8	1,3,5-Trimethylbenzene	ND	1.02	2.05	U
95-49-8	2-Chlorotoluene	ND	1.02	2.05	U
106-43-4	4-Chlorotoluene	ND	1.02	2.05	U
98-06-6	tert-Butylbenzene	ND	1.02	2.05	U
95-63-6	1,2,4-Trimethylbenzene	ND	1.02	2.05	U
135-98-8	sec-Butylbenzene	ND	1.02	2.05	U
99-87-6	p-Isopropyltoluene	ND	1.02	2.05	U
541-73-1	1,3-Dichlorobenzene	ND	1.02	2.05	U
106-46-7	1,4-Dichlorobenzene	ND	1.02	2.05	U
104-51-8	n-Butyl Benzene	ND	1.02	2.05	U
95-50-1	1,2-Dichlorobenzene	ND	1.02	2.05	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.02	2.05	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.02	2.05	U
87-68-3	Hexachlorobutadiene	ND	1.02	2.05	U
87-61-6	1,2,3-Trichlorobenzene	ND	1.02	2.05	U
	<u>Surrogate</u>	<u>% Recovery</u>	<u>Recovery Limits</u>		
	1,2-Dichloroethane-d4	106%	70-130		
	Toluene-d8	103%	70-130		
	Bromofluorobenzene	102%	70-130		

* Values outside of QC limits

ND - Indicates compound analyzed for but not detected

U - Indicates compound analyzed for but not detected

J - Indicates estimated value for TICs and all results when detected below the RL

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

F - Greater than 25% diff. between 2 GC columns.

MDL - Minimum detection limit

RL - Reporting limit



ANALYSIS DATA SHEET
EPA 8270

Client: **BRINKERHOFF ENVIRONMENTAL**
 Client Sample ID: **EP-23**
 Lab Sample ID: **1601448-01**
 Project: **255 East 138th Street**
 Work Order: **1601448**

Date Sampled:	08/01/16 11:40	Prep Date:	08/02/16 06:18	Matrix:	Soil
Percent Solids:	85.10	Prep Method:	EPA 3550B GCMS	File ID:	E10951.D
Prep Batch:	B6H0203	Sequence:	S6H0308	Analyzed:	08/03/16 18:08
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
62-75-9	N-Nitrosodimethylamine	ND	39.1	196	U
108-95-2	Phenol	ND	39.1	196	U
111-44-4	bis(2-chloroethyl)ether	ND	39.1	196	U
95-57-8	2-Chlorophenol	ND	39.1	196	U
541-73-1	1,3-Dichlorobenzene	ND	39.1	196	U
106-46-7	1,4-Dichlorobenzene	ND	39.1	196	U
100-51-6	Benzyl alcohol	ND	39.1	196	U
95-50-1	1,2-Dichlorobenzene	ND	39.1	196	U
95-48-7	2-Methylphenol	ND	39.1	196	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	39.1	196	U
106-44-5	3 & 4-Methylphenol	ND	39.1	196	U
621-64-7	N-Nitroso-di-n-propylamine	ND	39.1	196	U
67-72-1	Hexachloroethane	ND	39.1	196	U
98-95-3	Nitrobenzene	ND	39.1	196	U
78-59-1	Isophorone	ND	39.1	196	U
88-75-5	2-Nitrophenol	ND	39.1	196	U
105-67-9	2,4-Dimethylphenol	ND	39.1	196	U
65-85-0	Benzoic acid	ND	97.5	391	U
111-91-1	bis(2-chloroethoxy)methane	ND	39.1	196	U
120-83-2	2,4-Dichlorophenol	ND	39.1	196	U
120-82-1	1,2,4-Trichlorobenzene	ND	39.1	196	U
91-20-3	Naphthalene	ND	39.1	196	U
106-47-8	4-Chloroaniline	ND <i>UK</i>	39.1	196	U
87-68-3	Hexachlorobutadiene	ND	39.1	196	U
59-50-7	4-Chloro-3-methylphenol	ND	39.1	196	U

MSP 10/27/16



ANALYSIS DATA SHEET
EPA 8270

Client: **BRINKERHOFF ENVIRONMENTAL**
 Client Sample ID: **EP-23**
 Lab Sample ID: **1601448-01**
 Project: **255 East 138th Street**
 Work Order: **1601448**

Date Sampled:	08/01/16 11:40	Prep Date:	08/02/16 06:18	Matrix:	Soil
Percent Solids:	85.10	Prep Method:	EPA 3550B GCMS	File ID:	E10951.D
Prep Batch:	B6H0203	Sequence:	S6H0308	Analyzed:	08/03/16 18:08
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
91-57-6	2-Methylnaphthylene	ND	39.1	196	U
77-47-4	Hexachlorocyclopentadiene	ND	39.1	196	U
88-06-2	2,4,6-Trichlorophenol	ND	39.1	196	U
95-95-4	2,4,5-Trichlorophenol	ND	39.1	196	U
91-58-7	2-Chloronaphthalene	ND	39.1	196	U
88-74-4	2-Nitroaniline	ND	39.1	196	U
131-11-3	Dimethylphthalate	ND	39.1	196	U
208-96-8	Acenaphthylene	ND	39.1	196	U
99-09-2	3-Nitroaniline	ND u.s	39.1	196	U
83-32-9	Acenaphthene	ND	39.1	196	U
51-28-5	2,4-Dinitrophenol	ND u.s	39.1	391	U
100-02-7	4-Nitrophenol	ND	39.1	196	U
132-64-9	Dibenzofuran	ND	39.1	196	U
606-20-2	2,6-Dinitrotoluene	ND	39.1	196	U
121-14-2	2,4-Dinitrotoluene	ND	39.1	196	U
84-66-2	Diethyl phthalate	ND	39.1	196	U
7005-72-3	4-Chlorophenyl-phenylether	ND	39.1	196	U
86-73-7	Fluorene	ND	39.1	196	U
100-01-6	4-Nitroaniline	ND	39.1	196	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	39.1	196	U
86-30-6	N-Nitrosodiphenylamine	ND	39.1	196	U
101-55-3	4-Bromophenyl-phenylether	ND	39.1	196	U
118-74-1	Hexachlorobenzene	ND	39.1	196	U
87-86-5	Pentachlorophenol	ND	39.1	196	U
85-01-8	Phenanthrene	ND	39.1	196	U

MVP 10/27/16



ANALYSIS DATA SHEET
EPA 8270

Client: **BRINKERHOFF ENVIRONMENTAL**
 Client Sample ID: **EP-23**
 Lab Sample ID: **1601448-01**
 Project: **255 East 138th Street**
 Work Order: **1601448**

Date Sampled:	08/01/16 11:40	Prep Date:	08/02/16 06:18	Matrix:	Soil
Percent Solids:	85.10	Prep Method:	EPA 3550B GCMS	File ID:	E10951.D
Prep Batch:	B6H0203	Sequence:	S6H0308	Analyzed:	08/03/16 18:08
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
120-12-7	Anthracene	ND	39.1	196	U
84-74-2	Di-n-butyl phthalate	ND	39.1	196	U
206-44-0	Fluoranthene	ND	39.1	196	U
129-00-0	Pyrene	ND	39.1	196	U
85-68-7	Butylbenzylphthalate	ND	39.1	196	U
91-94-1	3,3'-Dichlorobenzidine	ND	97.5	196	U
56-55-3	Benzo[a]anthracene	ND	39.1	196	U
117-81-7	bis(2-ethylhexyl)phthalate	49.8	39.1	196	J
218-01-9	Chrysene	ND	39.1	196	U
117-84-0	Di-n-octyl phthalate	ND	39.1	196	U
205-99-2	Benzo[b]fluoranthene	ND	39.1	196	U
207-08-9	Benzo[k]fluoranthene	ND	39.1	196	U
50-32-8	Benzo[a]pyrene	ND	39.1	196	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	39.1	196	U
53-70-3	Dibenzo(a,h)anthracene	ND	39.1	196	U
191-24-2	Benzo[ghi]perylene	ND	39.1	196	U

<u>Surrogate</u>	<u>% Recovery</u>	<u>Recovery Limits</u>
2-Fluorophenol	58%	30-130
Phenol-d5	59%	30-130
Nitrobenzene-d5	83%	30-130
2-Fluorobiphenyl	79%	30-130
2,4,6-Tribromophenol	74%	30-130
Terphenyl-d14	87%	30-130



ANALYSIS DATA SHEET

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-23
Lab Sample ID: 1601448-01
Project: 255 East 138th Street
Work Order: 1601448

Date Sampled:	08/01/16 11:40	Prep Date:	08/02/16 06:14	Matrix:	Soil
Percent Solids:	85.10	Prep Method:	EPA 3550B	File ID:	A22538.D
Prep Batch:	B6H0202	Sequence:	S6H0202	Analyzed:	08/02/16 19:01
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
319-84-6	alpha-BHC	ND	0.776	0.776	U
319-85-7	beta-BHC	ND	0.776	0.776	U
319-86-8	delta-BHC	ND	0.776	0.776	U
58-89-9	gamma-BHC [Lindane]	ND	0.776	0.776	U
76-44-8	Heptachlor	ND	0.776	0.776	U
309-00-2	Aldrin	ND	0.776	0.776	U
1024-57-3	Heptachlor Epoxide	ND	0.776	0.776	U
959-98-8	Endosulfan I	ND	0.776	0.776	U
60-57-1	Dieldrin	ND	1.56	1.56	U
72-55-9	4,4'-DDE	ND	1.56	1.56	U
72-20-8	Endrin	ND	1.56	1.56	U
33213-65-9	Endosulfan II	ND	1.56	1.56	U
72-54-8	4,4'-DDD	ND	1.56	1.56	U
1031-07-8	Endosulfan sulfate	ND	1.56	1.56	U
50-29-3	4,4'-DDT	ND	1.56	1.56	U
72-43-5	Methoxychlor	ND	2.35	7.83	U
53494-70-5	Endrin ketone	ND	1.56	1.56	U
7421-93-4	Endrin aldehyde	ND	1.56	1.56	U
5103-71-9	alpha-Chlordane	ND	0.776	0.776	U
5566-34-7	gamma-Chlordane	ND	0.776	0.776	U
8001-35-2	Toxaphene	ND	39.1	39.1	U
12674-11-2	Aroclor-1016	ND	19.5	39.1	U



ANALYSIS DATA SHEET
EPA 8081/8082

Client: **BRINKERHOFF ENVIRONMENTAL**
 Client Sample ID: **EP-23**
 Lab Sample ID: **1601448-01**
 Project: **255 East 138th Street**
 Work Order: **1601448**

Date Sampled:	08/01/16 11:40	Prep Date:	08/02/16 06:14	Matrix:	Soil
Percent Solids:	85.10	Prep Method:	EPA 3550B	File ID:	A22538.D
Prep Batch:	B6H0202	Sequence:	S6H0202	Analyzed:	08/02/16 19:01
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
11104-28-2	Aroclor-1221	ND	19.5	39.1	U
11141-16-5	Aroclor-1232	ND	19.5	39.1	U
53469-21-9	Aroclor-1242	ND	19.5	39.1	U
12672-29-6	Aroclor-1248	ND	19.5	39.1	U
11097-69-1	Aroclor-1254	ND	19.5	39.1	U
11096-82-5	Aroclor-1260	ND	19.5	39.1	U
37324-23-5	Aroclor-1262	ND	19.5	39.1	U
11100-14-4	Aroclor-1268	ND	19.5	39.1	U

Surrogate	% Recovery	Recovery Limits
Tetrachloro-m-xylene	87.5%	30-150
Tetrachloro-m-xylene [2C]	115%	30-150
Decachlorobiphenyl	110%	30-150
Decachlorobiphenyl [2C]	128%	30-150

* Values outside of QC limits
 ND - Indicates compound analyzed for but not detected
 U - Indicates compound analyzed for but not detected
 J - Indicates estimated value for TICs and all results when detected below the RL
 B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard
 D - Indicates result is based on a dilution
 P - Greater than 25% diff. between 2 GC columns.
 MDL - Minimum detection limit
 RL - Reporting limit



ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-23
Lab Sample ID: 1601448-01
Project: 255 East 138th Street
Work Order: 1601448

Date Sampled: 08/01/16 11:40	Matrix: Soil
Percent Solids: 85.10	File ID: 080216A-023

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
7429-90-5	Aluminum	7880	15.7	15.7	1		08/02/16 08:51	EPA 3050B	08/02/16 14:38 LIT	EPA 6010
7439-97-6	Mercury	ND	0.0881	0.0881	1	U	08/04/16 07:42	EPA 7471A	08/04/16 12:14 PRT	EPA 7471
7440-36-0	Antimony	ND	3.13	3.13	1	U	08/02/16 08:51	EPA 3050B	08/02/16 14:38 LIT	EPA 6010
7440-38-2	Arsenic	1.46	0.783	0.783	1		08/02/16 08:51	EPA 3050B	08/02/16 14:38 LIT	EPA 6010
7440-39-3	Barium	47.0	15.7	15.7	1		08/02/16 08:51	EPA 3050B	08/02/16 14:38 LIT	EPA 6010
7440-41-7	Beryllium	ND	0.391	0.391	1	U	08/02/16 08:51	EPA 3050B	08/02/16 14:38 LIT	EPA 6010
7440-43-9	Cadmium	ND	0.391	0.391	1	U	08/02/16 08:51	EPA 3050B	08/02/16 14:38 LIT	EPA 6010
7440-70-2	Calcium	5810	19.6	19.6	1		08/02/16 08:51	EPA 3050B	08/02/16 14:38 LIT	EPA 6010
7440-47-3	Chromium	15.3	1.57	1.57	1		08/02/16 08:51	EPA 3050B	08/02/16 14:38 LIT	EPA 6010
7440-48-4	Cobalt	6.79	3.91	3.91	1		08/02/16 08:51	EPA 3050B	08/02/16 14:38 LIT	EPA 6010
7440-50-8	Copper	16.9	2.35	2.35	1		08/02/16 08:51	EPA 3050B	08/02/16 14:38 LIT	EPA 6010
7439-89-6	Iron	12500	19.6	19.6	1		08/02/16 08:51	EPA 3050B	08/02/16 14:38 LIT	EPA 6010
7439-92-1	Lead	8.07	0.783	0.783	1		08/02/16 08:51	EPA 3050B	08/02/16 14:38 LIT	EPA 6010
7439-95-4	Magnesium	6980	39.1	39.1	1		08/02/16 08:51	EPA 3050B	08/02/16 14:38 LIT	EPA 6010
7439-96-5	Manganese	256	1.57	1.57	1		08/02/16 08:51	EPA 3050B	08/02/16 14:38 LIT	EPA 6010
7440-02-0	Nickel	13.3	3.13	3.13	1		08/02/16 08:51	EPA 3050B	08/02/16 14:38 LIT	EPA 6010
7440-09-7	Potassium	1800	39.1	39.1	1		08/02/16 08:51	EPA 3050B	08/02/16 14:38 LIT	EPA 6010
7782-49-2	Selenium	ND	3.13	3.13	1	U	08/02/16 08:51	EPA 3050B	08/02/16 14:38 LIT	EPA 6010
7440-22-4	Silver	ND	0.391	0.391	1	U	08/02/16 08:51	EPA 3050B	08/02/16 14:38 LIT	EPA 6010
7440-23-5	Sodium	130	39.1	39.1	1		08/02/16 08:51	EPA 3050B	08/02/16 14:38 LIT	EPA 6010
7440-28-0	Thallium	ND	1.17	2.35	1	U	08/02/16 08:51	EPA 3050B	08/02/16 14:38 LIT	EPA 6010
7440-62-2	Vanadium	25.1	3.91	3.91	1		08/02/16 08:51	EPA 3050B	08/02/16 14:38 LIT	EPA 6010
7440-66-6	Zinc	40.3	4.70	4.70	1		08/02/16 08:51	EPA 3050B	08/02/16 14:38 LIT	EPA 6010

* Values outside of QC limits
 ND - Indicates compound analyzed for but not detected
 U - Indicates compound analyzed for but not detected
 J - Indicates estimated value for TICs and all results when detected below the RL
 B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard
 D - Indicates result is based on a dilution
 P - Greater than 25% diff. between 2 GC columns.
 MDL - Minimum detection limit
 RL - Reporting limit



ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-23
Lab Sample ID: 1601448-01
Project: 255 East 138th Street
Work Order: 1601448

Date Sampled: 08/01/16 11:40	Matrix: Soil
Percent Solids: 85.10	File ID:

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
16065-83-1	Trivalent Chromium	15.3	1.33	1.33	1		08/05/16 09:06	[CALC]	08/08/16 15:35 NNM	[CALC]
1854-02-99	Chromium, Hexava	ND	2.35	2.35	1	U	08/05/16 09:06	SW 846 3060A	08/08/16 15:35 NNM	EPA 7196A
NA	Cyanide (total)	ND	1.18	1.18	1	U	08/03/16 11:12	EPA 9010C	08/03/16 17:08 NNM	EPA 9014

CAS NO.	Analyte	Concentration (%)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
NA	Percent Solids	85.1	0.100	0.100	1		08/03/16 11:00	Percent Solids	08/04/16 13:16 RMK	SM 2540 G

* Values outside of QC limits
 ND - Indicates compound analyzed for but not detected
 U - Indicates compound analyzed for but not detected
 J - Indicates estimated value for TICs and all results when detected below the RL
 B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard
 D - Indicates result is based on a dilution
 P - Greater than 25% diff. between 2 GC columns.
 MDL - Minimum detection limit
 RL - Reporting limit

Appendix B

***Laboratory
QC
Documentation***



ANALYSIS DATA SHEET

Blank

Client: **BRINKERHOFF ENVIRONMENTAL**
 Work Order: **1601448**
 Project: **255 East 138th Street**

Matrix:	Solid	Laboratory ID:	B6H0217-BLK1	File ID:	A8875.D
Batch:	B6H0217	Prepared:	08/02/16 08:57	Analyzed:	08/02/16 08:57
Column:	1	Preparation:	EPA 5035A	Dilution:	
		Sequence:	S6H0203	Instrument:	GC/MS A

CAS NO.	COMPOUND	CONC. (ug/kg wet)	MDL	RL	Q
107-02-8	Acrolein	ND	6.00	10.0	U
107-13-1	Acrylonitrile	ND	2.00	10.0	U
67-64-1	Acetone	ND	1.00	2.00	U
75-71-8	Dichlorodifluoromethane	ND	1.00	2.00	U
74-87-3	Chloromethane	ND	1.00	2.00	U
75-01-4	Vinyl chloride	ND	1.00	2.00	U
74-83-9	Bromomethane	ND	1.00	2.00	U
75-00-3	Chloroethane	ND	1.00	2.00	U
75-69-4	Trichlorofluoromethane	ND	1.00	2.00	U
75-35-4	1,1-Dichloroethene	ND	1.00	2.00	U
75-15-0	Carbon disulfide	ND	1.00	2.00	U
75-09-2	Methylene Chloride	1.52	1.00	2.00	J
156-60-5	trans-1,2-Dichloroethene	ND	1.00	2.00	U
75-34-3	1,1-Dichloroethane	ND	1.00	2.00	U
108-05-4	Vinyl acetate	ND	1.00	2.00	U
590-20-7	2,2-Dichloropropane	ND	1.00	2.00	U
78-93-3	2-Butanone	ND	1.00	2.00	U
156-59-4	cis-1,2-Dichloroethene	ND	1.00	2.00	U
67-66-3	Chloroform	ND	1.00	2.00	U
74-97-5	Bromochloromethane	ND	1.00	2.00	U
71-55-6	1,1,1-Trichloroethane	ND	1.00	2.00	U
563-58-6	1,1-Dichloropropene	ND	1.00	2.00	U
56-23-5	Carbon Tetrachloride	ND	1.00	2.00	U
107-06-2	1,2-Dichloroethane	ND	1.00	2.00	U



INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
 Work Order: 1601448
 Project: 255 East 138th Street

Calibration: 16G2901	Instrument: GC/MS A
	Calibration Date: 7/28/2016 11:00:56AM

COMPOUND	Mean RF	RF RSD	LIMIT	Q
Acrolein	3.940028E-02	3.96743		
Acrylonitrile	9.664191E-02	10.03424		
Acetone	0.2048483	39.69748		
Dichlorodifluoromethane	0.6149421	13.26661		
Chloromethane	0.7591113	7.325997	SPCC (0.1)	
Vinyl chloride	0.7362654	8.753645	CCC (20)	
Bromomethane	0.5626239	10.75447		
Chloroethane	0.2338689	6.217668		
Trichlorofluoromethane	0.8001752	10.82604		
Freon 113	0.5444944	4.681728		
1,1-Dichloroethene	0.777461	4.210771	CCC (20)	
Carbon disulfide	1.858694	9.074759		
Methyl Acetate	0.1922845	11.73523		
Methylene Chloride	1.3004	104.2599		
trans-1,2-Dichloroethene	0.764663	8.951139		
1,1-Dichloroethane	0.8798868	5.384	SPCC (0.1)	
Vinyl acetate	0.7730708	10.04256		
2,2-Dichloropropane	0.8674895	10.00306		
2-Butanone	0.1876336	6.12607		
cis-1,2-Dichloroethene	0.7020811	9.315722		
Chloroform	0.8983923	6.321035	CCC (20)	
Bromochloromethane	0.2926808	3.87027		
Cyclohexane	0.8792215	8.624052		
1,1,1-Trichloroethane	0.8270675	5.890328		
t-Butyl alcohol	2.239046E-02	9.948907		



CONTINUING CALIBRATION VERIFICATION

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1601448
Project: 255 East 138th Street
Instrument ID: GC/MS A
Lab File ID: A8873.D
Sequence: S6H0203
Lab Sample ID: S6H0203-CCV1

Calibration: 16G2901
Calibration Date: 07/28/16 11:00
Injection Date: 08/02/16
Injection Time: 07:56

COMPOUND	TYPE	CONC. (ug/L)		RESPONSE FACTOR			% DIFF	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acrolein	A	250	237	3.940028E-02	3.740806E-02		-5.1	
Acrylonitrile	A	250	250	9.664191E-02	9.665655E-02		0.02	
Acetone	L	50.0	53.5	0.2048483	0.1749495		-14.6	
Dichlorodifluoromethane	A	50.0	51.7	0.6149421	0.6360312		3.4	
Chloromethane	A	50.0	51.1	0.7591113	0.7757717	0.1	2.2	
Vinyl chloride	A	50.0	52.2	0.7362654	0.7686619		4.4	20
Bromomethane	A	50.0	46.1	0.5626239	0.5188619		-7.8	
Chloroethane	A	50.0	43.7	0.2338689	0.2045646		-12.5	
Trichlorofluoromethane	A	50.0	50.8	0.8001752	0.8128817		1.6	
Freon 113	A	50.0	44.9	0.5444944	0.4890326		-10.2	
1,1-Dichloroethene	A	50.0	46.1	0.777461	0.7172756		-7.7	20
Carbon disulfide	A	50.0	44.4	1.858694	1.651347		-11.2	
Methyl Acetate	A	50.0	48.2	0.1922845	0.1851878		-3.7	
Methylene Chloride	L	50.0	45.2	1.3004	0.6098004		-53.1	
trans-1,2-Dichloroethene	A	50.0	44.2	0.764663	0.6754736		-11.7	
1,1-Dichloroethane	A	50.0	49.1	0.8798868	0.8639389	0.1	-1.8	
Vinyl acetate	A	50.0	50.1	0.7730708	0.7749869		0.2	
2,2-Dichloropropane	A	50.0	46.6	0.8674895	0.8075662		-6.9	
2-Butanone	A	50.0	50.6	0.1876336	0.1898721		1.2	
cis-1,2-Dichloroethene	A	50.0	47.7	0.7020811	0.6694422		-4.6	
Chloroform	A	50.0	48.2	0.8983923	0.8661645		-3.6	20
Bromochloromethane	A	50.0	50.6	0.2926808	0.2958989		1.1	
Cyclohexane	A	50.0	47.8	0.8792215	0.8410953		-4.3	



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EP-23

Client: BRINKERHOFF ENVIRONMENTAL
 Project: 255 East 138th Street
 Work Order: 1601448

Matrix:	Solid	Analysis Method:	EPA 8270
Prep Batch:	B6H0203	Prep Method:	EPA 3550B GCMS
Percent Solids:	85.10	Laboratory ID:	B6H0203-MS1
		Client Sample ID:	1601448-01

ANALYTE	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC.	QC LIMITS REC.
Pyridine	1960	ND	1020	52	20 - 160
N-Nitrosodimethylamine	1960	ND	1170	60	20 - 160
Aniline	1960	ND	891	46	20 - 160
Phenol	1960	ND	1110	57	20 - 160
bis(2-chloroethyl)ether	1960	ND	1100	56	* 70 - 130
2-Chlorophenol	1960	ND	1140	58	* 70 - 130
1,3-Dichlorobenzene	1960	ND	1240	63	* 70 - 130
1,4-Dichlorobenzene	1960	ND	1230	63	* 70 - 130
Benzyl alcohol	1960	ND	1160	59	20 - 160
1,2-Dichlorobenzene	1960	ND	1230	63	* 70 - 130
2-Methylphenol	1960	ND	1070	55	20 - 160
bis(2-chloroisopropyl)ether	1960	ND	1200	61	* 70 - 130
3 & 4-Methylphenol	1960	ND	1070	55	20 - 160
N-Nitroso-di-n-propylamine	1960	ND	1180	60	* 70 - 130
Hexachloroethane	1960	ND	1260	64	20 - 160
Nitrobenzene	1960	ND	1370	70	70 - 130
Isophorone	1960	ND	1320	67	* 70 - 130
2-Nitrophenol	1960	ND	1310	67	* 70 - 130
2,4-Dimethylphenol	1960	ND	1330	68	* 70 - 130
bis(2-chloroethoxy)methane	1960	ND	1260	64	* 70 - 130
2,4-Dichlorophenol	1960	ND	1270	65	* 70 - 130
1,2,4-Trichlorobenzene	1960	ND	1360	69	* 70 - 130
Naphthalene	1960	ND	1310	67	* 70 - 130
4-Chloroaniline	1960	ND	594	30	20 - 160
Hexachlorobutadiene	1960	ND	1450	74	70 - 130
4-Chloro-3-methylphenol	1960	ND	1320	68	* 70 - 130
2-Methylnaphthylene	1960	ND	1280	65	* 70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EP-23

Client: BRINKERHOFF ENVIRONMENTAL
 Project: 255 East 138th Street
 Work Order: 1601448

Matrix:	Solid	Analysis Method:	EPA 8270
Prep Batch:	B6H0203	Prep Method:	EPA 3550B GCMS
Percent Solids:	85.10	Laboratory ID:	B6H0203-MS1
		Client Sample ID:	1601448-01

ANALYTE	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC.	QC LIMITS REC.
Hexachlorocyclopentadiene	1960	ND	945	48	20 - 160
2,4,6-Trichlorophenol	1960	ND	1460	74	70 - 130
2,4,5-Trichlorophenol	1960	ND	1390	71	70 - 130
2-Chloronaphthalene	1960	ND	1460	75	70 - 130
2-Nitroaniline	1960	ND	1580	80	70 - 130
Dimethylphthalate	1960	ND	1520	77	70 - 130
Acenaphthylene	1960	ND	1500	77	70 - 130
3-Nitroaniline	1960	ND	1120	57	70 - 130
Acenaphthene	1960	ND	1530	78	70 - 130
2,4-Dinitrophenol	1960	ND	1230	63	20 - 160
4-Nitrophenol	1960	ND	1450	74	20 - 160
Dibenzofuran	1960	ND	1460	75	70 - 130
2,6-Dinitrotoluene	1960	ND	1530	78	70 - 130
2,4-Dinitrotoluene	1960	ND	1570	80	70 - 130
2,3,4,6-Tetrachlorophenol	1960	ND	1430	73	70 - 130
Diethyl phthalate	1960	ND	1480	76	70 - 130
4-Chlorophenyl-phenylether	1960	ND	1480	76	70 - 130
Fluorene	1960	ND	1450	74	70 - 130
4-Nitroaniline	1960	ND	1370	70	70 - 130
4,6-Dinitro-2-methylphenol	1960	ND	1640	84	70 - 130
Carbazole	1960	ND	1480	75	70 - 130
N-Nitrosodiphenylamine	1960	ND	1620	83	20 - 160
Azobenzene	1960	ND	1580	81	70 - 130
4-Bromophenyl-phenylether	1960	ND	1590	81	70 - 130
Hexachlorobenzene	1960	ND	1660	85	70 - 130
Pentachlorophenol	1960	ND	1110	57	20 - 160
Phenanthrene	1960	ND	1540	79	70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EP-23

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street
Work Order: 1601448

Matrix:	Solid	Analysis Method:	EPA 8270
Prep Batch:	B6H0203	Prep Method:	EPA 3550B GCMS
Percent Solids:	85.10	Laboratory ID:	B6H0203-MS1
		Client Sample ID:	1601448-01

ANALYTE	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC.	QC LIMITS REC.
Anthracene	1960	ND	1550	79	70 - 130
Di-n-butyl phthalate	1960	ND	1480	76	70 - 130
Fluoranthene	1960	ND	1460	75	70 - 130
Pyrene	1960	ND	1590	81	70 - 130
Butylbenzylphthalate	1960	ND	1520	78	70 - 130
Benzo[a]anthracene	1960	ND	1540	79	70 - 130
bis(2-ethylhexyl)phthalate	1960	49.8	1540	76	70 - 130
Chrysene	1960	ND	1490	76	70 - 130
Di-n-octyl phthalate	1960	ND	1590	81	70 - 130
Benzo[b]fluoranthene	1960	ND	1630	83	70 - 130
Benzo[k]fluoranthene	1960	ND	1550	79	70 - 130
Benzo[a]pyrene	1960	ND	1580	81	70 - 130
Indeno(1,2,3-cd)pyrene	1960	ND	1560	80	70 - 130
Dibenzo(a,h)anthracene	1960	ND	1540	78	70 - 130
Benzo[ghi]perylene	1960	ND	1530	78	70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EP-23

Client: BRINKERHOFF ENVIRONMENTAL
 Project: 255 East 138th Street
 Work Order: 1601448

Matrix:	Solid	Analysis Method:	EPA 8270
Prep Batch:	B6H0203	Prep Method:	EPA 3550B GCMS
Percent Solids:	85.10	Laboratory ID:	B6H0203-MSD1
		Client Sample ID:	1601448-01

ANALYTE	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
Pyridine	1960	1150	59	12	30	20 - 160
N-Nitrosodimethylamine	1960	1320	67	12	30	20 - 160
Aniline	1960	1030	53	14	30	20 - 160
Phenol	1960	1240	63	11	30	20 - 160
bis(2-chloroethyl)ether	1960	1260	65 *	14	30	70 - 130
2-Chlorophenol	1960	1300	66 *	13	30	70 - 130
1,3-Dichlorobenzene	1960	1400	71	12	30	70 - 130
1,4-Dichlorobenzene	1960	1390	71	12	30	70 - 130
Benzyl alcohol	1960	1310	67	12	30	20 - 160
1,2-Dichlorobenzene	1960	1400	71	12	30	70 - 130
2-Methylphenol	1960	1180	60	10	30	20 - 160
bis(2-chloroisopropyl)ether	1960	1350	69 *	12	30	70 - 130
3 & 4-Methylphenol	1960	1180	60	10	30	20 - 160
N-Nitroso-di-n-propylamine	1960	1290	66 *	9	30	70 - 130
Hexachloroethane	1960	1440	73	13	30	20 - 160
Nitrobenzene	1960	1540	78	11	30	70 - 130
Isophorone	1960	1430	73	8	30	70 - 130
2-Nitrophenol	1960	1480	76	12	30	70 - 130
2,4-Dimethylphenol	1960	1460	74	9	30	70 - 130
bis(2-chloroethoxy)methane	1960	1410	72	11	30	70 - 130
2,4-Dichlorophenol	1960	1420	73	11	30	70 - 130
1,2,4-Trichlorobenzene	1960	1490	76	9	30	70 - 130
Naphthalene	1960	1480	75	12	30	70 - 130
4-Chloroaniline	1960	659	34	10	30	20 - 160
Hexachlorobutadiene	1960	1640	84	12	30	70 - 130
4-Chloro-3-methylphenol	1960	1380	70	4	30	70 - 130
2-Methylnaphthylene	1960	1410	72	10	30	70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EP-23

Client: **BRINKERHOFF ENVIRONMENTAL**
 Project: **255 East 138th Street**
 Work Order: **1601448**

Matrix:	Solid	Analysis Method:	EPA 8270
Prep Batch:	B6H0203	Prep Method:	EPA 3550B GCMS
Percent Solids:	85.10	Laboratory ID:	B6H0203-MSD1
		Client Sample ID:	1601448-01

ANALYTE	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
Hexachlorocyclopentadiene	1960	1110	57	16	30	20 - 160
2,4,6-Trichlorophenol	1960	1520	78	4	30	70 - 130
2,4,5-Trichlorophenol	1960	1460	74	5	30	70 - 130
2-Chloronaphthalene	1960	1570	80	7	30	70 - 130
2-Nitroaniline	1960	1630	83	3	30	70 - 130
Dimethylphthalate	1960	1530	78	0.6	30	70 - 130
Acenaphthylene	1960	1600	82	7	30	70 - 130
3-Nitroaniline	1960	1130	58	0.8	30	70 - 130
Acenaphthene	1960	1610	82	5	30	70 - 130
2,4-Dinitrophenol	1960	1270	65	3	30	20 - 160
4-Nitrophenol	1960	1470	75	2	30	20 - 160
Dibenzofuran	1960	1530	78	4	30	70 - 130
2,6-Dinitrotoluene	1960	1560	80	2	30	70 - 130
2,4-Dinitrotoluene	1960	1570	80	0.2	30	70 - 130
2,3,4,6-Tetrachlorophenol	1960	1410	72	2	30	70 - 130
Diethyl phthalate	1960	1480	76	0.3	30	70 - 130
4-Chlorophenyl-phenylether	1960	1500	77	1	30	70 - 130
Fluorene	1960	1470	75	1	30	70 - 130
4-Nitroaniline	1960	1350	69	2	30	70 - 130
4,6-Dinitro-2-methylphenol	1960	1740	89	6	30	70 - 130
Carbazole	1960	1500	77	1	30	70 - 130
N-Nitrosodiphenylamine	1960	1630	83	1	30	20 - 160
Azobenzene	1960	1660	85	5	30	70 - 130
4-Bromophenyl-phenylether	1960	1640	84	3	30	70 - 130
Hexachlorobenzene	1960	1700	87	2	30	70 - 130
Pentachlorophenol	1960	1170	60	6	30	20 - 160
Phenanthrene	1960	1560	80	1	30	70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EP-23

Client: BRINKERHOFF ENVIRONMENTAL
 Project: 255 East 138th Street
 Work Order: 1601448

Matrix:	Solid	Analysis Method:	EPA 8270
Prep Batch:	B6H0203	Prep Method:	EPA 3550B GCMS
Percent Solids:	85.10	Laboratory ID:	B6H0203-MSD1
		Client Sample ID:	1601448-01

ANALYTE	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
Anthracene	1960	1560	79	0.7	30	70 - 130
Di-n-butyl phthalate	1960	1490	76	0.4	30	70 - 130
Fluoranthene	1960	1470	75	0.5	30	70 - 130
Pyrene	1960	1610	82	1	30	70 - 130
Butylbenzylphthalate	1960	1550	79	2	30	70 - 130
Benzo[a]anthracene	1960	1560	80	1	30	70 - 130
bis(2-ethylhexyl)phthalate	1960	1580	78	2	30	70 - 130
Chrysene	1960	1530	78	3	30	70 - 130
Di-n-octyl phthalate	1960	1600	82	0.7	30	70 - 130
Benzo[b]fluoranthene	1960	1600	82	2	30	70 - 130
Benzo[k]fluoranthene	1960	1570	80	2	30	70 - 130
Benzo[a]pyrene	1960	1590	81	0.4	30	70 - 130
Indeno(1,2,3-cd)pyrene	1960	1580	81	2	30	70 - 130
Dibenzo(a,h)anthracene	1960	1550	79	0.7	30	70 - 130
Benzo[ghi]perylene	1960	1550	79	1	30	70 - 130



LCS / LCS DUPLICATE RECOVERY

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street
Work Order: 1601448

Matrix:	Solid	Prep Method:	EPA 3550B GCMS
Prep Batch:	B6H0203	Lab Sample ID:	B6H0203-BS1

ANALYTE	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC.	QC LIMITS REC.
2,4,6-Trichlorophenol	1670	1420	85	70 - 130
2,4,5-Trichlorophenol	1670	1390	84	70 - 130
2-Chloronaphthalene	1670	1480	89	70 - 130
2-Nitroaniline	1670	1560	94	70 - 130
Dimethylphthalate	1670	1460	87	70 - 130
Acenaphthylene	1670	1430	86	70 - 130
3-Nitroaniline	1670	950	57	70 - 130
Acenaphthene	1670	1490	90	70 - 130
2,4-Dinitrophenol	1670	1380	83	20 - 160
4-Nitrophenol	1670	1430	86	20 - 160
Dibenzofuran	1670	1460	88	70 - 130
2,6-Dinitrotoluene	1670	1500	90	70 - 130
2,4-Dinitrotoluene	1670	1500	90	70 - 130
2,3,4,6-Tetrachlorophenol	1670	1400	84	70 - 130
Diethyl phthalate	1670	1460	87	70 - 130
4-Chlorophenyl-phenylether	1670	1480	89	70 - 130
Fluorene	1670	1430	86	70 - 130
4-Nitroaniline	1670	1240	74	70 - 130
4,6-Dinitro-2-methylphenol	1670	1660	100	70 - 130
Carbazole	1670	1450	87	70 - 130
N-Nitrosodiphenylamine	1670	1550	93	20 - 160
Azobenzene	1670	1540	92	70 - 130
4-Bromophenyl-phenylether	1670	1580	95	70 - 130
Hexachlorobenzene	1670	1640	99	70 - 130
Pentachlorophenol	1670	1300	78	20 - 160
Phenanthrene	1670	1530	92	70 - 130
Anthracene	1670	1490	89	70 - 130
Di-n-butyl phthalate	1670	1450	87	70 - 130



LCS / LCS DUPLICATE RECOVERY

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street
Work Order: 1601448

Matrix:	Solid	Prep Method:	EPA 3550B GCMS
Prep Batch:	B6H0203	Lab Sample ID:	B6H0203-BS1

ANALYTE	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC.	QC LIMITS REC.
Pyridine	1670	1090	60	20 - 160
N-Nitrosodimethylamine	1670	1190	71	20 - 160
Aniline	1670	761	46	20 - 160
Phenol	1670	1130	68	20 - 160
bis(2-chloroethyl)ether	1670	1180	71	70 - 130
2-Chlorophenol	1670	1180	71	70 - 130
1,3-Dichlorobenzene	1670	1260	76	70 - 130
1,4-Dichlorobenzene	1670	1250	75	70 - 130
Benzyl alcohol	1670	1200	72	20 - 160
1,2-Dichlorobenzene	1670	1240	75	70 - 130
2-Methylphenol	1670	1120	67	20 - 160
bis(2-chloroisopropyl)ether	1670	1250	75	70 - 130
3 & 4-Methylphenol	1670	1110	66	20 - 160
N-Nitroso-di-n-propylamine	1670	1210	72	70 - 130
Hexachloroethane	1670	1290	77	20 - 160
Nitrobenzene	1670	1410	85	70 - 130
Isophorone	1670	1340	81	70 - 130
2-Nitrophenol	1670	1340	80	70 - 130
2,4-Dimethylphenol	1670	1360	82	70 - 130
bis(2-chloroethoxy)methane	1670	1310	79	70 - 130
2,4-Dichlorophenol	1670	1310	79	70 - 130
1,2,4-Trichlorobenzene	1670	1400	84	70 - 130
Naphthalene	1670	1360	81	70 - 130
4-Chloroaniline	1670	394	24 *	70 - 130
Hexachlorobutadiene	1670	1510	90	70 - 130
4-Chloro-3-methylphenol	1670	1300	78	70 - 130
2-Methylnaphthylene	1670	1260	76	70 - 130
Hexachlorocyclopentadiene	1670	1070	64	20 - 160



INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
 Work Order: 1601448
 Project: 255 East 138th Street

Calibration: 16G1402	Instrument: GC/MS E
	Calibration Date: 6/6/2016 2:44:35PM

COMPOUND	Mean RF	RF RSD	LIMIT	Q
Naphthalene	1.014413	7.446843		
4-Chloroaniline	0.5030556	3.466959		
Hexachlorobutadiene	0.1549383	2.975079	CCC (20)	
Caprolactam	0.2059759	4.024724		
4-Chloro-3-methylphenol	0.3148834	3.706397	CCC (20)	
2-Methylnaphthylene	0.7209771	8.193629		
1,2,4,5-Tetrachlorobenzene	0.4894636	6.658484		
Hexachlorocyclopentadiene	0.3043353	8.043457	SPCC (0.05)	
2,4,6-Trichlorophenol	0.3810716	2.654666	CCC (20)	
2,4,5-Trichlorophenol	0.3910356	4.219982		
2-Chloronaphthalene	1.117736	7.950694		
1,1-Biphenyl	1.303017	12.75237		
2-Nitroaniline	0.3230266	2.83713		
Dimethylphthalate	1.295766	8.404396		
Acenaphthylene	1.728125	9.846874		
3-Nitroaniline	0.429227	1.460559		
Acenaphthene	1.061398	6.631354	CCC (20)	
2,4-Dinitrophenol	0.1418895	43.47269	SPCC (0.05)	
4-Nitrophenol	0.1116238	3.556766	SPCC (0.05)	
Dibenzofuran	1.565428	9.233606		
2,6-Dinitrotoluene	0.3316834	2.19327		
2,4-Dinitrotoluene	0.4046039	2.990609		
2,3,4,6-Tetrachlorophenol	0.3201041	3.652533		
Diethyl phthalate	1.292764	9.050481		
4-Chlorophenyl-phenylether	0.5728172	9.142366		



CONTINUING CALIBRATION VERIFICATION

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
 Work Order: 1601448
 Project: 255 East 138th Street

Instrument ID: GC/MS E	Calibration: 16G1402
Lab File ID: E10945.D	Calibration Date: 06/06/16 14:44
Sequence: S6H0308	Injection Date: 08/03/16
Lab Sample ID: S6H0308-CCV1	Injection Time: 13:49

COMPOUND	TYPE	CONC. (mg/L)		RESPONSE FACTOR			% DIFF	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dichlorophenol	A	50.0	52.9	0.3153011	0.3337258		5.8	20
1,2,4-Trichlorobenzene	A	50.0	52.6	0.3242736	0.3413604		5.3	
Naphthalene	A	50.0	51.4	1.014413	1.043226		2.8	
4-Chloroaniline	A	50.0	48.2	0.5030556	0.4846333		-3.7	
Hexachlorobutadiene	A	50.0	55.4	0.1549383	0.1716007		10.8	20
Caprolactam	A	50.0	53.4	0.2059759	0.2200891		6.9	
4-Chloro-3-methylphenol	A	50.0	50.9	0.3148834	0.320676		1.8	20
2-Methylnaphthylene	A	50.0	48.6	0.7209771	0.7006159		-2.8	
1,2,4,5-Tetrachlorobenzene	A	50.0	58.5	0.4894636	0.5725625		17.0	
Hexachlorocyclopentadiene	A	50.0	42.3	0.3043353	0.2574149	0.05	-15.4	
2,4,6-Trichlorophenol	A	50.0	52.7	0.3810716	0.4018038		5.4	20
2,4,5-Trichlorophenol	A	50.0	51.2	0.3910356	0.4000262		2.3	
2-Chloronaphthalene	A	50.0	52.0	1.117736	1.162106		4.0	
1,1-Biphenyl	A	50.0	56.6	1.303017	1.47599		13.3	
2-Nitroaniline	A	50.0	57.4	0.3230266	0.3708835		14.8	
Dimethylphthalate	A	50.0	49.0	1.295766	1.268923		-2.1	
Acenaphthylene	A	50.0	52.3	1.728125	1.807368		4.6	
3-Nitroaniline	A	50.0	50.6	0.429227	0.4342052		1.2	
Acenaphthene	A	50.0	51.6	1.061398	1.096277		3.3	20
2,4-Dinitrophenol	L	50.0	58.9	0.1418895	0.2253754	0.05	58.8	
4-Nitrophenol	A	50.0	54.9	0.1116238	0.1226717	0.05	9.9	
Dibenzofuran	A	50.0	51.8	1.565428	1.622596		3.7	
2,6-Dinitrotoluene	A	50.0	51.1	0.3316834	0.3389988		2.2	

Appendix C

Validator Qualifications

KENNETH R. APPLIN
Geochemist/Data Validator

Ph.D., Geochemistry and Mineralogy, The Pennsylvania State University

M.S., Geochemistry and Mineralogy, The Pennsylvania State University

B.A., Geological Sciences, SUNY at Geneseo, NY

Dr. Applin has over 35 years of experience working with the geochemistry of natural waters. His prior experience includes working as an Assistant Professor of Geology at the University of Missouri-Columbia and as Chief Hydrogeologist and Geochemist with a leading engineering firm in Rochester, NY. In 1993, he established KR Applin and Associates, a small consulting business that focuses on the geochemistry of natural waters, especially as applied to problems involving the contamination of groundwater and surface water.

Dr. Applin is also an experienced analytical data validator and has provided data validation services since 1994 to a variety of clients performing brownfield cleanup projects, hazardous waste remediation, groundwater monitoring at solid waste facilities, and other projects requiring third-party data validation. Dr. Applin has several years of hands-on experience with the laboratory analysis of natural waters and has successfully completed the USEPA Region II certification courses for performing inorganic and organic analytical data validation.

MICHAEL K. PERRY
Chemist/Data Validator

B.S. Chemistry, Georgia State University, Atlanta, GA

A.A.S., Chemical Technology, Alfred State College, Alfred, NY

Mr. Perry has over 30 years of experience in the analytical laboratory business. During his early career, he spent several years as a laboratory analyst performing the analysis of soil, water, and air samples for inorganic and organic chemical parameters. During his last 20 years in the environmental laboratory business, he managed and directed two major analytical laboratories in Rochester, NY. His management responsibilities included oversight of the daily operations of the lab, staff training and supervision, the selection, purchase, and maintenance of analytical instruments, the introduction of new laboratory methods, analytical quality assurance and quality control, data acquisition and management, and other business-related activities.

Mr. Perry has an extensive working knowledge of the methods and procedures used for sampling and analyzing both inorganic and organic analytes in soil, water, and air. He is an accomplished laboratory chemist and is familiar with the analytical methods and procedures established under the USEPA Contract Laboratory Protocols (CLP), the NYSDEC Analytical Services Protocols (ASP), and the NYSDOH Environmental Laboratory Approval Program (ELAP).

DATA USABILITY SUMMARY REPORT (DUSR)

**Former G & C Services
255 East 138th Street
Bronx, NY
NYSDEC BCP # C203057**

SDG: 1601618
1 Soil Sample

Prepared for:

**Brinkerhoff Environmental Services, Inc.
1805 Atlantic Avenue
Manasquan, NJ 08736**

October 2016



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1.0 SUMMARY	1
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4.0 GUIDANCE DOCUMENTS AND DATA REVIEW CRITERIA	2
5.0 DATA VALIDATION QUALIFIERS	3
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7.0 TOTAL USABLE DATA	4

APPENDIX A	Validated Analytical Results
APPENDIX B	Laboratory QC Documentation
APPENDIX C	Validator Qualifications

Tables

Table 4-1	Data Validation Guidance Documents
Table 4-2	Quality Control Criteria for Validating Laboratory Analytical Data

Summaries of Validated Results

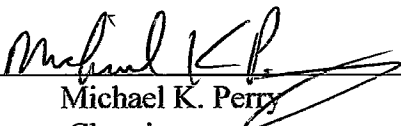
Table 6-1	VOCs
Table 6-2	SVOCs
Table 6-3	Pesticides
Table 6-4	PCBs
Table 6-5	Metals
Table 6-6	Wet Chemistry

REVIEWER'S NARRATIVE
SDG 1601618

The data associated with this Sample Delivery Group (SDG) 1601618, analyzed by Accredited Analytical Resources, LLC. Carteret, NJ have been reviewed in accordance with assessment criteria provided by the New York State Department of Environmental Conservation following the review procedures provided in the USEPA Functional Guidelines for evaluating organic and inorganic data.

All analytical results reported by the laboratory are considered valid and acceptable except results that have been qualified as rejected, "R". Results qualified as estimated "J", or as non-detects, "U", are considered usable for the purpose of evaluating water and/or soil quality. However, these qualifiers indicate that the accuracy and/or precision of the analytical result is questionable. A summary of all data that have been qualified and the reasons for qualification are provided in the following data usability summary report (DUSR).

Two facts should be noted by all data users. First, the "R" qualifier means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the analyte is present or not. Values qualified with an "R" should not appear on the final data tables because they cannot be relied upon, even as the last resort. Second, no analyte concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error.

Reviewer's Signature:  Date: 10/27/16
Michael K. Perry
Chemist

1.0 SUMMARY

SITE:	255 East 138 th Street. Bronx, NY
SAMPLING DATE:	August 24, 2016
SAMPLE TYPE:	1 soil sample
LABORATORY:	Accredited Analytical Resources, LLC. Carteret, NJ
SDG No.:	1601618

2.0 INTRODUCTION

This data usability summary report (DUSR) was prepared in accordance with guidance provided by the New York State Department of Environmental Conservation (NYSDEC). The DUSR is based on a review and evaluation of the laboratory analytical data package. Specifically, the NYSDEC guidance recommends review and evaluation of the following elements of the data package:

- Completeness of the data package as defined under the requirements of the NYSDEC Analytical Services Protocols (ASP) Category B or the United States Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) deliverables,
- Compliance with established analyte holding times,
- Adherence to quality control (QC) limits and specifications for blanks, instrument tuning and calibration, surrogate recoveries, spike recoveries, laboratory duplicate analyses, and other QC criteria,
- Adherence to established analytical protocols,
- Conformance of data summary sheets with raw analytical data, and
- Use of correct data qualifiers.

Data deficiencies, analytical protocol deviations, and quality control problems identified using the review criteria above and their effect on the analytical results are discussed in this report.

3.0 SAMPLE AND ANALYSIS SUMMARY

The data package consists of analytical results for one soil sample collected on August 24, 2016. This sample was analyzed for volatile organic compounds, semi-volatile organic compounds, pesticides, polychlorinated biphenyls (PCBs), TAL metals, hexavalent chromium, and total cyanide.

All laboratory analyses were performed by Accredited Analytical Resources, LLC., Carteret, NJ and analyzed as SDG 1601618. The analytical results were provided in NYSDEC ASP Category B format, which includes all raw analytical data and laboratory QC data.

4.0 GUIDANCE DOCUMENTS AND DATA REVIEW CRITERIA

The guidance documents used for reviewing laboratory quality control (QC) data and assigning data qualifiers (flags) to analytical results are listed in Table 4-1. The QC limits established in the documents applicable to this data review were used to assess the quality of the analytical results. In some cases, however, QC limits established internally by the laboratory were taken into account to determine data quality.

The QC criteria considered for assessing the usability of the reported analytical results provided for each analyte type (i.e. VOCs, SVOCs, metals, etc.) are listed in Table 4-2. These criteria may vary with the analytical method utilized by the laboratory. These criteria comply with the guidance recommended in Section 2.0 above.

5.0 DATA VALIDATION QUALIFIERS

The letter qualifiers (flags) used to define data usability are described briefly below. These letters are assigned by the data validator to analytical results having questionable accuracy and/or precision as determined by reviewing the laboratory QC data associated with the analytical results.

TABLE 4-1**DATA VALIDATION GUIDANCE DOCUMENTS**

Analyte Type	Validation Guidance
VOCs	USEPA, 2008, Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry; SW-846 Method 8260B; SOP # HW-24, Rev. 2. USEPA, 2008, Statement of Work for Organic Analysis of Low/Medium Concentration of Volatile Organic Compounds SOM01.2; SOP HW-33, Rev. 2.
SVOCs	USEPA, 2007, Statement of Work for Organic Analysis of Low/Medium Concentration of Semivolatile Organic Compounds SOM01.2; SOP HW-35, Rev. 1.
Pesticides/PCBs	USEPA, 2006, CLP Organics Data Review and Preliminary Review (CLP/SOW OLMO 4.3); SOP # HW-6, Rev. 14, Part C.
Metals	USEPA, 2006, Validation of Metals for the Contract Laboratory Program (CLP) based on SOW ILMO 5.3 (SOP Revision 13), SOP # HW-2, Rev. 13.
Gen Chemistry	NYSDEC, 2005, Analytical Services Protocols (ASP)
VOCs (Ambient air)	USEPA, 2006, Validating Air Samples, Volatile Organic Analysis of Ambient Air in Canister by Method TO-15; SOP # HW-31, Rev. 4.

TABLE 4-2

**QUALITY CONTROL CRITERIA USED FOR VALIDATING
LABORATORY ANALYTICAL DATA**

VOCs	SVOCs	Pesticides/PCBs	Metals	Gen Chemistry	Method TO-15
Completeness of Pkg Sample Condition Holding Time System Monitoring Compounds Lab Control Sample Matrix Spikes Blanks Instrument Tuning Internal Standards Initial Calibration Continuing Calibration Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Time Surrogate Recoveries Lab Control Sample Matrix Spikes Blanks Instrument Tuning Internal Standards Initial Calibration Continuing Calibration Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Time Surrogate Recoveries Matrix Spikes Blanks Instrument Calibration & Verification Analyte ID Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Time Initial/Continuing Calibration CRDL Standards Blanks Interference Check Sample Spike Recoveries Lab Duplicate Lab Control Sample ICP Serial Dilutions Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Times Calibration Lab Control Samples Blanks Spike Recoveries Lab Duplicates	Completeness of Pkg Sample Condition Holding Time Canister Certification Lab Control Sample Instrument Tuning Blanks Initial Calibration & System Performance Daily Calibration Field Duplicate

The laboratory may also use various letters and symbols to flag analytical results generated when QC limits were exceeded. The meanings of these flags may differ from those used by the independent data validator. Those used by the laboratory are provided with the analytical results.

NOTE: The assignment of data qualifiers by the data reviewer (validator) to laboratory analytical results should not necessarily be interpreted by the data user as a measure of laboratory ability or proficiency. Rather, the qualifiers are intended to provide a measure of data accuracy and precision to the data user, which, for example, may provide a level of confidence in determining whether or not standards or cleanup objectives have been met.

- U** The analyte was analyzed for but was not detected at or above the sample quantitation limit.
- J** The analyte was positively identified; the associated numerical value is the *approximate* concentration of the analyte in the sample. (The magnitude of any \pm value associated with the result is not determined by data validation).
- UJ** The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is *approximate* and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R** The sample result is rejected (i.e., is unusable) due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
- N** The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
- JN** The analyte is considered to be "presumptively present." The associated numerical value represents its *approximate* concentration.

The validated analytical results are attached to this report. Validation qualifiers (flags) are indicated using red ink. Data sheets having qualified data are signed and dated by the data reviewer.

6.0 RESULTS OF THE DATA REVIEW

The results of the data review are summarized in Tables 6-1 through 6-6. The tables list the samples where QC criteria were found to exceed acceptable limits and the actions taken to qualify the associated analytical results.

7.0 TOTAL USABLE DATA

For SDG 1601618, one sample was analyzed and results were reported for 191 analytes. Even though some results were flagged with a "J" as estimated, all results (100 %) are considered usable. See the summary table for the analyses that have been rejected and the associated QC reasons.

Table 6-1 **VOCs**

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
EP-24	Acetone	J detects	ICV RPD > 20 %	Sample detects are estimated
EP-24	Methylene Chloride	UJ non-detects J detects	CCV % D > 20 %	Samples are estimated

Table 6-2 **SVOCs**

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
EP-24	1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene 2-Nitrophenol 2,4-Dichlorophenol 1,2,4-Trichlorobenzene Naphthalene 4-Chloroaniline Hexachlorobutadiene 2-Methylnaphthalene 2,4,6-Trichlorophenol 4-Chlorophenylphenylether 3-Nitroaniline	"UJ"	LCS < 70 % QC limit	All samples non-detect

Table 6-3 Pesticides

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

Table 6-4 PCBs

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

Table 6-5 TAL Metals

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
EP-24	Lead Iron	J detects	Serial dilution > 10 %	Data is estimated

Table 6-6 Wet Chemistry

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

ACRONYMS

BSP	Blank Spike
CCAL	Continuing Calibration
CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification
CRDL	Contract Required Detection Limit
CRQL	Contract Required Quantitation Limit
%D	Percent Difference
ICAL	Initial Calibration
ICB	Initial Calibration Blank
IS	Internal Standard
LCS	Laboratory Control Sample
MS/MSD	Matrix Spike/Matrix Spike Duplicate
QA	Quality Assurance
QC	Quality Control
%R	Percent recovery
RPD	Relative Percent Difference
%RSD	Percent Relative Standard Deviation
TAL	Target Analyte List (metals)
TCL	Target Compound List (organics)

Appendix A

***Validated
Analytical
Results***



Accredited Analytical Resources, LLC.

ANALYTICAL REPORT

for

BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.

Manasquan, NJ 08736

Project: 255 E. 138th Street

AAR Work Order: 1601618

<u>Client Sample ID:</u> EP-24	<u>Lab Sample ID:</u> 1601618-01
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This data has been reviewed and accepted by:

Daniel Miguel
Technical Director

09/27/2016

New Jersey Certification Number: 12007
New York Certification Number: 11109
Pennsylvania Certification Number: 68-02799

This report shall not be reproduced, except in its entirety, without the written consent of Accredited Analytical Resources, LLC.
The test results included in this report relate only to the samples analyzed.



Case Narrative

Conformance / Non-Conformance Summary

Accredited Analytical Resources, LLC received 1 sample(s) from BRINKERHOFF ENVIRONMENTAL (Project: 255 E. 138th Street) on 08/24/2016 14:05.

All analyses were performed within the required holding time.

In the Volatile Organic analyses, B6H2515-MS1/MSD1 had compounds recovered outside acceptance criteria due to matrix interference, the LCS was recovered within acceptance limits for all compounds; therefore, no further action required.

In the BNA analyses, the laboratory control sample (LCS) for Batch B6H2601 recovered outside control limits for multiple analytes. These analytes were recovered within the house limits; therefore, the data has been reported.

In the BNA analyses, the MS/MSD for Batch B6H2601 had compounds recovered outside acceptance criteria due to matrix interference, the LCS was recovered within acceptance limits for affected compounds; therefore, no further action required.

In the Pesticide analyses, the laboratory control sample (LCS) for Batch B6H2506 recovered outside control limits for multiple analytes. These analytes were recovered within the house limits; therefore, the data has been reported.

In the Metals analysis the recoveries of the MS/MSD were outside of acceptance criteria. The QC sample had concentrations too high to be able to determine a spike concentration. The LCS was within acceptance criteria for those metals out in the MS/MSD. The results are included in this data package.

Except for the parameters tested AAR makes no representation as to the fitness or quality of the sample (s) taken.

"The laboratory has reviewed the quality assurance and quality control measurements for the sample analyses."

Daniel Miguel
Technical Director



20 PERSHING AVE, CARTERET, NJ 07008
 Tel. 732-969-6112 FAX 732-541-1383
 WEB: WWW.ACCREDITEDANALYTICAL.COM

CHAIN OF CUSTODY FORM

CLIENT NAME: Brikerhoff Environmental
 ADDRESS: 1805 Atlantic Ave.
 CITY: Manasquan
 STATE: New Jersey ZIP: 08736

STATE AGENCY (CIRCLE ONE): NJ NY PA
 PROJECT NAME: 255 E. 138th St.
 CONTACT: Sean Harrison
 OFFICE PHONE #: (732) 223-2225
 OFFICE FAX #: (732) 223-2686
 INITIAL RESULTS TO: Sharrison@brikerhoff.com
 EMAIL FOR INVOICE: Sharrison@brikerhoff.com

AAR QUOTE #: 1631618
 AAR WORK ORDER #: 10BR178
 P.O. # 10BR178

COLLECTION INFORMATION						ANALYSIS										AAR SAMPLE #
CUSTOMER SAMPLE # / ID	DATE / TIME SAMPLED	MATRIX CODE	DEPTH	# OF CONTAINERS	GRAS (G) COMP (C)	PRES. CODE - CONT. CODE -										
EP-24	8/24/16 12:10	S	0-11	4	G	TALITCL Hex Chrom Tr. Chrom										-01

MATRIX CODES: S = SOIL A = AQUEOUS GW = GROUND WATER WW = WASTE WATER SW = SURFACE WATER P = POTABLE WATER O = OIL K = SOLID X = OTHER

CONTAINER TYPE CODES: G = GLASS P = PLASTIC E = ENCORE PRESERVATIVES CODES: 1 = HCL 2 = HNO3 3 = H2SO4 4 = NaOH 5 = OTHER

TURNAROUND TIME: (CIRCLE ONE) STANDARD 5 DAY 72 HRS. 48 HRS. 24 HRS. OTHER _____
 (IF BLANK STANDARD WILL APPLY)

REPORT TYPE: RESULTS ONLY _____ REDUCED _____ FULL X EDD _____ EXCEL SPREADSHEET _____

COMMENTS: NYS DEC Category B Data Deliverables. Hard copy due 4 weeks from today; 8/24/16 COOLER TEMP: 4°C

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: Jonathan Kraus SIGN: [Signature]

SIGN BELOW WHEN DELIVERING SAMPLES. EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY, CUSTODY MUST BE DOCUMENTED.

RELINQUISHED BY:		RECEIVED BY:		RELINQUISHED BY:		RECEIVED BY:	
Print Name: <u>Jonathan Kraus</u>	Signature: <u>[Signature]</u>	Print Name: <u>MUMIZ</u>	Signature: <u>[Signature]</u>	Print Name:	Signature:	Print Name:	Signature:
Agent of: <u>Brikerhoff</u>	Agent of: <u>AAR</u>	Agent of:	Agent of:	Agent of:	Agent of:	Agent of:	Agent of:
Date Received: <u>8.24.16</u>	Time: <u>1405</u>	Date Received:	Time:	Date Received:	Time:	Date Received:	Time:



ANALYSIS DATA SHEET
EPA 8260

Client: **BRINKERHOFF ENVIRONMENTAL**
 Client Sample ID: **EP-24**
 Lab Sample ID: **1601618-01**
 Project: **255 E. 138th Street**
 Work Order: **1601618**

Date Sampled:	08/24/16 12:10	Prep Date:	08/25/16 17:17	Matrix:	Soil
Percent Solids:	82.40	Prep Method:	EPA 5035A	File ID:	A9225.D
Prep Batch:	B6H2515	Sequence:	S6H2507	Analyzed:	08/25/16 17:17
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
107-02-8	Acrolein	ND	7.68	12.8	U
107-13-1	Acrylonitrile	ND	2.56	12.8	U
67-64-1	Acetone	36.7 J	1.28	2.56	
75-71-8	Dichlorodifluoromethane	ND	1.28	2.56	U
74-87-3	Chloromethane	ND	1.28	2.56	U
75-01-4	Vinyl chloride	ND	1.28	2.56	U
74-83-9	Bromomethane	ND	1.28	2.56	U
75-00-3	Chloroethane	ND	1.28	2.56	U
75-69-4	Trichlorofluoromethane	ND	1.28	2.56	U
75-35-4	1,1-Dichloroethene	ND	1.28	2.56	U
75-15-0	Carbon disulfide	ND	1.28	2.56	U
75-09-2	Methylene Chloride	ND UJ	1.28	2.56	U
156-60-5	trans-1,2-Dichloroethene	ND	1.28	2.56	U
75-34-3	1,1-Dichloroethane	ND	1.28	2.56	U
108-05-4	Vinyl acetate	ND	1.28	2.56	U
590-20-7	2,2-Dichloropropane	ND	1.28	2.56	U
78-93-3	2-Butanone	8.23	1.28	2.56	
156-59-4	cis-1,2-Dichloroethene	ND	1.28	2.56	U
67-66-3	Chloroform	ND	1.28	2.56	U
74-97-5	Bromochloromethane	ND	1.28	2.56	U
71-55-6	1,1,1-Trichloroethane	ND	1.28	2.56	U
563-58-6	1,1-Dichloropropene	ND	1.28	2.56	U
56-23-5	Carbon Tetrachloride	ND	1.28	2.56	U
107-06-2	1,2-Dichloroethane	ND	1.28	2.56	U
71-43-2	Benzene	ND	1.28	2.56	U



ANALYSIS DATA SHEET
EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-24
Lab Sample ID: 1601618-01
Project: 255 E. 138th Street
Work Order: 1601618

Date Sampled:	08/24/16 12:10	Prep Date:	08/25/16 17:17	Matrix:	Soil
Percent Solids:	82.40	Prep Method:	EPA 5035A	File ID:	A0225.D
Prep Batch:	B6H2515	Sequence:	S6H2507	Analyzed:	08/25/16 17:17
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
79-01-6	Trichloroethene	ND	1.28	2.56	U
78-87-5	1,2-Dichloropropane	ND	1.28	2.56	U
75-27-4	Bromodichloromethane	ND	1.28	2.56	U
74-95-3	Dibromomethane	ND	1.28	2.56	U
110-75-8	2-Chloroethyl vinyl ether	ND	1.28	2.56	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.28	2.56	U
108-88-3	Toluene	ND	1.28	2.56	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.28	2.56	U
79-00-5	1,1,2-Trichloroethane	ND	1.28	2.56	U
108-10-1	4-Methyl-2-pentanone	ND	1.28	2.56	U
106-93-4	1,2-Dibromoethane	ND	1.28	2.56	U
591-78-6	2-Hexanone	ND	1.28	2.56	U
142-28-9	1,3-Dichloropropane	ND	1.28	2.56	U
127-18-4	Tetrachloroethene	ND	1.28	2.56	U
124-48-1	Dibromochloromethane	ND	1.28	2.56	U
100-41-4	Ethylbenzene	ND	1.28	2.56	U
108-90-7	Chlorobenzene	ND	1.28	2.56	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.28	2.56	U
108-38-3/106-42	m,p-Xylenes	ND	2.56	5.12	U
95-47-6	o-Xylene	ND	2.56	5.12	U
100-42-5	Styrene	ND	1.28	5.12	U
75-25-2	Bromoform	ND	1.28	2.56	U
98-82-8	Isopropylbenzene	ND	1.28	2.56	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.28	2.56	U
96-18-4	1,2,3-Trichloropropane	ND	1.28	2.56	U



ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-24
Lab Sample ID: 1601618-01
Project: 255 E. 138th Street
Work Order: 1601618

Date Sampled: 08/24/16 12:10	Prep Date: 08/25/16 17:17	Matrix: Soil
Percent Solids: 82.40	Prep Method: EPA 5035A	File ID: A9225.D
Prep Batch: B6H2515	Sequence: S6H2507	Analyzed: 08/25/16 17:17
Dilution: 1		Analyst: SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
103-65-1	n-Propyl Benzene	ND	1.28	2.56	U
108-86-1	Bromobenzene	ND	1.28	2.56	U
108-67-8	1,3,5-Trimethylbenzene	ND	1.28	2.56	U
95-49-8	2-Chlorotoluene	ND	1.28	2.56	U
106-43-4	4-Chlorotoluene	ND	1.28	2.56	U
98-06-6	tert-Butylbenzene	ND	1.28	2.56	U
95-63-6	1,2,4-Trimethylbenzene	ND	1.28	2.56	U
135-98-8	sec-Butylbenzene	ND	1.28	2.56	U
99-87-6	p-Isopropyltoluene	ND	1.28	2.56	U
541-73-1	1,3-Dichlorobenzene	ND	1.28	2.56	U
106-46-7	1,4-Dichlorobenzene	ND	1.28	2.56	U
104-51-8	n-Butyl Benzene	ND	1.28	2.56	U
95-50-1	1,2-Dichlorobenzene	ND	1.28	2.56	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.28	2.56	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.28	2.56	U
87-68-3	Hexachlorobutadiene	ND	1.28	2.56	U
87-61-6	1,2,3-Trichlorobenzene	ND	1.28	2.56	U

<u>Surrogate</u>	<u>% Recovery</u>	<u>Recovery Limits</u>
1,2-Dichloroethane-d4	100%	70-130
Toluene-d8	106%	70-130
Bromofluorobenzene	91%	70-130

* Values outside of QC limits

ND - Indicates compound analyzed for but not detected

U - Indicates compound analyzed for but not detected

J - Indicates estimated value for TICs and all results when detected below the RL

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.

MDL - Minimum detection limit

RL - Reporting limit



ANALYSIS DATA SHEET
EPA 8270

Client: **BRINKERHOFF ENVIRONMENTAL**
 Client Sample ID: **EP-24**
 Lab Sample ID: **1601618-01**
 Project: **255 E. 138th Street**
 Work Order: **1601618**

Date Sampled:	08/24/16 12:10	Prep Date:	08/26/16 05:30	Matrix:	Soil
Percent Solids:	82.40	Prep Method:	EPA 3550B GCMS	File ID:	F14110.D
Prep Batch:	86H2601	Sequence:	S6H2609	Analyzed:	08/26/16 19:07
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
62-75-9	N-Nitrosodimethylamine	ND	40.4	203	U
108-95-2	Phenol	ND	40.4	203	U
111-44-4	bis(2-chloroethyl)ether	ND	40.4	203	U
95-57-8	2-Chlorophenol	ND	40.4	203	U
541-73-1	1,3-Dichlorobenzene	ND <i>UJ</i>	40.4	203	U
106-46-7	1,4-Dichlorobenzene	ND <i>UJ</i>	40.4	203	U
100-51-6	Benzyl alcohol	ND	40.4	203	U
95-50-1	1,2-Dichlorobenzene	ND <i>UJ</i>	40.4	203	U
95-48-7	2-Methylphenol	ND	40.4	203	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	40.4	203	U
106-44-5	3 & 4-Methylphenol	ND	40.4	203	U
621-64-7	N-Nitroso-di-n-propylamine	ND	40.4	203	U
67-72-1	Hexachloroethane	ND	40.4	203	U
98-95-3	Nitrobenzene	ND	40.4	203	U
78-59-1	Isophorone	ND	40.4	203	U
88-75-5	2-Nitrophenol	ND <i>UJ</i>	40.4	203	U
105-67-9	2,4-Dimethylphenol	ND	40.4	203	U
65-85-0	Benzoic acid	ND	101	404	U
111-91-1	bis(2-chloroethoxy)methane	ND	40.4	203	U
120-83-2	2,4-Dichlorophenol	ND <i>UJ</i>	40.4	203	U
120-82-1	1,2,4-Trichlorobenzene	ND <i>UJ</i>	40.4	203	U
91-20-3	Naphthalene	ND <i>UJ</i>	40.4	203	U
106-47-8	4-Chloroaniline	ND <i>UJ</i>	40.4	203	U
87-68-3	Hexachlorobutadiene	ND <i>UJ</i>	40.4	203	U
59-50-7	4-Chloro-3-methylphenol	ND	40.4	203	U



ANALYSIS DATA SHEET
EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-24
Lab Sample ID: 1601618-01
Project: 255 E. 138th Street
Work Order: 1601618

Date Sampled:	08/24/16 12:10	Prep Date:	08/26/16 05:30	Matrix:	Soil
Percent Solids:	82.40	Prep Method:	EPA 3550B GCMS	File ID:	F14110.D
Prep Batch:	B6H2601	Sequence:	S6H2609	Analyzed:	08/26/16 19:07
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
91-57-6	2-Methylnaphthylene	ND <i>UJ</i>	40.4	203	U
77-47-4	Hexachlorocyclopentadiene	ND	40.4	203	U
88-06-2	2,4,6-Trichlorophenol	ND <i>UJ</i>	40.4	203	U
95-95-4	2,4,5-Trichlorophenol	ND	40.4	203	U
91-58-7	2-Chloronaphthalene	ND	40.4	203	U
88-74-4	2-Nitroaniline	ND	40.4	203	U
131-11-3	Dimethylphthalate	ND	40.4	203	U
208-96-8	Acenaphthylene	ND	40.4	203	U
99-09-2	3-Nitroaniline	ND <i>UJ</i>	40.4	203	U
83-32-9	Acenaphthene	ND	40.4	203	U
51-28-5	2,4-Dinitrophenol	ND	40.4	404	U
100-02-7	4-Nitrophenol	ND	40.4	203	U
132-64-9	Dibenzofuran	ND	40.4	203	U
606-20-2	2,6-Dinitrotoluene	ND	40.4	203	U
121-14-2	2,4-Dinitrotoluene	ND	40.4	203	U
84-66-2	Diethyl phthalate	ND	40.4	203	U
7005-72-3	4-Chlorophenyl-phenylether	ND <i>UJ</i>	40.4	203	U
86-73-7	Fluorene	ND	40.4	203	U
100-01-6	4-Nitroaniline	ND	40.4	203	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	40.4	203	U
86-30-6	N-Nitrosodiphenylamine	ND	40.4	203	U
101-55-3	4-Bromophenyl-phenylether	ND	40.4	203	U
118-74-1	Hexachlorobenzene	ND	40.4	203	U
87-86-5	Pentachlorophenol	ND	40.4	203	U
85-01-8	Phenanthrene	ND	40.4	203	U



ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-24
Lab Sample ID: 1601618-01
Project: 255 E. 138th Street
Work Order: 1601618

Date Sampled:	08/24/16 12:10	Prep Date:	08/26/16 05:30	Matrix:	Soil
Percent Solids:	82.40	Prep Method:	EPA 3550B GCMS	File ID:	F14110.D
Prep Batch:	B6H2601	Sequence:	S6H2609	Analyzed:	08/26/16 19:07
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
120-12-7	Anthracene	ND	40.4	203	U
84-74-2	Di-n-butyl phthalate	ND	40.4	203	U
206-44-0	Fluoranthene	ND	40.4	203	U
129-00-0	Pyrene	ND	40.4	203	U
85-68-7	Butylbenzylphthalate	ND	40.4	203	U
91-94-1	3,3'-Dichlorobenzidine	ND	101	203	U
56-55-3	Benzo[a]anthracene	ND	40.4	203	U
117-81-7	bis(2-ethylhexyl)phthalate	ND	40.4	203	U
218-01-9	Chrysene	ND	40.4	203	U
117-84-0	Di-n-octyl phthalate	ND	40.4	203	U
205-99-2	Benzo[b]fluoranthene	ND	40.4	203	U
207-08-9	Benzo[k]fluoranthene	ND	40.4	203	U
50-32-8	Benzo[a]pyrene	ND	40.4	203	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	40.4	203	U
53-70-3	Dibenzo(a,h)anthracene	ND	40.4	203	U
191-24-2	Benzo[ghi]perylene	ND	40.4	203	U

<u>Surrogate</u>	<u>% Recovery</u>	<u>Recovery Limits</u>
2-Fluorophenol	70%	30-130
Phenol-d5	72%	30-130
Nitrobenzene-d5	72%	30-130
2-Fluorobiphenyl	65%	30-130
2,4,6-Tribromophenol	77%	30-130
Terphenyl-d14	85%	30-130



ANALYSIS DATA SHEET

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-24
Lab Sample ID: 1601618-01
Project: 255 E. 138th Street
Work Order: 1601618

Date Sampled:	08/24/16 12:10	Prep Date:	08/25/16 10:21	Matrix:	Soil
Percent Solids:	82.40	Prep Method:	EPA 3550B	File ID:	A22862.D
Prep Batch:	B6H2506	Sequence:	S6H2602	Analyzed:	08/26/16 21:22
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
319-84-6	alpha-BHC	ND	0.801	0.801	U
319-85-7	beta-BHC	ND	0.801	0.801	U
319-86-8	delta-BHC	ND	0.801	0.801	U
58-89-9	gamma-BHC [Lindane]	ND	0.801	0.801	U
76-44-8	Heptachlor	ND	0.801	0.801	U
309-00-2	Aldrin	ND	0.801	0.801	U
1024-57-3	Heptachlor Epoxide	ND	0.801	0.801	U
959-98-8	Endosulfan I	ND	0.801	0.801	U
60-57-1	Dieldrin	ND	1.61	1.61	U
72-55-9	4,4'-DDE	ND	1.61	1.61	U
72-20-8	Endrin	ND	1.61	1.61	U
33213-65-9	Endosulfan II	ND	1.61	1.61	U
72-54-8	4,4'-DDD	ND	1.61	1.61	U
1031-07-8	Endosulfan sulfate	ND	1.61	1.61	U
50-29-3	4,4'-DDT	ND	1.61	1.61	U
72-43-5	Methoxychlor	ND	2.43	8.08	U
53494-70-5	Endrin ketone	ND	1.61	1.61	U
7421-93-4	Endrin aldehyde	ND	1.61	1.61	U
5103-71-9	alpha-Chlordane	ND	0.801	0.801	U
5566-34-7	gamma-Chlordane	ND	0.801	0.801	U
8001-35-2	Toxaphene	ND	40.4	40.4	U
12674-11-2	Aroclor-1016	ND	20.1	40.4	U



ANALYSIS DATA SHEET
EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-24
Lab Sample ID: 1601618-01
Project: 255 E. 138th Street
Work Order: 1601618

Date Sampled:	08/24/16 12:10	Prep Date:	08/25/16 10:21	Matrix:	Soil
Percent Solids:	82.40	Prep Method:	EPA 3550B	File ID:	A22882.D
Prep Batch:	B6H2506	Sequence:	S6H2602	Analyzed:	08/26/16 21:22
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
11104-28-2	Aroclor-1221	ND	20.1	40.4	U
11141-16-5	Aroclor-1232	ND	20.1	40.4	U
53469-21-9	Aroclor-1242	ND	20.1	40.4	U
12672-29-6	Aroclor-1248	ND	20.1	40.4	U
11097-69-1	Aroclor-1254	ND	20.1	40.4	U
11096-82-5	Aroclor-1260	ND	20.1	40.4	U
37324-23-5	Aroclor-1262	ND	20.1	40.4	U
11100-14-4	Aroclor-1268	ND	20.1	40.4	U

Surrogate	% Recovery	Recovery Limits
Tetrachloro-m-xylene	55.3%	30-150
Tetrachloro-m-xylene [2C]	85.3%	30-150
Decachlorobiphenyl	72.9%	30-150
Decachlorobiphenyl [2C]	88.7%	30-150

* Values outside of QC limits
 ND - Indicates compound analyzed for but not detected
 U - Indicates compound analyzed for but not detected
 J - Indicates estimated value for TICs and all results when detected below the RL
 B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard
 D - Indicates result is based on a dilution
 P - Greater than 25% diff. between 2 GC columns.
 MDL - Minimum detection limit
 RL - Reporting limit



ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-24
Lab Sample ID: 1601618-01
Project: 255 E. 138th Street
Work Order: 1601618

Date Sampled: 08/24/16 12:10	Matrix: Soil
Percent Solids: 82.40	File ID: 082616E-027

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
7429-90-5	Aluminum	12600	24.2	24.2	1		08/26/16 07:14	EPA 3050B	08/26/16 14:45 RMK	EPA 6010
7439-97-6	Mercury	ND	0.0910	0.0910	1	U	08/26/16 07:17	EPA 7471A	08/26/16 13:58 PRT	EPA 7471
7440-36-0	Antimony	ND	4.84	4.84	1	U	08/26/16 07:14	EPA 3050B	08/26/16 14:45 RMK	EPA 6010
7440-38-2	Arsenic	2.29	1.21	1.21	1		08/26/16 07:14	EPA 3050B	08/26/16 14:45 RMK	EPA 6010
7440-39-3	Barium	64.0	24.2	24.2	1		08/26/16 07:14	EPA 3050B	08/26/16 14:45 RMK	EPA 6010
7440-41-7	Beryllium	ND	0.605	0.605	1	U	08/26/16 07:14	EPA 3050B	08/26/16 14:45 RMK	EPA 6010
7440-43-9	Cadmium	ND	0.605	0.605	1	U	08/26/16 07:14	EPA 3050B	08/26/16 14:45 RMK	EPA 6010
7440-70-2	Calcium	1630	30.2	30.2	1		08/26/16 07:14	EPA 3050B	08/26/16 14:45 RMK	EPA 6010
7440-47-3	Chromium	15.5	2.42	2.42	1		08/26/16 07:14	EPA 3050B	08/26/16 14:45 RMK	EPA 6010
7440-48-4	Cobalt	6.61	6.05	6.05	1		08/26/16 07:14	EPA 3050B	08/26/16 14:45 RMK	EPA 6010
7440-50-8	Copper	10.1	3.63	3.63	1		08/26/16 07:14	EPA 3050B	08/26/16 14:45 RMK	EPA 6010
7439-89-6	Iron	14400 J	30.2	30.2	1		08/26/16 07:14	EPA 3050B	08/26/16 14:45 RMK	EPA 6010
7439-92-1	Lead	12.9 J	1.21	1.21	1		08/26/16 07:14	EPA 3050B	08/26/16 14:45 RMK	EPA 6010
7439-95-4	Magnesium	3030	60.5	60.5	1		08/26/16 07:14	EPA 3050B	08/26/16 14:45 RMK	EPA 6010
7439-96-5	Manganese	418	2.42	2.42	1		08/26/16 07:14	EPA 3050B	08/26/16 14:45 RMK	EPA 6010
7440-02-0	Nickel	12.4	4.84	4.84	1		08/26/16 07:14	EPA 3050B	08/26/16 14:45 RMK	EPA 6010
7440-09-7	Potassium	690	60.5	60.5	1		08/26/16 07:14	EPA 3050B	08/26/16 14:45 RMK	EPA 6010
7782-49-2	Selenium	ND	4.84	4.84	1	U	08/26/16 07:14	EPA 3050B	08/26/16 14:45 RMK	EPA 6010
7440-22-4	Silver	ND	0.605	0.605	1	U	08/26/16 07:14	EPA 3050B	08/26/16 14:45 RMK	EPA 6010
7440-23-5	Sodium	89.3	60.5	60.5	1		08/26/16 07:14	EPA 3050B	08/26/16 14:45 RMK	EPA 6010
7440-28-0	Thallium	ND	1.81	3.63	1	U	08/26/16 07:14	EPA 3050B	08/26/16 14:45 RMK	EPA 6010
7440-62-2	Vanadium	21.1	6.05	6.05	1		08/26/16 07:14	EPA 3050B	08/26/16 14:45 RMK	EPA 6010
7440-66-6	Zinc	41.4	7.26	7.26	1		08/26/16 07:14	EPA 3050B	08/26/16 14:45 RMK	EPA 6010

* Values outside of QC limits
 ND - Indicates compound analyzed for but not detected
 U - Indicates compound analyzed for but not detected
 J - Indicates estimated value for TICs and all results when detected below the RL
 B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard
 D - Indicates result is based on a dilution
 P - Greater than 25% diff. between 2 GC columns.
 MDL - Minimum detection limit
 RL - Reporting limit

RMK 10/27/16



ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-24
Lab Sample ID: 1601618-01
Project: 255 E. 138th Street
Work Order: 1601618

Date Sampled: 08/24/16 12:10	Matrix: Soil
Percent Solids: 82.40	File ID:

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
16065-83-1	Trivalent Chromium	15.5	1.99	1.99	1		08/26/16 08:47	[CALC]	08/27/16 13:36 NNM	[CALC]
1854-02-99	Chromium, Hexava	ND	2.43	2.43	1	U	08/26/16 08:47	SW 846 3060A	08/27/16 13:36 NNM	EPA 7196A
NA	Cyanide (total)	ND	1.21	1.21	1	U	08/29/16 11:48	EPA 9010C	08/29/16 17:06 NNM	EPA 9014

CAS NO.	Analyte	Concentration (%)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
NA	Percent Solids	82.4	0.100	0.100	1		08/26/16 09:30	Percent Solids	08/29/16 09:19 CLD	SM 2540 G

* Values outside of QC limits

ND - Indicates compound analyzed for but not detected

U - Indicates compound analyzed for but not detected

J - Indicates estimated value for TICs and all results when detected below the RL

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.

MDL - Minimum detection limit

RL - Reporting limit

Appendix B

***Laboratory
QC
Documentation***



INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
 Work Order: 1601618
 Project: 255 E. 138th Street

Calibration: 16G2901	Instrument: GC/MS A
	Calibration Date: 7/28/2016 11:00:56AM

COMPOUND	Mean RF	RF RSD	LIMIT	Q
Acrolein	3.940028E-02	3.96743		
Acrylonitrile	9.664191E-02	10.03424		
Acetone	0.2048483	39.69748		
Dichlorodifluoromethane	0.6149421	13.26661		
Chloromethane	0.7591113	7.325997	SPCC (0.1)	
Vinyl chloride	0.7362654	8.753645	CCC (20)	
Bromomethane	0.5626239	10.75447		
Chloroethane	0.2338689	6.217668		
Trichlorofluoromethane	0.8001752	10.82604		
Freon 113	0.5444944	4.681728		
1,1-Dichloroethene	0.777461	4.210771	CCC (20)	
Carbon disulfide	1.858694	9.074759		
Methyl Acetate	0.1922845	11.73523		
Methylene Chloride	1.3004	104.2599		
trans-1,2-Dichloroethene	0.764663	8.951139		
1,1-Dichloroethane	0.8798868	5.384	SPCC (0.1)	
Vinyl acetate	0.7730708	10.04256		
2,2-Dichloropropane	0.8674895	10.00306		
2-Butanone	0.1876336	6.12607		
cis-1,2-Dichloroethene	0.7020811	9.315722		
Chloroform	0.8983923	6.321035	CCC (20)	
Bromochloromethane	0.2926808	3.87027		
Cyclohexane	0.8792215	8.624052		
1,1,1-Trichloroethane	0.8270675	5.890328		
t-Butyl alcohol	2.239046E-02	9.948907		



CONTINUING CALIBRATION VERIFICATION

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
 Work Order: 1601618
 Project: 255 E. 138th Street

Instrument ID: GC/MS A
 Lab File ID: A9216.D
 Sequence: S6H2507
 Lab Sample ID: S6H2507-CCV1

Calibration: 16G2901
 Calibration Date: 07/28/16 11:00
 Injection Date: 08/25/16
 Injection Time: 12:00

COMPOUND	TYPE	CONC. (ug/L)		RESPONSE FACTOR			% DIFF	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acrolein	A	250	292	3.940028E-02	4.605724E-02		16.9	
Acrylonitrile	A	250	301	9.664191E-02	0.1163817		20.4	
Acetone	L	50.0	59.8	0.2048483	0.1945017		-5.1	
Dichlorodifluoromethane	A	50.0	42.5	0.6149421	0.5226777		-15.0	
Chloromethane	A	50.0	52.8	0.7591113	0.8008835	0.1	5.5	
Vinyl chloride	A	50.0	53.0	0.7362654	0.7800417		5.9	20
Bromomethane	A	50.0	50.2	0.5626239	0.5650133		0.4	
Chloroethane	A	50.0	59.2	0.2338689	0.2768479		18.4	
Trichlorofluoromethane	A	50.0	43.5	0.8001752	0.6958736		-13.0	
Freon 113	A	50.0	48.6	0.5444944	0.5288837		-2.9	
1,1-Dichloroethene	A	50.0	50.3	0.777461	0.7821468		0.6	20
Carbon disulfide	A	50.0	52.9	1.858694	1.965939		5.8	
Methyl Acetate	A	50.0	63.2	0.1922845	0.2430867		26.4	NT
Methylene Chloride	L	50.0	62.0	1.3004	0.7927271		-39.0	
trans-1,2-Dichloroethene	A	50.0	52.7	0.764663	0.8058722		5.4	
1,1-Dichloroethane	A	50.0	52.8	0.8798868	0.9301238	0.1	5.7	
Vinyl acetate	A	50.0	56.6	0.7730708	0.8756154		13.3	
2,2-Dichloropropane	A	50.0	44.0	0.8674895	0.762611		-12.1	
2-Butanone	A	50.0	58.2	0.1876336	0.2182822		16.3	
cis-1,2-Dichloroethene	A	50.0	51.9	0.7020811	0.7289016		3.8	
Chloroform	A	50.0	48.8	0.8983923	0.8763474		-2.5	20
Bromochloromethane	A	50.0	54.4	0.2926808	0.3186664		8.9	
Cyclohexane	A	50.0	54.6	0.8792215	0.9597823		9.2	



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EP-24

Client: **BRINKERHOFF ENVIRONMENTAL**
 Project: **255 E. 138th Street**
 Work Order: **1601618**

Matrix:	Solid	Analysis Method:	EPA 8270
Prep Batch:	B6H2601	Prep Method:	EPA 3550B GCMS
Percent Solids:	82.40	Laboratory ID:	B6H2601-MS1
		Client Sample ID:	1601618-01

ANALYTE	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC.	QC LIMITS REC.
Pyridine	2020	ND	1120	56	20 - 160
N-Nitrosodimethylamine	2020	ND	1340	66	20 - 160
Aniline	2020	ND	1280	63	20 - 160
Phenol	2020	ND	1400	69	20 - 160
bis(2-chloroethyl)ether	2020	ND	1360	67	* 70 - 130
2-Chlorophenol	2020	ND	1260	62	* 70 - 130
1,3-Dichlorobenzene	2020	ND	1150	57	* 70 - 130
1,4-Dichlorobenzene	2020	ND	1160	57	* 70 - 130
Benzyl alcohol	2020	ND	1330	66	20 - 160
1,2-Dichlorobenzene	2020	ND	1190	59	* 70 - 130
2-Methylphenol	2020	ND	1330	66	20 - 160
bis(2-chloroisopropyl)ether	2020	ND	1560	77	70 - 130
3 & 4-Methylphenol	2020	ND	1380	68	20 - 160
N-Nitroso-di-n-propylamine	2020	ND	1360	67	* 70 - 130
Hexachloroethane	2020	ND	1040	51	20 - 160
Nitrobenzene	2020	ND	1360	67	* 70 - 130
Isophorone	2020	ND	1440	71	70 - 130
2-Nitrophenol	2020	ND	1290	64	* 70 - 130
2,4-Dimethylphenol	2020	ND	1300	64	* 70 - 130
bis(2-chloroethoxy)methane	2020	ND	1390	69	* 70 - 130
2,4-Dichlorophenol	2020	ND	1280	63	* 70 - 130
1,2,4-Trichlorobenzene	2020	ND	1170	58	* 70 - 130
Naphthalene	2020	ND	1250	62	* 70 - 130
4-Chloroaniline	2020	ND	966	48	20 - 160
Hexachlorobutadiene	2020	ND	1050	52	* 70 - 130
4-Chloro-3-methylphenol	2020	ND	1430	71	70 - 130
2-Methylnaphthylene	2020	ND	1310	65	* 70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EP-24

Client: BRINKERHOFF ENVIRONMENTAL
Project: 256 E. 138th Street
Work Order: 1601618

Matrix:	Solid	Analysis Method:	EPA 8270
Prep Batch:	B6H2601	Prep Method:	EPA 3550B GCMS
Percent Solids:	82.40	Laboratory ID:	B6H2601-MS1
		Client Sample ID:	1601618-01

ANALYTE	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC.		QC LIMITS REC.
Hexachlorocyclopentadiene	2020	ND	622	31		20 - 160
2,4,6-Trichlorophenol	2020	ND	1340	66	*	70 - 130
2,4,5-Trichlorophenol	2020	ND	1390	69	*	70 - 130
2-Chloronaphthalene	2020	ND	1340	66	*	70 - 130
2-Nitroaniline	2020	ND	1650	81		70 - 130
Dimethylphthalate	2020	ND	1500	74		70 - 130
Acenaphthylene	2020	ND	1400	69	*	70 - 130
3-Nitroaniline	2020	ND	1390	68	*	70 - 130
Acenaphthene	2020	ND	1440	71		70 - 130
2,4-Dinitrophenol	2020	ND	1140	57		20 - 160
4-Nitrophenol	2020	ND	1380	68		20 - 160
Dibenzofuran	2020	ND	1400	69	*	70 - 130
2,6-Dinitrotoluene	2020	ND	1450	72		70 - 130
2,4-Dinitrotoluene	2020	ND	1500	74		70 - 130
2,3,4,6-Tetrachlorophenol	2020	ND	1370	68	*	70 - 130
Diethyl phthalate	2020	ND	1470	73		70 - 130
4-Chlorophenyl-phenylether	2020	ND	1350	67	*	70 - 130
Fluorene	2020	ND	1430	70		70 - 130
4-Nitroaniline	2020	ND	1660	82		70 - 130
4,6-Dinitro-2-methylphenol	2020	ND	1320	65	*	70 - 130
Carbazole	2020	ND	1570	77		70 - 130
N-Nitrosodiphenylamine	2020	ND	1460	72		20 - 160
Azobenzene	2020	ND	1800	89		70 - 130
4-Bromophenyl-phenylether	2020	ND	1390	68	*	70 - 130
Hexachlorobenzene	2020	ND	1390	69	*	70 - 130
Pentachlorophenol	2020	ND	1350	67		20 - 160
Phenanthrene	2020	ND	1470	73		70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EP-24

Client: BRINKERHOFF ENVIRONMENTAL
 Project: 255 E. 138th Street
 Work Order: 1601618

Matrix:	Solid	Analysis Method:	EPA 8270
Prep Batch:	B6H2601	Prep Method:	EPA 3550B GCMS
Percent Solids:	82.40	Laboratory ID:	B6H2601-MS1
		Client Sample ID:	1601618-01

ANALYTE	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC.	QC LIMITS REC.
Anthracene	2020	ND	1470	73	70 - 130
Di-n-butyl phthalate	2020	ND	1510	74	70 - 130
Fluoranthene	2020	ND	1490	74	70 - 130
Pyrene	2020	ND	1530	76	70 - 130
Butylbenzylphthalate	2020	ND	1550	77	70 - 130
Benzo[a]anthracene	2020	ND	1430	71	70 - 130
bis(2-ethylhexyl)phthalate	2020	ND	1560	77	70 - 130
Chrysene	2020	ND	1480	73	70 - 130
Di-n-octyl phthalate	2020	ND	1580	78	70 - 130
Benzo[b]fluoranthene	2020	ND	1420	70	70 - 130
Benzo[k]fluoranthene	2020	ND	1500	74	70 - 130
Benzo[a]pyrene	2020	ND	1500	74	70 - 130
Indeno(1,2,3-cd)pyrene	2020	ND	1440	71	70 - 130
Dibenzo(a,h)anthracene	2020	ND	1460	72	70 - 130
Benzo[ghi]perylene	2020	ND	1430	71	70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EP-24

Client: **BRINKERHOFF ENVIRONMENTAL**
 Project: **256 E. 138th Street**
 Work Order: **1601618**

Matrix:	Solid	Analysis Method:	EPA 8270
Prep Batch:	B6H2601	Prep Method:	EPA 3550B GCMS
Percent Solids:	82.40	Laboratory ID:	B6H2601-MSD1
		Client Sample ID:	1601618-01

ANALYTE	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
Pyridine	2020	1300	64	14	30	20 - 160
N-Nitrosodimethylamine	2020	1600	79	18	30	20 - 160
Aniline	2020	1430	71	11	30	20 - 160
Phenol	2020	1640	81	16	30	20 - 160
bis(2-chloroethyl)ether	2020	1560	77	14	30	70 - 130
2-Chlorophenol	2020	1480	73	16	30	70 - 130
1,3-Dichlorobenzene	2020	1320	65 *	14	30	70 - 130
1,4-Dichlorobenzene	2020	1320	65 *	13	30	70 - 130
Benzyl alcohol	2020	1550	77	15	30	20 - 160
1,2-Dichlorobenzene	2020	1340	66 *	12	30	70 - 130
2-Methylphenol	2020	1570	78	16	30	20 - 160
bis(2-chloroisopropyl)ether	2020	1770	87	13	30	70 - 130
3 & 4-Methylphenol	2020	1600	79	15	30	20 - 160
N-Nitroso-di-n-propylamine	2020	1590	78	15	30	70 - 130
Hexachloroethane	2020	1030	51	0.8	30	20 - 160
Nitrobenzene	2020	1540	76	13	30	70 - 130
Isophorone	2020	1640	81	13	30	70 - 130
2-Nitrophenol	2020	1460	72	13	30	70 - 130
2,4-Dimethylphenol	2020	1520	75	15	30	70 - 130
bis(2-chloroethoxy)methane	2020	1620	80	15	30	70 - 130
2,4-Dichlorophenol	2020	1500	74	16	30	70 - 130
1,2,4-Trichlorobenzene	2020	1340	66 ¹ *	14	30	70 - 130
Naphthalene	2020	1410	70	12	30	70 - 130
4-Chloroaniline	2020	883	44	9	30	20 - 160
Hexachlorobutadiene	2020	1190	59 *	13	30	70 - 130
4-Chloro-3-methylphenol	2020	1610	80	12	30	70 - 130
2-Methylnaphthylene	2020	1470	73	12	30	70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EP-24

Client: **BRINKERHOFF ENVIRONMENTAL**
 Project: **255 E. 138th Street**
 Work Order: **1601618**

Matrix:	Solid	Analysis Method:	EPA 8270
Prep Batch:	B6H2601	Prep Method:	EPA 3550B GCMS
Percent Solids:	82.40	Laboratory ID:	B6H2601-MSD1
		Client Sample ID:	1601618-01

ANALYTE	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
Hexachlorocyclopentadiene	2020	454	22	31 *	30	20 - 160
2,4,6-Trichlorophenol	2020	1490	74	10	30	70 - 130
2,4,5-Trichlorophenol	2020	1570	78	13	30	70 - 130
2-Chloronaphthalene	2020	1500	74	12	30	70 - 130
2-Nitroaniline	2020	1780	88	8	30	70 - 130
Dimethylphthalate	2020	1680	83	11	30	70 - 130
Acenaphthylene	2020	1560	77	11	30	70 - 130
3-Nitroaniline	2020	1400	69 *	1	30	70 - 130
Acenaphthene	2020	1590	79	10	30	70 - 130
2,4-Dinitrophenol	2020	1320	65	14	30	20 - 160
4-Nitrophenol	2020	1500	74	8	30	20 - 160
Dibenzofuran	2020	1540	76	9	30	70 - 130
2,6-Dinitrotoluene	2020	1580	78	8	30	70 - 130
2,4-Dinitrotoluene	2020	1630	81	8	30	70 - 130
2,3,4,6-Tetrachlorophenol	2020	1490	73	8	30	70 - 130
Diethyl phthalate	2020	1590	78	7	30	70 - 130
4-Chlorophenyl-phenylether	2020	1500	74	10	30	70 - 130
Fluorene	2020	1570	78	10	30	70 - 130
4-Nitroaniline	2020	1740	86	5	30	70 - 130
4,6-Dinitro-2-methylphenol	2020	1500	74	13	30	70 - 130
Carbazole	2020	1720	85	10	30	70 - 130
N-Nitrosodiphenylamine	2020	1630	80	11	30	20 - 160
Azobenzene	2020	1970	98	9	30	70 - 130
4-Bromophenyl-phenylether	2020	1580	78	13	30	70 - 130
Hexachlorobenzene	2020	1560	77	11	30	70 - 130
Pentachlorophenol	2020	1510	75	11	30	20 - 160
Phenanthrene	2020	1610	80	9	30	70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EP-24

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 E. 138th Street
Work Order: 1601618

Matrix:	Solid	Analysis Method:	EPA 8270
Prep Batch:	B6H2601	Prep Method:	EPA 3550B GCMS
Percent Solids:	82.40	Laboratory ID:	B6H2601-MSD1
		Client Sample ID:	1601618-01

ANALYTE	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
Anthracene	2020	1620	80	10	30	70 - 130
Di-n-butyl phthalate	2020	1660	82	10	30	70 - 130
Fluoranthene	2020	1620	80	8	30	70 - 130
Pyrene	2020	1670	83	9	30	70 - 130
Butylbenzylphthalate	2020	1680	83	8	30	70 - 130
Benzo[a]anthracene	2020	1570	78	9	30	70 - 130
bis(2-ethylhexyl)phthalate	2020	1690	83	8	30	70 - 130
Chrysene	2020	1610	80	9	30	70 - 130
Di-n-octyl phthalate	2020	1700	84	8	30	70 - 130
Benzo[b]fluoranthene	2020	1630	81	14	30	70 - 130
Benzo[k]fluoranthene	2020	1660	82	10	30	70 - 130
Benzo[a]pyrene	2020	1620	80	8	30	70 - 130
Indeno(1,2,3-cd)pyrene	2020	1570	78	9	30	70 - 130
Dibenzo(a,h)anthracene	2020	1610	80	10	30	70 - 130
Benzo[ghi]perylene	2020	1550	76	8	30	70 - 130



LCS / LCS DUPLICATE RECOVERY

EPA 8270

Client: **BRINKERHOFF ENVIRONMENTAL**
 Project: **255 E. 138th Street**
 Work Order: **1601618**

Matrix:	Solid	Prep Method:	EPA 3550B GCMS
Prep Batch:	B6H2601	Lab Sample ID:	B6H2601-BS1

ANALYTE	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC.	QC LIMITS REC.
Pyridine	1670	1050	63	20 - 160
N-Nitrosodimethylamine	1670	1340	81	20 - 160
Aniline	1670	1190	72	20 - 160
Phenol	1670	1330	80	20 - 160
bis(2-chloroethyl)ether	1670	1270	76	70 - 130
2-Chlorophenol	1670	1210	73	70 - 130
1,3-Dichlorobenzene	1670	1060	63 *	70 - 130
1,4-Dichlorobenzene	1670	1060	63 *	70 - 130
Benzyl alcohol	1670	1260	76	20 - 160
1,2-Dichlorobenzene	1670	1080	65 *	70 - 130
2-Methylphenol	1670	1280	77	20 - 160
bis(2-chloroisopropyl)ether	1670	1470	88	70 - 130
3 & 4-Methylphenol	1670	1300	78	20 - 160
N-Nitroso-di-n-propylamine	1670	1290	77	70 - 130
Hexachloroethane	1670	1070	64	20 - 160
Nitrobenzene	1670	1210	73	70 - 130
Isophorone	1670	1290	77	70 - 130
2-Nitrophenol	1670	1130	68 *	70 - 130
2,4-Dimethylphenol	1670	1160	70	70 - 130
bis(2-chloroethoxy)methane	1670	1260	76	70 - 130
2,4-Dichlorophenol	1670	1160	69 *	70 - 130
1,2,4-Trichlorobenzene	1670	1060	63 *	70 - 130
Naphthalene	1670	1130	68 *	70 - 130
4-Chloroaniline	1670	734	44 *	70 - 130
Hexachlorobutadiene	1670	949	57 *	70 - 130
4-Chloro-3-methylphenol	1670	1230	74	70 - 130
2-Methylnaphthylene	1670	1140	68 *	70 - 130
Hexachlorocyclopentadiene	1670	907	54	20 - 160



LCS / LCS DUPLICATE RECOVERY

EPA 8270

Client: **BRINKERHOFF ENVIRONMENTAL**
 Project: **255 E. 138th Street**
 Work Order: **1601618**

Matrix:	Solid	Prep Method:	EPA 3550B GCMS
Prep Batch:	B6H2601	Lab Sample ID:	B6H2601-BS1

ANALYTE	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC.	QC LIMITS REC.
2,4,6-Trichlorophenol	1670	1130	68 *	70 - 130
2,4,5-Trichlorophenol	1670	1180	71	70 - 130
2-Chloronaphthalene	1670	1160	70	70 - 130
2-Nitroaniline	1670	1390	83	70 - 130
Dimethylphthalate	1670	1250	75	70 - 130
Acenaphthylene	1670	1200	72	70 - 130
3-Nitroaniline	1670	1110	67 *	70 - 130
Acenaphthene	1670	1220	73	70 - 130
2,4-Dinitrophenol	1670	1030	62	20 - 160
4-Nitrophenol	1670	1120	67	20 - 160
Dibenzofuran	1670	1190	71	70 - 130
2,6-Dinitrotoluene	1670	1230	74	70 - 130
2,4-Dinitrotoluene	1670	1280	77	70 - 130
2,3,4,6-Tetrachlorophenol	1670	1130	68 *	70 - 130
Diethyl phthalate	1670	1220	73	70 - 130
4-Chlorophenyl-phenylether	1670	1130	68 *	70 - 130
Fluorene	1670	1200	72	70 - 130
4-Nitroaniline	1670	1360	82	70 - 130
4,6-Dinitro-2-methylphenol	1670	1180	71	70 - 130
Carbazole	1670	1290	78	70 - 130
N-Nitrosodiphenylamine	1670	1230	74	20 - 160
Azobenzene	1670	1500	90	70 - 130
4-Bromophenyl-phenylether	1670	1190	72	70 - 130
Hexachlorobenzene	1670	1170	70	70 - 130
Pentachlorophenol	1670	1150	69	20 - 160
Phenanthrene	1670	1220	73	70 - 130
Anthracene	1670	1230	74	70 - 130
Di-n-butyl phthalate	1670	1280	77	70 - 130



LCS / LCS DUPLICATE RECOVERY

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 E. 138th Street
Work Order: 1601618

Matrix:	Solid	Prep Method:	EPA 3550B GCMS
Prep Batch:	B6H2601	Lab Sample ID:	B6H2601-BS1

ANALYTE	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC.	QC LIMITS REC.
Fluoranthene	1670	1240	75	70 - 130
Pyrene	1670	1280	77	70 - 130
Butylbenzylphthalate	1670	1280	77	70 - 130
Benzo[a]anthracene	1670	1220	73	70 - 130
bis(2-ethylhexyl)phthalate	1670	1310	79	70 - 130
Chrysene	1670	1260	75	70 - 130
Di-n-octyl phthalate	1670	1270	76	70 - 130
Benzo[b]fluoranthene	1670	1220	73	70 - 130
Benzo[k]fluoranthene	1670	1290	77	70 - 130
Benzo[a]pyrene	1670	1260	75	70 - 130
Indeno(1,2,3-cd)pyrene	1670	1240	75	70 - 130
Dibenzo(a,h)anthracene	1670	1260	76	70 - 130
Benzo[ghi]perylene	1670	1240	75	70 - 130

* Values outside of QC limits



SERIAL DILUTION

EPA 6010

Laboratory:	Accredited Analytical Resources LLC	Work Order:	1601618
Client:	BRINKERHOFF ENVIRONMENTAL	Project:	255 E. 138th Street
Matrix:	Solid	Laboratory ID:	S6H2606-SRD1
Sequence:	S6H2606	Source:	ZZZZZZZ

Analyte	Initial Sample Result (I)	Serial Dilution Result (S)	% Difference	Q	QC Limits % Difference
Lead	17.8	19.7	10.1	*	10.00
Antimony	ND	ND	N/A		10.00
Arsenic	1.34	ND	N/A		10.00
Barium	48.6	ND	N/A		10.00
Beryllium	ND	ND	N/A		10.00
Cadmium	ND	ND	N/A		10.00
Calcium	2940	3140	6.67		10.00
Chromium	21.7	23.0	5.50		10.00
Cobalt	6.63	ND	N/A		10.00
Aluminum	9090	9510	4.58		10.00
Iron	16200	18000	10.6	*	10.00
Zinc	41.7	45.4	8.54		10.00
Magnesium	4000	4190	4.49		10.00
Manganese	231	250	7.55		10.00
Nickel	14.4	ND	N/A		10.00
Potassium	1330	1370	3.48		10.00
Selenium	ND	ND	N/A		10.00
Silver	ND	ND	N/A		10.00
Sodium	160	ND	N/A		10.00
Thallium	ND	ND	N/A		10.00
Vanadium	33.5	34.7	3.58		10.00
Copper	19.7	21.4	8.29		10.00

* Values outside of QC limits

Appendix C

Validator Qualifications

KENNETH R. APPLIN
Geochemist/Data Validator

Ph.D., Geochemistry and Mineralogy, The Pennsylvania State University

M.S., Geochemistry and Mineralogy, The Pennsylvania State University

B.A., Geological Sciences, SUNY at Geneseo, NY

Dr. Applin has over 35 years of experience working with the geochemistry of natural waters. His prior experience includes working as an Assistant Professor of Geology at the University of Missouri-Columbia and as Chief Hydrogeologist and Geochemist with a leading engineering firm in Rochester, NY. In 1993, he established KR Applin and Associates, a small consulting business that focuses on the geochemistry of natural waters, especially as applied to problems involving the contamination of groundwater and surface water.

Dr. Applin is also an experienced analytical data validator and has provided data validation services since 1994 to a variety of clients performing brownfield cleanup projects, hazardous waste remediation, groundwater monitoring at solid waste facilities, and other projects requiring third-party data validation. Dr. Applin has several years of hands-on experience with the laboratory analysis of natural waters and has successfully completed the USEPA Region II certification courses for performing inorganic and organic analytical data validation.

MICHAEL K. PERRY
Chemist/Data Validator

B.S. Chemistry, Georgia State University, Atlanta, GA

A.A.S., Chemical Technology, Alfred State College, Alfred, NY

Mr. Perry has over 30 years of experience in the analytical laboratory business. During his early career, he spent several years as a laboratory analyst performing the analysis of soil, water, and air samples for inorganic and organic chemical parameters. During his last 20 years in the environmental laboratory business, he managed and directed two major analytical laboratories in Rochester, NY. His management responsibilities included oversight of the daily operations of the lab, staff training and supervision, the selection, purchase, and maintenance of analytical instruments, the introduction of new laboratory methods, analytical quality assurance and quality control, data acquisition and management, and other business-related activities.

Mr. Perry has an extensive working knowledge of the methods and procedures used for sampling and analyzing both inorganic and organic analytes in soil, water, and air. He is an accomplished laboratory chemist and is familiar with the analytical methods and procedures established under the USEPA Contract Laboratory Protocols (CLP), the NYSDEC Analytical Services Protocols (ASP), and the NYSDOH Environmental Laboratory Approval Program (ELAP).

DATA USABILITY SUMMARY REPORT (DUSR)

**Former G & C Services
255 East 138th Street
Bronx, NY
NYSDEC BCP # C203057**

SDG: 1601635
1 Soil Sample

Prepared for:

**Brinkerhoff Environmental Services, Inc.
1805 Atlantic Avenue
Manasquan, NJ 08736**

October 2016



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REVIEWER'S NARRATIVE
SDG 1601635

The data associated with this Sample Delivery Group (SDG) 1601635, analyzed by Accredited Analytical Resources, LLC, Carteret, NJ have been reviewed in accordance with assessment criteria provided by the New York State Department of Environmental Conservation following the review procedures provided in the USEPA Functional Guidelines for evaluating organic and inorganic data.

All analytical results reported by the laboratory are considered valid and acceptable except results that have been qualified as rejected, "R". Results qualified as estimated "J", or as non-detects, "U", are considered usable for the purpose of evaluating water and/or soil quality. However, these qualifiers indicate that the accuracy and/or precision of the analytical result is questionable. A summary of all data that have been qualified and the reasons for qualification are provided in the following data usability summary report (DUSR).

Two facts should be noted by all data users. First, the "R" qualifier means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the analyte is present or not. Values qualified with an "R" should not appear on the final data tables because they cannot be relied upon, even as the last resort. Second, no analyte concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error.

Reviewer's Signature: Michael K. Perry Date: 10/27/16
Michael K. Perry
Chemist

1.0 SUMMARY

SITE:	255 East 138 th Street. Bronx, NY
SAMPLING DATE:	August 24, 2016
SAMPLE TYPE:	1 soil sample
LABORATORY:	Accredited Analytical Resources, LLC. Carteret, NJ
SDG No.:	1601635

2.0 INTRODUCTION

This data usability summary report (DUSR) was prepared in accordance with guidance provided by the New York State Department of Environmental Conservation (NYSDEC). The DUSR is based on a review and evaluation of the laboratory analytical data package. Specifically, the NYSDEC guidance recommends review and evaluation of the following elements of the data package:

- Completeness of the data package as defined under the requirements of the NYSDEC Analytical Services Protocols (ASP) Category B or the United States Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) deliverables,
- Compliance with established analyte holding times,
- Adherence to quality control (QC) limits and specifications for blanks, instrument tuning and calibration, surrogate recoveries, spike recoveries, laboratory duplicate analyses, and other QC criteria,
- Adherence to established analytical protocols,
- Conformance of data summary sheets with raw analytical data, and
- Use of correct data qualifiers.

Data deficiencies, analytical protocol deviations, and quality control problems identified using the review criteria above and their effect on the analytical results are discussed in this report.

3.0 SAMPLE AND ANALYSIS SUMMARY

The data package consists of analytical results for one soil sample collected on August 24, 2016. This sample was analyzed for volatile organic compounds, semi-volatile organic compounds, pesticides, polychlorinated biphenyls (PCBs), TAL metals, hexavalent chromium, and total cyanide.

All laboratory analyses were performed by Accredited Analytical Resources, LLC., Carteret, NJ and analyzed as SDG 1601635. The analytical results were provided in NYSDEC ASP Category B format, which includes all raw analytical data and laboratory QC data.

4.0 GUIDANCE DOCUMENTS AND DATA REVIEW CRITERIA

The guidance documents used for reviewing laboratory quality control (QC) data and assigning data qualifiers (flags) to analytical results are listed in Table 4-1. The QC limits established in the documents applicable to this data review were used to assess the quality of the analytical results. In some cases, however, QC limits established internally by the laboratory were taken into account to determine data quality.

The QC criteria considered for assessing the usability of the reported analytical results provided for each analyte type (i.e. VOCs, SVOCs, metals, etc.) are listed in Table 4-2. These criteria may vary with the analytical method utilized by the laboratory. These criteria comply with the guidance recommended in Section 2.0 above.

5.0 DATA VALIDATION QUALIFIERS

The letter qualifiers (flags) used to define data usability are described briefly below. These letters are assigned by the data validator to analytical results having questionable accuracy and/or precision as determined by reviewing the laboratory QC data associated with the analytical results.

TABLE 4-1**DATA VALIDATION GUIDANCE DOCUMENTS**

Analyte Type	Validation Guidance
VOCs	USEPA, 2008, Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry; SW-846 Method 8260B; SOP # HW-24, Rev. 2. USEPA, 2008, Statement of Work for Organic Analysis of Low/Medium Concentration of Volatile Organic Compounds SOM01.2; SOP HW-33, Rev. 2.
SVOCs	USEPA, 2007, Statement of Work for Organic Analysis of Low/Medium Concentration of Semivolatile Organic Compounds SOM01.2; SOP HW-35, Rev. 1.
Pesticides/PCBs	USEPA, 2006, CLP Organics Data Review and Preliminary Review (CLP/SOW OLMO 4.3); SOP # HW-6, Rev. 14, Part C.
Metals	USEPA, 2006, Validation of Metals for the Contract Laboratory Program (CLP) based on SOW ILMO 5.3 (SOP Revision 13), SOP # HW-2, Rev. 13.
Gen Chemistry	NYSDEC, 2005, Analytical Services Protocols (ASP)
VOCs (Ambient air)	USEPA, 2006, Validating Air Samples, Volatile Organic Analysis of Ambient Air in Canister by Method TO-15; SOP # HW-31, Rev. 4.

TABLE 4-2

**QUALITY CONTROL CRITERIA USED FOR VALIDATING
LABORATORY ANALYTICAL DATA**

VOCs	SVOCs	Pesticides/PCBs	Metals	Gen Chemistry	Method TO-15
Completeness of Pkg Sample Condition Holding Time System Monitoring Compounds Lab Control Sample Matrix Spikes Blanks Instrument Tuning Internal Standards Initial Calibration Continuing Calibration Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Time Surrogate Recoveries Lab Control Sample Matrix Spikes Blanks Instrument Tuning Internal Standards Initial Calibration Continuing Calibration Lab Qualifiers - Field Duplicate	Completeness of Pkg Sample Condition Holding Time Surrogate Recoveries Matrix Spikes Blanks Instrument Calibration & Verification Analyte ID Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Time Initial/Continuing Calibration CRDL Standards Blanks Interference Check Sample Spike Recoveries Lab Duplicate Lab Control Sample ICP Serial Dilutions Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Times Calibration Lab Control Samples Blanks Spike Recoveries Lab Duplicates	Completeness of Pkg Sample Condition Holding Time Canister Certification Lab Control Sample Instrument Tuning Blanks Initial Calibration & System Performance Daily Calibration Field Duplicate

The laboratory may also use various letters and symbols to flag analytical results generated when QC limits were exceeded. The meanings of these flags may differ from those used by the independent data validator. Those used by the laboratory are provided with the analytical results.

NOTE: The assignment of data qualifiers by the data reviewer (validator) to laboratory analytical results should not necessarily be interpreted by the data user as a measure of laboratory ability or proficiency. Rather, the qualifiers are intended to provide a measure of data accuracy and precision to the data user, which, for example, may provide a level of confidence in determining whether or not standards or cleanup objectives have been met.

- U** The analyte was analyzed for but was not detected at or above the sample quantitation limit.
- J** The analyte was positively identified; the associated numerical value is the *approximate* concentration of the analyte in the sample. (The magnitude of any \pm value associated with the result is not determined by data validation).
- UJ** The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is *approximate* and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R** The sample result is rejected (i.e., is unusable) due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
- N** The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
- JN** The analyte is considered to be "presumptively present." The associated numerical value represents its *approximate* concentration.

The validated analytical results are attached to this report. Validation qualifiers (flags) are indicated using red ink. Data sheets having qualified data are signed and dated by the data reviewer.

6.0 RESULTS OF THE DATA REVIEW

The results of the data review are summarized in Tables 6-1 through 6-6. The tables list the samples where QC criteria were found to exceed acceptable limits and the actions taken to qualify the associated analytical results.

7.0 TOTAL USABLE DATA

For SDG 1601635, one sample was analyzed and results were reported for 191 analytes. Even though some results were flagged with a "J" as estimated, all results (100 %) are considered usable. See the summary table for the analyses that have been rejected and the associated QC reasons.

Table 6-1 **VOCs**

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
EP-25	Acetone	J detects	ICV RPD > 20 %	Sample detects are estimated
EP-25	Methylene Chloride	UJ non-detects J detects	CCV % D > 20 %	Samples are estimated

Table 6-2 **SVOCs**

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
EP-25	1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene 2-Nitrophenol 2,4-Dichlorophenol 1,2,4-Trichlorobenzene Naphthalene 4-Chloroaniline Hexachlorobutadiene 2-Methylnaphthalene 2,4,6-Trichlorophenol 4-Chlorophenylphenylether 3-Nitroaniline	"UJ"	LCS < 70 % QC limit	All samples non-detect

Table 6-3 Pesticides

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

Table 6-4 PCBs

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

Table 6-5 TAL Metals

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
EP-25	Lead Iron	J detects	Serial dilution > 10 %	Data is estimated

Table 6-6 Wet Chemistry

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

ACRONYMS

BSP	Blank Spike
CCAL	Continuing Calibration
CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification
CRDL	Contract Required Detection Limit
CRQL	Contract Required Quantitation Limit
%D	Percent Difference
ICAL	Initial Calibration
ICB	Initial Calibration Blank
IS	Internal Standard
LCS	Laboratory Control Sample
MS/MSD	Matrix Spike/Matrix Spike Duplicate
QA	Quality Assurance
QC	Quality Control
%R	Percent recovery
RPD	Relative Percent Difference
%RSD	Percent Relative Standard Deviation
TAL	Target Analyte List (metals)
TCL	Target Compound List (organics)

Appendix A

***Validated
Analytical
Results***



Accredited Analytical Resources, LLC.

ANALYTICAL REPORT

for

BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.

Manasquan, NJ 08736

Project: 255 East 138th Street

AAR Work Order: 1601635

Client Sample ID: EP-25	Lab Sample ID: 1601635-01
-----------------------------------	-------------------------------------

This data has been reviewed and accepted by:

Daniel Miguel
Technical Director

09/30/2016

New Jersey Certification Number: 12007
New York Certification Number: 11109
Pennsylvania Certification Number: 68-02799

This report shall not be reproduced, except in its entirety, without the written consent of Accredited Analytical Resources, LLC.
The test results included in this report relate only to the samples analyzed.



Case Narrative

Conformance / Non-Conformance Summary

Accredited Analytical Resources, LLC received 1 sample(s) from BRINKERHOFF ENVIRONMENTAL (Project: 255 East 138th Street) on 08/24/2016 14:05.

All analyses were performed within the required holding time.

In the Volatile Organic analyses, B6H2515-MS1/MSD1 had compounds recovered outside acceptance criteria due to matrix interference, the LCS was recovered within acceptance limits for all compounds; therefore, no further action required.

In the BNA analyses, the laboratory control sample (LCS) for Batch B6H2601 recovered outside control limits for multiple analytes. These analytes were recovered within the house limits; therefore, the data has been reported.

In the BNA analyses, the MS/MSD for Batch B6H2601 had compounds recovered outside acceptance criteria due to matrix interference, the LCS was recovered within acceptance limits for affected compounds; therefore, no further action required.

In the Pesticide analyses, the laboratory control sample (LCS) for Batch B6H2506 recovered outside control limits for multiple analytes. These analytes were recovered within the house limits; therefore, the data has been reported.

In the Metals analysis the recoveries of the MS/MSD were outside of acceptance criteria. The QC sample had concentrations too high to be able to determine a spike recovery. The LCS was within acceptance criteria for those metals out in the MS/MSD. The results are included in this data package.

Except for the parameters tested AAR makes no representation as to the fitness or quality of the sample (s) taken.

"The laboratory has reviewed the quality assurance and quality control measurements for the sample analyses."

Daniel Miguel
Technical Director



ANALYSIS DATA SHEET
EPA 8260

Client: **BRINKERHOFF ENVIRONMENTAL**
 Client Sample ID: **EP-25**
 Lab Sample ID: **1601635-01**
 Project: **255 East 138th Street**
 Work Order: **1601635**

Date Sampled:	08/24/16 10:40	Prep Date:	08/25/16 17:48	Matrix:	Soil
Percent Solids:	91.20	Prep Method:	EPA 5035A	File ID:	A9226.D
Prep Batch:	B6H2515	Sequence:	S6H2507	Analyzed:	08/25/16 17:48
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
107-02-8	Acrolein	ND	5.77	9.62	U
107-13-1	Acrylonitrile	ND	1.92	9.62	U
67-64-1	Acetone	ND	0.962	1.92	U
75-71-8	Dichlorodifluoromethane	ND	0.962	1.92	U
74-87-3	Chloromethane	ND	0.962	1.92	U
75-01-4	Vinyl chloride	ND	0.962	1.92	U
74-83-9	Bromomethane	ND	0.962	1.92	U
75-00-3	Chloroethane	ND	0.962	1.92	U
75-69-4	Trichlorofluoromethane	ND	0.962	1.92	U
75-35-4	1,1-Dichloroethene	ND	0.962	1.92	U
75-15-0	Carbon disulfide	ND	0.962	1.92	U
75-09-2	Methylene Chloride	ND <i>US</i>	0.962	1.92	U
156-60-5	trans-1,2-Dichloroethene	ND	0.962	1.92	U
75-34-3	1,1-Dichloroethane	ND	0.962	1.92	U
108-05-4	Vinyl acetate	ND	0.962	1.92	U
590-20-7	2,2-Dichloropropane	ND	0.962	1.92	U
78-93-3	2-Butanone	ND	0.962	1.92	U
156-59-4	cis-1,2-Dichloroethene	ND	0.962	1.92	U
67-66-3	Chloroform	ND	0.962	1.92	U
74-97-5	Bromochloromethane	ND	0.962	1.92	U
71-55-6	1,1,1-Trichloroethane	ND	0.962	1.92	U
563-58-6	1,1-Dichloropropene	ND	0.962	1.92	U
56-23-5	Carbon Tetrachloride	ND	0.962	1.92	U
107-06-2	1,2-Dichloroethane	ND	0.962	1.92	U
71-43-2	Benzene	ND	0.962	1.92	U



ANALYSIS DATA SHEET
EPA 8260

Client: **BRINKERHOFF ENVIRONMENTAL**
 Client Sample ID: **EP-25**
 Lab Sample ID: **1601635-01**
 Project: **255 East 138th Street**
 Work Order: **1601635**

Date Sampled:	08/24/16 10:40	Prep Date:	08/25/16 17:48	Matrix:	Soil
Percent Solids:	91.20	Prep Method:	EPA 5035A	File ID:	A9226.D
Prep Batch:	B6H2515	Sequence:	S6H2507	Analyzed:	08/25/16 17:48
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
79-01-6	Trichloroethene	ND	0.962	1.92	U
78-87-5	1,2-Dichloropropane	ND	0.962	1.92	U
75-27-4	Bromodichloromethane	ND	0.962	1.92	U
74-95-3	Dibromomethane	ND	0.962	1.92	U
110-75-8	2-Chloroethyl vinyl ether	ND	0.962	1.92	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.962	1.92	U
108-88-3	Toluene	ND	0.962	1.92	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.962	1.92	U
79-00-5	1,1,2-Trichloroethane	ND	0.962	1.92	U
108-10-1	4-Methyl-2-pentanone	ND	0.962	1.92	U
106-93-4	1,2-Dibromoethane	ND	0.962	1.92	U
591-78-6	2-Hexanone	ND	0.962	1.92	U
142-28-9	1,3-Dichloropropane	ND	0.962	1.92	U
127-18-4	Tetrachloroethene	ND	0.962	1.92	U
124-48-1	Dibromochloromethane	ND	0.962	1.92	U
100-41-4	Ethylbenzene	ND	0.962	1.92	U
108-90-7	Chlorobenzene	ND	0.962	1.92	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.962	1.92	U
108-38-3/106-42	m,p-Xylenes	ND	1.92	3.85	U
95-47-6	o-Xylene	ND	1.92	3.85	U
100-42-5	Styrene	ND	0.962	3.85	U
75-25-2	Bromoform	ND	0.962	1.92	U
98-82-8	Isopropylbenzene	ND	0.962	1.92	U
79-34-5	1,1,1,2-Tetrachloroethane	ND	0.962	1.92	U
96-18-4	1,2,3-Trichloropropane	ND	0.962	1.92	U



ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-25
Lab Sample ID: 1601635-01
Project: 255 East 138th Street
Work Order: 1601635

Date Sampled: 08/24/16 10:40	Prep Date: 08/25/16 17:48	Matrix: Soil
Percent Solids: 91.20	Prep Method: EPA 5035A	File ID: A9226.D
Prep Batch: B6H2515	Sequence: S6H2507	Analyzed: 08/25/16 17:48
Dilution: 1		Analyst: SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
103-65-1	n-Propyl Benzene	ND	0.962	1.92	U
108-86-1	Bromobenzene	ND	0.962	1.92	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.962	1.92	U
95-49-8	2-Chlorotoluene	ND	0.962	1.92	U
106-43-4	4-Chlorotoluene	ND	0.962	1.92	U
98-06-6	tert-Butylbenzene	ND	0.962	1.92	U
95-63-6	1,2,4-Trimethylbenzene	ND	0.962	1.92	U
135-98-8	sec-Butylbenzene	ND	0.962	1.92	U
99-87-6	p-Isopropyltoluene	ND	0.962	1.92	U
541-73-1	1,3-Dichlorobenzene	ND	0.962	1.92	U
106-46-7	1,4-Dichlorobenzene	ND	0.962	1.92	U
104-51-8	n-Butyl Benzene	ND	0.962	1.92	U
95-50-1	1,2-Dichlorobenzene	ND	0.962	1.92	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.962	1.92	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.962	1.92	U
87-68-3	Hexachlorobutadiene	ND	0.962	1.92	U
87-61-6	1,2,3-Trichlorobenzene	ND	0.962	1.92	U

<u>Surrogate</u>	<u>% Recovery</u>	<u>Recovery Limits</u>
1,2-Dichloroethane-d4	104%	70-130
Toluene-d8	99%	70-130
Bromofluorobenzene	86%	70-130

* Values outside of QC limits
 ND - Indicates compound analyzed for but not detected
 U - Indicates compound analyzed for but not detected
 J - Indicates estimated value for TICs and all results when detected below the RL
 B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard
 D - Indicates result is based on a dilution
 P - Greater than 25% diff. between 2 GC columns.
 MDL - Minimum detection limit
 RL - Reporting limit



ANALYSIS DATA SHEET
EPA 8270

Client: **BRINKERHOFF ENVIRONMENTAL**
 Client Sample ID: **EP-25**
 Lab Sample ID: **1601635-01**
 Project: **265 East 138th Street**
 Work Order: **1601635**

Date Sampled:	08/24/16 10:40	Prep Date:	08/26/16 05:30	Matrix:	Soil
Percent Solids:	91.20	Prep Method:	EPA 3550B GCMS	File ID:	F14108.D
Prep Batch:	B6H2601	Sequence:	S6H2609	Analyzed:	08/26/16 18:21
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
62-75-9	N-Nitrosodimethylamine	ND	36.5	183	U
108-95-2	Phenol	ND	36.5	183	U
111-44-4	bis(2-chloroethyl)ether	ND	36.5	183	U
95-57-8	2-Chlorophenol	ND	36.5	183	U
541-73-1	1,3-Dichlorobenzene	ND <i>uJ</i>	36.5	183	U
106-46-7	1,4-Dichlorobenzene	ND <i>uJ</i>	36.5	183	U
100-51-6	Benzyl alcohol	ND	36.5	183	U
95-50-1	1,2-Dichlorobenzene	ND <i>uJ</i>	36.5	183	U
95-48-7	2-Methylphenol	ND	36.5	183	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	36.5	183	U
106-44-5	3 & 4-Methylphenol	ND	36.5	183	U
621-64-7	N-Nitroso-di-n-propylamine	ND	36.5	183	U
67-72-1	Hexachloroethane	ND	36.5	183	U
98-95-3	Nitrobenzene	ND	36.5	183	U
78-59-1	Isophorone	ND	36.5	183	U
88-75-5	2-Nitrophenol	ND <i>uJ</i>	36.5	183	U
105-67-9	2,4-Dimethylphenol	ND	36.5	183	U
65-85-0	Benzoic acid	ND	91.0	365	U
111-91-1	bis(2-chloroethoxy)methane	ND	36.5	183	U
120-83-2	2,4-Dichlorophenol	ND <i>uJ</i>	36.5	183	U
120-82-1	1,2,4-Trichlorobenzene	ND <i>uJ</i>	36.5	183	U
91-20-3	Naphthalene	ND <i>uJ</i>	36.5	183	U
106-47-8	4-Chloroaniline	ND <i>uJ</i>	36.5	183	U
87-68-3	Hexachlorobutadiene	ND <i>uJ</i>	36.5	183	U
59-50-7	4-Chloro-3-methylphenol	ND	36.5	183	U



ANALYSIS DATA SHEET
EPA 8270

Client: **BRINKERHOFF ENVIRONMENTAL**
 Client Sample ID: **EP-25**
 Lab Sample ID: **1601635-01**
 Project: **255 East 138th Street**
 Work Order: **1601635**

Date Sampled:	08/24/16 10:40	Prep Date:	08/26/16 05:30	Matrix:	Soil
Percent Solids:	91.20	Prep Method:	EPA 3550B GCMS	File ID:	F14109.D
Prep Batch:	B6H2601	Sequence:	S6H2609	Analyzed:	08/26/16 18:21
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
91-57-6	2-Methylnaphthylene	ND <i>UJ</i>	36.5	183	U
77-47-4	Hexachlorocyclopentadiene	ND	36.5	183	U
88-06-2	2,4,6-Trichlorophenol	ND <i>UJ</i>	36.5	183	U
95-95-4	2,4,5-Trichlorophenol	ND	36.5	183	U
91-58-7	2-Chloronaphthalene	ND	36.5	183	U
88-74-4	2-Nitroaniline	ND	36.5	183	U
131-11-3	Dimethylphthalate	ND	36.5	183	U
208-96-8	Acenaphthylene	ND	36.5	183	U
99-09-2	3-Nitroaniline	ND <i>UJ</i>	36.5	183	U
83-32-9	Acenaphthene	ND	36.5	183	U
51-28-5	2,4-Dinitrophenol	ND	36.5	365	U
100-02-7	4-Nitrophenol	ND	36.5	183	U
132-64-9	Dibenzofuran	ND	36.5	183	U
606-20-2	2,6-Dinitrotoluene	ND	36.5	183	U
121-14-2	2,4-Dinitrotoluene	ND	36.5	183	U
84-66-2	Diethyl phthalate	ND	36.5	183	U
7005-72-3	4-Chlorophenyl-phenylether	ND <i>UJ</i>	36.5	183	U
86-73-7	Fluorene	ND	36.5	183	U
100-01-6	4-Nitroaniline	ND	36.5	183	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	36.5	183	U
86-30-6	N-Nitrosodiphenylamine	ND	36.5	183	U
101-55-3	4-Bromophenyl-phenylether	ND	36.5	183	U
118-74-1	Hexachlorobenzene	ND	36.5	183	U
87-86-5	Pentachlorophenol	ND	36.5	183	U
85-01-8	Phenanthrene	ND	36.5	183	U



ANALYSIS DATA SHEET
EPA 8270

Client: **BRINKERHOFF ENVIRONMENTAL**
 Client Sample ID: **EP-25**
 Lab Sample ID: **1601635-01**
 Project: **255 East 138th Street**
 Work Order: **1601635**

Date Sampled:	08/24/16 10:40	Prep Date:	08/26/16 05:30	Matrix:	Soil
Percent Solids:	91.20	Prep Method:	EPA 3550B GCMS	File ID:	F14109.D
Prep Batch:	B6H2601	Sequence:	S6H2609	Analyzed:	08/26/16 18:21
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
120-12-7	Anthracene	ND	36.5	183	U
84-74-2	Di-n-butyl phthalate	ND	36.5	183	U
206-44-0	Fluoranthene	ND	36.5	183	U
129-00-0	Pyrene	ND	36.5	183	U
85-68-7	Butylbenzylphthalate	ND	36.5	183	U
91-94-1	3,3'-Dichlorobenzidine	ND	91.0	183	U
56-55-3	Benzo[a]anthracene	ND	36.5	183	U
117-81-7	bis(2-ethylhexyl)phthalate	ND	36.5	183	U
218-01-9	Chrysene	ND	36.5	183	U
117-84-0	Di-n-octyl phthalate	ND	36.5	183	U
205-99-2	Benzo[b]fluoranthene	ND	36.5	183	U
207-08-9	Benzo[k]fluoranthene	ND	36.5	183	U
50-32-8	Benzo[a]pyrene	ND	36.5	183	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	36.5	183	U
53-70-3	Dibenzo(a,h)anthracene	ND	36.5	183	U
191-24-2	Benzo[ghi]perylene	ND	36.5	183	U

<u>Surrogate</u>	<u>% Recovery</u>	<u>Recovery Limits</u>
2-Fluorophenol	72%	30-130
Phenol-d5	76%	30-130
Nitrobenzene-d5	75%	30-130
2-Fluorobiphenyl	69%	30-130
2,4,6-Tribromophenol	75%	30-130
Terphenyl-d14	91%	30-130



ANALYSIS DATA SHEET

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-25
Lab Sample ID: 1601635-01
Project: 255 East 138th Street
Work Order: 1601635

Date Sampled:	08/24/16 10:40	Prep Date:	08/25/16 15:16	Matrix:	Soil
Percent Solids:	91.20	Prep Method:	EPA 3550B	File ID:	A22871.D
Prep Batch:	B6H2506	Sequence:	S6H2602	Analyzed:	08/26/16 16:00
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
319-84-6	alpha-BHC	ND	0.724	0.724	U
319-85-7	beta-BHC	ND	0.724	0.724	U
319-86-8	delta-BHC	ND	0.724	0.724	U
58-89-9	gamma-BHC [Lindane]	ND	0.724	0.724	U
76-44-8	Heptachlor	ND	0.724	0.724	U
309-00-2	Aldrin	ND	0.724	0.724	U
1024-57-3	Heptachlor Epoxide	ND	0.724	0.724	U
959-98-8	Endosulfan I	ND	0.724	0.724	U
60-57-1	Dieldrin	ND	1.46	1.46	U
72-55-9	4,4'-DDE	ND	1.46	1.46	U
72-20-8	Endrin	ND	1.46	1.46	U
33213-65-9	Endosulfan II	ND	1.46	1.46	U
72-54-8	4,4'-DDD	ND	1.46	1.46	U
1031-07-8	Endosulfan sulfate	ND	1.46	1.46	U
50-29-3	4,4'-DDT	ND	1.46	1.46	U
72-43-5	Methoxychlor	ND	2.19	7.30	U
53494-70-5	Endrin ketone	ND	1.46	1.46	U
7421-93-4	Endrin aldehyde	ND	1.46	1.46	U
5103-71-9	alpha-Chlordane	ND	0.724	0.724	U
5566-34-7	gamma-Chlordane	ND	0.724	0.724	U
8001-35-2	Toxaphene	ND	36.5	36.5	U
12674-11-2	Aroclor-1016	ND	18.2	36.5	U



ANALYSIS DATA SHEET

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-26
Lab Sample ID: 1601635-01
Project: 255 East 138th Street
Work Order: 1601635

Date Sampled:	08/24/16 10:40	Prep Date:	08/25/16 15:16	Matrix:	Soil
Percent Solids:	91.20	Prep Method:	EPA 3550B	File ID:	A22871.D
Prep Batch:	B6H2506	Sequence:	S6H2602	Analyzed:	08/26/16 16:00
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
11104-28-2	Aroclor-1221	ND	18.2	36.5	U
11141-16-5	Aroclor-1232	ND	18.2	36.5	U
53469-21-9	Aroclor-1242	ND	18.2	36.5	U
12672-29-6	Aroclor-1248	ND	18.2	36.5	U
11097-69-1	Aroclor-1254	ND	18.2	36.5	U
11096-82-5	Aroclor-1260	ND	18.2	36.5	U
37324-23-5	Aroclor-1262	ND	18.2	36.5	U
11100-14-4	Aroclor-1268	ND	18.2	36.5	U

<u>Surrogate</u>	<u>% Recovery</u>	<u>Recovery Limits</u>
Tetrachloro-m-xylene	65.9%	30-150
Tetrachloro-m-xylene [2C]	78.2%	30-150
Decachlorobiphenyl	90.7%	30-150
Decachlorobiphenyl [2C]	98.3%	30-150

* Values outside of QC limits

ND - Indicates compound analyzed for but not detected

U - Indicates compound analyzed for but not detected

J - Indicates estimated value for TICs and all results when detected below the RL

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.

MDL - Minimum detection limit

RL - Reporting limit



ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-25
Lab Sample ID: 1601635-01
Project: 255 East 138th Street
Work Order: 1601635

Date Sampled: 08/24/16 10:40	Matrix: Soil
Percent Solids: 91.20	File ID: 082616E-035

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
7429-90-5	Aluminum	5240	21.8	21.8	1		08/26/16 07:14	EPA 3050B	08/26/16 15:26 RMK	EPA 6010
7439-97-6	Mercury	ND	0.0822	0.0822	1	U	08/26/16 07:17	EPA 7471A	08/26/16 14:09 PRT	EPA 7471
7440-36-0	Antimony	ND	4.36	4.36	1	U	08/26/16 07:14	EPA 3050B	08/26/16 15:26 RMK	EPA 6010
7440-38-2	Arsenic	5.48	1.09	1.09	1		08/26/16 07:14	EPA 3050B	08/26/16 15:26 RMK	EPA 6010
7440-39-3	Barium	37.7	21.8	21.8	1		08/26/16 07:14	EPA 3050B	08/26/16 15:26 RMK	EPA 6010
7440-41-7	Beryllium	ND	0.545	0.545	1	U	08/26/16 07:14	EPA 3050B	08/26/16 15:26 RMK	EPA 6010
7440-43-9	Cadmium	ND	0.545	0.545	1	U	08/26/16 07:14	EPA 3050B	08/26/16 15:26 RMK	EPA 6010
7440-70-2	Calcium	43000	27.2	27.2	1		08/26/16 07:14	EPA 3050B	08/26/16 15:26 RMK	EPA 6010
7440-47-3	Chromium	9.20	2.18	2.18	1		08/26/16 07:14	EPA 3050B	08/26/16 15:26 RMK	EPA 6010
7440-48-4	Cobalt	ND	5.45	5.45	1	U	08/26/16 07:14	EPA 3050B	08/26/16 15:26 RMK	EPA 6010
7440-50-8	Copper	16.2	3.27	3.27	1		08/26/16 07:14	EPA 3050B	08/26/16 15:26 RMK	EPA 6010
7439-89-6	Iron	7740 J	27.2	27.2	1		08/26/16 07:14	EPA 3050B	08/26/16 15:26 RMK	EPA 6010
7439-92-1	Lead	11.6 J	1.09	1.09	1		08/26/16 07:14	EPA 3050B	08/26/16 15:26 RMK	EPA 6010
7439-95-4	Magnesium	10700	54.5	54.5	1		08/26/16 07:14	EPA 3050B	08/26/16 15:26 RMK	EPA 6010
7439-96-5	Manganese	216	2.18	2.18	1		08/26/16 07:14	EPA 3050B	08/26/16 15:26 RMK	EPA 6010
7440-02-0	Nickel	7.17	4.36	4.36	1		08/26/16 07:14	EPA 3050B	08/26/16 15:26 RMK	EPA 6010
7440-09-7	Potassium	1500	54.5	54.5	1		08/26/16 07:14	EPA 3050B	08/26/16 15:26 RMK	EPA 6010
7782-49-2	Selenium	ND	4.36	4.36	1	U	08/26/16 07:14	EPA 3050B	08/26/16 15:26 RMK	EPA 6010
7440-22-4	Silver	ND	0.545	0.545	1	U	08/26/16 07:14	EPA 3050B	08/26/16 15:26 RMK	EPA 6010
7440-23-5	Sodium	147	54.5	54.5	1		08/26/16 07:14	EPA 3050B	08/26/16 15:26 RMK	EPA 6010
7440-28-0	Thallium	ND	1.63	3.27	1	U	08/26/16 07:14	EPA 3050B	08/26/16 15:26 RMK	EPA 6010
7440-62-2	Vanadium	17.1	5.45	5.45	1		08/26/16 07:14	EPA 3050B	08/26/16 15:26 RMK	EPA 6010
7440-66-6	Zinc	31.5	6.54	6.54	1		08/26/16 07:14	EPA 3050B	08/26/16 15:26 RMK	EPA 6010

* Values outside of QC limits
 ND - Indicates compound analyzed for but not detected
 U - Indicates compound analyzed for but not detected
 J - Indicates estimated value for TICs and all results when detected below the RL
 B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard
 D - Indicates result is based on a dilution
 P - Greater than 25% diff. between 2 GC columns.
 MDL - Minimum detection limit
 RL - Reporting limit

myr10/27/14



ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-25
Lab Sample ID: 1601635-01
Project: 255 East 138th Street
Work Order: 1601635

Date Sampled: 08/24/16 10:40	Matrix: Soil
Percent Solids: 91.20	File ID:

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
16065-83-1	Trivalent Chromium	9.20	1.99	1.99	1		08/26/16 08:47	[CALC]	08/27/16 13:36 NNM	[CALC]
1854-02-99	Chromium, Hexava	ND	2.19	2.19	1	U	08/26/16 08:47	SW 846 3060A	08/27/16 13:36 NNM	EPA 7196A
NA	Cyanide (total)	ND	1.10	1.10	1	U	08/29/16 11:48	EPA 9010C	08/29/16 17:06 NNM	EPA 9014

CAS NO.	Analyte	Concentration (%)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
NA	Percent Solids	91.2	0.100	0.100	1		08/26/16 08:30	Percent Solids	08/29/16 09:23 RMK	SM 2540 G

* Values outside of QC limits

ND - Indicates compound analyzed for but not detected

U - Indicates compound analyzed for but not detected

J - Indicates estimated value for TICs and all results when detected below the RL

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.

MDL - Minimum detection limit

RL - Reporting limit

Appendix B

***Laboratory
QC
Documentation***



INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
 Work Order: 1601635
 Project: 255 East 138th Street

Calibration:	16G2901	Instrument:	GC/MS A
		Calibration Date:	7/28/2016 11:00:56AM

COMPOUND	Mean RF	RF RSD	LIMIT	Q
Acrolein	3.940028E-02	3.96743		
Acrylonitrile	9.664191E-02	10.03424		
Acetone	0.2048483	39.69748		
Dichlorodifluoromethane	0.6149421	13.26661		
Chloromethane	0.7591113	7.325997	SPCC (0.1)	
Vinyl chloride	0.7362654	8.753645	CCC (20)	
Bromomethane	0.5626239	10.75447		
Chloroethane	0.2338689	6.217668		
Trichlorofluoromethane	0.8001752	10.82604		
Freon 113	0.5444944	4.681728		
1,1-Dichloroethene	0.777461	4.210771	CCC (20)	
Carbon disulfide	1.858694	9.074759		
Methyl Acetate	0.1922845	11.73523		
Methylene Chloride	1.3004	104.2599		
trans-1,2-Dichloroethene	0.764663	8.951139		
1,1-Dichloroethane	0.8798868	5.384	SPCC (0.1)	
Vinyl acetate	0.7730708	10.04256		
2,2-Dichloropropane	0.8674895	10.00306		
2-Butanone	0.1876336	6.12607		
cis-1,2-Dichloroethene	0.7020811	9.315722		
Chloroform	0.8983923	6.321035	CCC (20)	
Bromochloromethane	0.2926808	3.87027		
Cyclohexane	0.8792215	8.624052		
1,1,1-Trichloroethane	0.8270675	5.890328		
t-Butyl alcohol	2.239046E-02	9.948907		



CONTINUING CALIBRATION VERIFICATION

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
 Work Order: 1601635
 Project: 255 East 138th Street

Instrument ID: GC/MS A	Calibration: 16G2901
Lab File ID: A9216.D	Calibration Date: 07/28/16 11:00
Sequence: S6H2507	Injection Date: 08/25/16
Lab Sample ID: S6H2507-CCV1	Injection Time: 12:00

COMPOUND	TYPE	CONC. (ug/L)		RESPONSE FACTOR			% DIFF	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acrolein	A	250	292	3.940028E-02	4.605724E-02		16.9	
Acrylonitrile	A	250	301	9.664191E-02	0.1163817		20.4	
Acetone	L	50.0	59.8	0.2048483	0.1945017		-5.1	
Dichlorodifluoromethane	A	50.0	42.5	0.6149421	0.5226777		-15.0	
Chloromethane	A	50.0	52.8	0.7591113	0.8008835	0.1	5.5	
Vinyl chloride	A	50.0	53.0	0.7362654	0.7800417		5.9	20
Bromomethane	A	50.0	50.2	0.5626239	0.5650133		0.4	
Chloroethane	A	50.0	59.2	0.2338689	0.2768479		18.4	
Trichlorofluoromethane	A	50.0	43.5	0.8001752	0.6958736		-13.0	
Freon 113	A	50.0	48.6	0.5444944	0.5288837		-2.9	
1,1-Dichloroethene	A	50.0	50.3	0.777461	0.7821468		0.6	20
Carbon disulfide	A	50.0	52.9	1.858694	1.965939		5.8	
Methyl Acetate	A	50.0	63.2	0.1922845	0.2430867		26.4	-NT
Methylene Chloride	L	50.0	62.0	1.3004	0.7927271		-39.0	
trans-1,2-Dichloroethene	A	50.0	52.7	0.764663	0.8058722		5.4	
1,1-Dichloroethane	A	50.0	52.8	0.8798868	0.9301238	0.1	5.7	
Vinyl acetate	A	50.0	56.6	0.7730708	0.8756154		13.3	
2,2-Dichloropropane	A	50.0	44.0	0.8674895	0.762611		-12.1	
2-Butanone	A	50.0	58.2	0.1876336	0.2182822		16.3	
cis-1,2-Dichloroethene	A	50.0	51.9	0.7020811	0.7289016		3.8	
Chloroform	A	50.0	48.8	0.8983923	0.8763474		-2.5	20
Bromochloromethane	A	50.0	54.4	0.2926808	0.3186664		8.9	
Cyclohexane	A	50.0	54.6	0.8792215	0.9597823		9.2	



LCS / LCS DUPLICATE RECOVERY

EPA 8270

Client: **BRINKERHOFF ENVIRONMENTAL**
 Project: **255 East 138th Street**
 Work Order: **1601635**

Matrix:	Solid	Prep Method:	EPA 3550B GCMS
Prep Batch:	B6H2601	Lab Sample ID:	B6H2601-BS1

ANALYTE	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC.	QC LIMITS REC.
Pyridine	1670	1050	63	20 - 160
N-Nitrosodimethylamine	1670	1340	81	20 - 160
Aniline	1670	1190	72	20 - 160
Phenol	1670	1330	80	20 - 160
bis(2-chloroethyl)ether	1670	1270	76	70 - 130
2-Chlorophenol	1670	1210	73	70 - 130
1,3-Dichlorobenzene	1670	1060	63 *	70 - 130
1,4-Dichlorobenzene	1670	1060	63 *	70 - 130
Benzyl alcohol	1670	1260	76	20 - 160
1,2-Dichlorobenzene	1670	1080	65 *	70 - 130
2-Methylphenol	1670	1280	77	20 - 160
bis(2-chloroisopropyl)ether	1670	1470	88	70 - 130
3 & 4-Methylphenol	1670	1300	78	20 - 160
N-Nitroso-di-n-propylamine	1670	1290	77	70 - 130
Hexachloroethane	1670	1070	64	20 - 160
Nitrobenzene	1670	1210	73	70 - 130
Isophorone	1670	1290	77	70 - 130
2-Nitrophenol	1670	1130	68 *	70 - 130
2,4-Dimethylphenol	1670	1160	70	70 - 130
bis(2-chloroethoxy)methane	1670	1260	76	70 - 130
2,4-Dichlorophenol	1670	1160	69 *	70 - 130
1,2,4-Trichlorobenzene	1670	1060	63 *	70 - 130
Naphthalene	1670	1130	68 *	70 - 130
4-Chloroaniline	1670	734	44 *	70 - 130
Hexachlorobutadiene	1670	949	57 *	70 - 130
4-Chloro-3-methylphenol	1670	1230	74	70 - 130
2-Methylnaphthylene	1670	1140	68 *	70 - 130
Hexachlorocyclopentadiene	1670	907	54	20 - 160



LCS / LCS DUPLICATE RECOVERY

EPA 8270

Client: **BRINKERHOFF ENVIRONMENTAL**
 Project: **255 East 138th Street**
 Work Order: **1601635**

Matrix:	Solid	Prep Method:	EPA 3550B GCMS
Prep Batch:	B6H2601	Lab Sample ID:	B6H2601-BS1

ANALYTE	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC.	QC LIMITS REC.
2,4,6-Trichlorophenol	1670	1130	68 *	70 - 130
2,4,5-Trichlorophenol	1670	1180	71	70 - 130
2-Chloronaphthalene	1670	1160	70	70 - 130
2-Nitroaniline	1670	1390	83	70 - 130
Dimethylphthalate	1670	1250	75	70 - 130
Acenaphthylene	1670	1200	72	70 - 130
3-Nitroaniline	1670	1110	67 *	70 - 130
Acenaphthene	1670	1220	73	70 - 130
2,4-Dinitrophenol	1670	1030	62	20 - 160
4-Nitrophenol	1670	1120	67	20 - 160
Dibenzofuran	1670	1190	71	70 - 130
2,6-Dinitrotoluene	1670	1230	74	70 - 130
2,4-Dinitrotoluene	1670	1280	77	70 - 130
2,3,4,6-Tetrachlorophenol	1670	1130	68 *	70 - 130 NT
Diethyl phthalate	1670	1220	73	70 - 130
4-Chlorophenyl-phenylether	1670	1130	68 *	70 - 130
Fluorene	1670	1200	72	70 - 130
4-Nitroaniline	1670	1360	82	70 - 130
4,6-Dinitro-2-methylphenol	1670	1180	71	70 - 130
Carbazole	1670	1290	78	70 - 130
N-Nitrosodiphenylamine	1670	1230	74	20 - 160
Azobenzene	1670	1500	90	70 - 130
4-Bromophenyl-phenylether	1670	1190	72	70 - 130
Hexachlorobenzene	1670	1170	70	70 - 130
Pentachlorophenol	1670	1150	69	20 - 160
Phenanthrene	1670	1220	73	70 - 130
Anthracene	1670	1230	74	70 - 130
Di-n-butyl phthalate	1670	1280	77	70 - 130



LCS / LCS DUPLICATE RECOVERY

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street
Work Order: 1601635

Matrix:	Solid	Prep Method:	EPA 3550B GCMS
Prep Batch:	B6H2601	Lab Sample ID:	B6H2601-BS1

ANALYTE	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC.	QC LIMITS REC.
Fluoranthene	1670	1240	75	70 - 130
Pyrene	1670	1280	77	70 - 130
Butylbenzylphthalate	1670	1280	77	70 - 130
Benzo[a]anthracene	1670	1220	73	70 - 130
bis(2-ethylhexyl)phthalate	1670	1310	79	70 - 130
Chrysene	1670	1260	75	70 - 130
Di-n-octyl phthalate	1670	1270	76	70 - 130
Benzo[b]fluoranthene	1670	1220	73	70 - 130
Benzo[k]fluoranthene	1670	1290	77	70 - 130
Benzo[a]pyrene	1670	1260	75	70 - 130
Indeno(1,2,3-cd)pyrene	1670	1240	75	70 - 130
Dibenzo(a,h)anthracene	1670	1260	76	70 - 130
Benzo[ghi]perylene	1670	1240	75	70 - 130

* Values outside of QC limits



SERIAL DILUTION

EPA 6010

Laboratory:	Accredited Analytical Resources LLC	Work Order:	1601635
Client:	BRINKERHOFF ENVIRONMENTAL	Project:	255 East 138th Street
Matrix:	Solid	Laboratory ID:	S6H2606-SRD1
Sequence:	S6H2606	Source:	ZZZZZZ

Analyte	Initial Sample Result (I)	Serial Dilution Result (S)	% Difference	Q	QC Limits % Difference
Lead	17.8	19.7	10.1	*	10.00
Antimony	ND	ND	N/A		10.00
Arsenic	1.34	ND	N/A		10.00
Barium	48.6	ND	N/A		10.00
Beryllium	ND	ND	N/A		10.00
Cadmium	ND	ND	N/A		10.00
Calcium	2940	3140	6.67		10.00
Chromium	21.7	23.0	5.50		10.00
Cobalt	6.63	ND	N/A		10.00
Aluminum	9090	9510	4.58		10.00
Iron	16200	18000	10.6	*	10.00
Zinc	41.7	45.4	8.54		10.00
Magnesium	4000	4190	4.49		10.00
Manganese	231	250	7.55		10.00
Nickel	14.4	ND	N/A		10.00
Potassium	1330	1370	3.48		10.00
Selenium	ND	ND	N/A		10.00
Silver	ND	ND	N/A		10.00
Sodium	160	ND	N/A		10.00
Thallium	ND	ND	N/A		10.00
Vanadium	33.5	34.7	3.58		10.00
Copper	19.7	21.4	8.29		10.00

* Values outside of QC limits

Appendix C

Validator Qualifications

KENNETH R. APPLIN
Geochemist/Data Validator

Ph.D., Geochemistry and Mineralogy, The Pennsylvania State University

M.S., Geochemistry and Mineralogy, The Pennsylvania State University

B.A., Geological Sciences, SUNY at Geneseo, NY

Dr. Applin has over 35 years of experience working with the geochemistry of natural waters. His prior experience includes working as an Assistant Professor of Geology at the University of Missouri-Columbia and as Chief Hydrogeologist and Geochemist with a leading engineering firm in Rochester, NY. In 1993, he established KR Applin and Associates, a small consulting business that focuses on the geochemistry of natural waters, especially as applied to problems involving the contamination of groundwater and surface water.

Dr. Applin is also an experienced analytical data validator and has provided data validation services since 1994 to a variety of clients performing brownfield cleanup projects, hazardous waste remediation, groundwater monitoring at solid waste facilities, and other projects requiring third-party data validation. Dr. Applin has several years of hands-on experience with the laboratory analysis of natural waters and has successfully completed the USEPA Region II certification courses for performing inorganic and organic analytical data validation.

MICHAEL K. PERRY
Chemist/Data Validator

B.S. Chemistry, Georgia State University, Atlanta, GA

A.A.S., Chemical Technology, Alfred State College, Alfred, NY

Mr. Perry has over 30 years of experience in the analytical laboratory business. During his early career, he spent several years as a laboratory analyst performing the analysis of soil, water, and air samples for inorganic and organic chemical parameters. During his last 20 years in the environmental laboratory business, he managed and directed two major analytical laboratories in Rochester, NY. His management responsibilities included oversight of the daily operations of the lab, staff training and supervision, the selection, purchase, and maintenance of analytical instruments, the introduction of new laboratory methods, analytical quality assurance and quality control, data acquisition and management, and other business-related activities.

Mr. Perry has an extensive working knowledge of the methods and procedures used for sampling and analyzing both inorganic and organic analytes in soil, water, and air. He is an accomplished laboratory chemist and is familiar with the analytical methods and procedures established under the USEPA Contract Laboratory Protocols (CLP), the NYSDEC Analytical Services Protocols (ASP), and the NYSDOH Environmental Laboratory Approval Program (ELAP).

DATA USABILITY SUMMARY REPORT (DUSR)

**Former G & C Services
255 East 138th Street
Bronx, NY
NYSDEC BCP # C203057**

SDG: 1601673
1 Soil Sample

Prepared for:

**Brinkerhoff Environmental Services, Inc.
1805 Atlantic Avenue
Manasquan, NJ 08736**

October 2016



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Tables

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Table 4-2	Quality Control Criteria for Validating Laboratory Analytical Data

Summaries of Validated Results

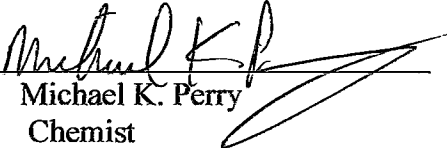
Table 6-1	VOCs
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REVIEWER'S NARRATIVE
SDG 1601673

The data associated with this Sample Delivery Group (SDG) 1601673, analyzed by Accredited Analytical Resources, LLC. Carteret, NJ have been reviewed in accordance with assessment criteria provided by the New York State Department of Environmental Conservation following the review procedures provided in the USEPA Functional Guidelines for evaluating organic and inorganic data.

All analytical results reported by the laboratory are considered valid and acceptable except results that have been qualified as rejected, "R". Results qualified as estimated "J", or as non-detects, "U", are considered usable for the purpose of evaluating water and/or soil quality. However, these qualifiers indicate that the accuracy and/or precision of the analytical result is questionable. A summary of all data that have been qualified and the reasons for qualification are provided in the following data usability summary report (DUSR).

Two facts should be noted by all data users. First, the "R" qualifier means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the analyte is present or not. Values qualified with an "R" should not appear on the final data tables because they cannot be relied upon, even as the last resort. Second, no analyte concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error.

Reviewer's Signature:  Date: 10/27/16
Michael K. Perry
Chemist

1.0 SUMMARY

SITE:	255 East 138 th Street. Bronx, NY
SAMPLING DATE:	August 31, 2016
SAMPLE TYPE:	1 soil sample
LABORATORY:	Accredited Analytical Resources, LLC. Carteret, NJ
SDG No.:	1601673

2.0 INTRODUCTION

This data usability summary report (DUSR) was prepared in accordance with guidance provided by the New York State Department of Environmental Conservation (NYSDEC). The DUSR is based on a review and evaluation of the laboratory analytical data package. Specifically, the NYSDEC guidance recommends review and evaluation of the following elements of the data package:

- Completeness of the data package as defined under the requirements of the NYSDEC Analytical Services Protocols (ASP) Category B or the United States Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) deliverables,
- Compliance with established analyte holding times,
- Adherence to quality control (QC) limits and specifications for blanks, instrument tuning and calibration, surrogate recoveries, spike recoveries, laboratory duplicate analyses, and other QC criteria,
- Adherence to established analytical protocols,
- Conformance of data summary sheets with raw analytical data, and
- Use of correct data qualifiers.

Data deficiencies, analytical protocol deviations, and quality control problems identified using the review criteria above and their effect on the analytical results are discussed in this report.

3.0 SAMPLE AND ANALYSIS SUMMARY

The data package consists of analytical results for one soil sample collected on August 31, 2016. This sample was analyzed for volatile organic compounds, semi-volatile organic compounds, pesticides, polychlorinated biphenyls (PCBs), TAL metals, hexavalent chromium, and total cyanide.

All laboratory analyses were performed by Accredited Analytical Resources, LLC., Carteret, NJ and analyzed as SDG 1601673. The analytical results were provided in NYSDEC ASP Category B format, which includes all raw analytical data and laboratory QC data.

4.0 GUIDANCE DOCUMENTS AND DATA REVIEW CRITERIA

The guidance documents used for reviewing laboratory quality control (QC) data and assigning data qualifiers (flags) to analytical results are listed in Table 4-1. The QC limits established in the documents applicable to this data review were used to assess the quality of the analytical results. In some cases, however, QC limits established internally by the laboratory were taken into account to determine data quality.

The QC criteria considered for assessing the usability of the reported analytical results provided for each analyte type (i.e. VOCs, SVOCs, metals, etc.) are listed in Table 4-2. These criteria may vary with the analytical method utilized by the laboratory. These criteria comply with the guidance recommended in Section 2.0 above.

5.0 DATA VALIDATION QUALIFIERS

The letter qualifiers (flags) used to define data usability are described briefly below. These letters are assigned by the data validator to analytical results having questionable accuracy and/or precision as determined by reviewing the laboratory QC data associated with the analytical results.

TABLE 4-1**DATA VALIDATION GUIDANCE DOCUMENTS**

Analyte Type	Validation Guidance
VOCs	USEPA, 2008, Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry; SW-846 Method 8260B; SOP # HW-24, Rev. 2. USEPA, 2008, Statement of Work for Organic Analysis of Low/Medium Concentration of Volatile Organic Compounds SOM01.2; SOP HW-33, Rev. 2.
SVOCs	USEPA, 2007, Statement of Work for Organic Analysis of Low/Medium Concentration of Semivolatile Organic Compounds SOM01.2; SOP HW-35, Rev. 1.
Pesticides/PCBs	USEPA, 2006, CLP Organics Data Review and Preliminary Review (CLP/SOW OLMO 4.3); SOP # HW-6, Rev. 14, Part C.
Metals	USEPA, 2006, Validation of Metals for the Contract Laboratory Program (CLP) based on SOW ILMO 5.3 (SOP Revision 13), SOP # HW-2, Rev. 13.
Gen Chemistry	NYSDEC, 2005, Analytical Services Protocols (ASP)
VOCs (Ambient air)	USEPA, 2006, Validating Air Samples, Volatile Organic Analysis of Ambient Air in Canister by Method TO-15; SOP # HW-31, Rev. 4.

TABLE 4-2

**QUALITY CONTROL CRITERIA USED FOR VALIDATING
LABORATORY ANALYTICAL DATA**

VOCs	SVOCs	Pesticides/PCBs	Metals	Gen Chemistry	Method TO-15
Completeness of Pkg Sample Condition Holding Time System Monitoring Compounds Lab Control Sample Matrix Spikes Blanks Instrument Tuning Internal Standards Initial Calibration Continuing Calibration Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Time Surrogate Recoveries Lab Control Sample Matrix Spikes Blanks Instrument Tuning Internal Standards Initial Calibration Continuing Calibration Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Time Surrogate Recoveries Matrix Spikes Blanks Instrument Calibration & Verification Analyte ID Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Time Initial/Continuing Calibration CRDL Standards Blanks Interference Check Sample Spikes Recoveries Lab Duplicate Lab Control Sample ICP Serial Dilutions Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Times Calibration Lab Control Samples Blanks Spike Recoveries Lab Duplicates	Completeness of Pkg Sample Condition Holding Time Canister Certification Lab Control Sample Instrument Tuning Blanks Initial Calibration & System Performance Daily Calibration Field Duplicate

The laboratory may also use various letters and symbols to flag analytical results generated when QC limits were exceeded. The meanings of these flags may differ from those used by the independent data validator. Those used by the laboratory are provided with the analytical results.

NOTE: The assignment of data qualifiers by the data reviewer (validator) to laboratory analytical results should not necessarily be interpreted by the data user as a measure of laboratory ability or proficiency. Rather, the qualifiers are intended to provide a measure of data accuracy and precision to the data user, which, for example, may provide a level of confidence in determining whether or not standards or cleanup objectives have been met.

- U** The analyte was analyzed for but was not detected at or above the sample quantitation limit.
- J** The analyte was positively identified; the associated numerical value is the *approximate* concentration of the analyte in the sample. (The magnitude of any \pm value associated with the result is not determined by data validation).
- UJ** The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is *approximate* and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R** The sample result is rejected (i.e., is unusable) due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
- N** The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
- JN** The analyte is considered to be "presumptively present." The associated numerical value represents its *approximate* concentration.

The validated analytical results are attached to this report. Validation qualifiers (flags) are indicated using red ink. Data sheets having qualified data are signed and dated by the data reviewer.

6.0 RESULTS OF THE DATA REVIEW

The results of the data review are summarized in Tables 6-1 through 6-6. The tables list the samples where QC criteria were found to exceed acceptable limits and the actions taken to qualify the associated analytical results.

7.0 TOTAL USABLE DATA

For SDG 1601673, one sample was analyzed and results were reported for 191 analytes. Even though some results were flagged with a "J" as estimated, all results (100 %) are considered usable. See the summary table for the analyses that have been rejected and the associated QC reasons.

Table 6-1 **VOCs**

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
EP-26	Acetone	J all data 10X MB value	Detected in the method blank	Data is estimated
EP-26	Acetone Methylene Chloride	J detects	ICV RPD > 20 %	Sample detects are estimated
EP-26	Acetone Methylene Chloride	UJ non-detects J detects	CCV % D > 20 %	Samples are estimated

Table 6-2 **SVOCs**

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
EP-26	Surr.: 2,4,6-Tribromophenol	none	rec < 30 % QC limit	Other phenolic surr. within QC limits

Table 6-3 **Pesticides**

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
EP-26	a-Chordane	J detects	% D > 25 %	Form X missing – hand calculated

Table 6-4 PCBs

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

Table 6-5 TAL Metals

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

Table 6-6 Wet Chemistry

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

ACRONYMS

BSP	Blank Spike
CCAL	Continuing Calibration
CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification
CRDL	Contract Required Detection Limit
CRQL	Contract Required Quantitation Limit
%D	Percent Difference
ICAL	Initial Calibration
ICB	Initial Calibration Blank
IS	Internal Standard
LCS	Laboratory Control Sample
MS/MSD	Matrix Spike/Matrix Spike Duplicate
QA	Quality Assurance
QC	Quality Control
%R	Percent recovery
RPD	Relative Percent Difference
%RSD	Percent Relative Standard Deviation
TAL	Target Analyte List (metals)
TCL	Target Compound List (organics)

Appendix A

***Validated
Analytical
Results***



Accredited Analytical Resources, LLC.

ANALYTICAL REPORT

for

BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.

Manasquan, NJ 08736

Project: 255 East 138th Street

AAR Work Order: 1601673

<u>Client Sample ID:</u> EP-26	<u>Lab Sample ID:</u> 1601673-01
-----------------------------------	-------------------------------------

This data has been reviewed and accepted by:

Daniel Miguel
Technical Director

10/04/2016

New Jersey Certification Number: 12007
New York Certification Number: 11109
Pennsylvania Certification Number: 68-02799

This report shall not be reproduced, except in its entirety, without the written consent of Accredited Analytical Resources, LLC.
The test results included in this report relate only to the samples analyzed.



Case Narrative

Conformance / Non-Conformance Summary

Accredited Analytical Resources, LLC received 1 sample(s) from BRINKERHOFF ENVIRONMENTAL (Project: 255 East 138th Street) on 08/31/2016 14:20.

All analyses were performed within the required holding time.

In the Volatile Organic analyses, B610210-MS1/MSD1 had compounds recovered outside acceptance criteria due to matrix interference, the LCS was recovered within acceptance limits for all compounds; therefore, no further action required.

In the BNA analyses, B610103-MS1/MSD1 had compounds recovered outside acceptance criteria due to matrix interference, the LCS was recovered within acceptance limits for all compounds; therefore, no further action required.

In the Pesticide analyses, B610601-MS1/MSD1 had compounds recovered outside acceptance criteria due to matrix interference, the LCS was recovered within acceptance limits for all compounds; therefore, no further action required.

In the Metals analysis the recoveries of the MS/MSD were outside of acceptance criteria. The QC sample had concentrations too high to be able to determine a spike recovery. The LCS was within acceptance criteria for those metals out in the MS/MSD. The results are included in this data package.

Except for the parameters tested AAR makes no representation as to the fitness or quality of the sample (s) taken.

"The laboratory has reviewed the quality assurance and quality control measurements for the sample analyses."

Daniel Miguel
Technical Director

Accredited Analytical Resources, LLC.
 20 PERSHING AVE, CARTERET, NJ 07008
 Tel. 732-969-6112 FAX 732-541-1383
 WEB: WWW.ACCREDITEDANALYTICAL.COM

CHAIN OF CUSTODY FORM

CLIENT NAME: Brin Keshoff Environmental
 ADDRESS: 1805 Atlantic Ave
 CITY: Morristown
 STATE: New Jersey ZIP: 08736

STATE AGENCY (CIRCLE ONE): NJ NY PA
 PROJECT NAME: 255 East 138th Street
 CONTACT: Sean Harrison
 OFFICE PHONE #: (732) 223-2225
 OFFICE FAX #: (732) 223-3666
 INITIAL RESULTS TO: Sharrison@brinkenv.com
 EMAIL FOR INVOICE: Sharrison@brinkenv.com

AAR QUOTE #: _____
 AAR WORK ORDER #: 1621673
 P.O. #: 10BR158
 ANALYSIS

COLLECTION INFORMATION						ANALYSIS												AAR SAMPLE #
CUSTOMER SAMPLE # / ID	DATE / TIME SAMPLED	MATRIX CODE	DEPTH	# OF CONTAINERS	GRAB (G) COMP (C)	/												
EP-26	8/31/16 5:56	S	104	6	G	FAL/TEL Hex Chrom TCL Chrom												-01

MATRIX CODES: S = SOIL A = AQUEOUS GW = GROUND WATER WW = WASTE WATER SW = SURFACE WATER P = POTABLE WATER O = DR. K = SOLID X = OTHER

CONTAINER TYPE CODES: G = GLASS P = PLASTIC E = ENCORE PRESERVATIVES CODES: 1 = HCL 2 = HNO₃ 3 = H₂SO₄ 4 = NaOH 5 = OTHER

TURNAROUND TIME (CIRCLE ONE): STANDARD 5 DAY 72 HRS. 48 HRS. 24 HRS. OTHER _____
 (IF BLANK STANDARD WILL APPLY)

REPORT TYPE: RESULTS ONLY _____ REDUCED _____ FULL X EDD _____ EXCEL SPREADSHEET _____

COMMENTS: NYSDEC Category B Data Deliverables. Hard copy report due four (4) weeks from today
 COOLER TEMP: 4°C

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: Jonathan Kraus SIGN: [Signature]

SIGN BELOW WHEN DELIVERING SAMPLES. EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY, CUSTODY MUST BE DOCUMENTED.

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Print Name: <u>Jonathan Kraus</u> Signature: <u>[Signature]</u> Agent of: <u>Brin Keshoff</u> Date Received: <u>8/31/16</u>	Print Name: <u>[Signature]</u> Signature: <u>[Signature]</u> Agent of: <u>AAR</u> Time: <u>14:50</u>	Print Name: _____ Signature: _____ Agent of: _____ Date Received: / /	Print Name: _____ Signature: _____ Agent of: _____ Date Received: / /

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Print Name: _____ Signature: _____ Agent of: _____ Date Received: / /	Print Name: _____ Signature: _____ Agent of: _____ Date Received: / /	Print Name: _____ Signature: _____ Agent of: _____ Date Received: / /	Print Name: _____ Signature: _____ Agent of: _____ Date Received: / /



ANALYSIS DATA SHEET
EPA 8260

Client: **BRINKERHOFF ENVIRONMENTAL**
 Client Sample ID: **EP-26**
 Lab Sample ID: **1601673-01**
 Project: **255 East 138th Street**
 Work Order: **1601673**

Date Sampled:	08/31/16 08:56	Prep Date:	09/02/16 14:48	Matrix:	Soil
Percent Solids:	87.20	Prep Method:	EPA 5035A	File ID:	A9343.D
Prep Batch:	B6I0210	Sequence:	S6I0210	Analyzed:	09/02/16 14:48
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
107-02-8	Acrolein	ND	6.80	11.3	U
107-13-1	Acrylonitrile	ND	2.27	11.3	U
67-64-1	Acetone	4.37 J	1.13	2.27	B
75-71-8	Dichlorodifluoromethane	ND	1.13	2.27	U
74-87-3	Chloromethane	ND	1.13	2.27	U
75-01-4	Vinyl chloride	ND	1.13	2.27	U
74-83-9	Bromomethane	ND	1.13	2.27	U
75-00-3	Chloroethane	ND	1.13	2.27	U
75-69-4	Trichlorofluoromethane	ND	1.13	2.27	U
75-35-4	1,1-Dichloroethene	ND	1.13	2.27	U
75-15-0	Carbon disulfide	ND	1.13	2.27	U
75-09-2	Methylene Chloride	ND	1.13	2.27	U
156-60-5	trans-1,2-Dichloroethene	ND	1.13	2.27	U
75-34-3	1,1-Dichloroethane	ND	1.13	2.27	U
108-05-4	Vinyl acetate	ND	1.13	2.27	U
590-20-7	2,2-Dichloropropane	ND	1.13	2.27	U
78-93-3	2-Butanone	ND	1.13	2.27	U
156-59-4	cis-1,2-Dichloroethene	ND	1.13	2.27	U
67-66-3	Chloroform	ND	1.13	2.27	U
74-97-5	Bromochloromethane	ND	1.13	2.27	U
71-55-6	1,1,1-Trichloroethane	ND	1.13	2.27	U
563-58-6	1,1-Dichloropropene	ND	1.13	2.27	U
56-23-5	Carbon Tetrachloride	ND	1.13	2.27	U
107-06-2	1,2-Dichloroethane	ND	1.13	2.27	U
71-43-2	Benzene	ND	1.13	2.27	U

MVP 10/27/16



ANALYSIS DATA SHEET
EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-26
Lab Sample ID: 1691673-01
Project: 255 East 138th Street
Work Order: 1691673

Date Sampled:	08/31/16 08:56	Prep Date:	09/02/16 14:48	Matrix:	Soil
Percent Solids:	87.20	Prep Method:	EPA 5035A	File ID:	A9343.D
Prep Batch:	B6I0210	Sequence:	S6I0210	Analyzed:	09/02/16 14:48
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
79-01-6	Trichloroethene	ND	1.13	2.27	U
78-87-5	1,2-Dichloropropane	ND	1.13	2.27	U
75-27-4	Bromodichloromethane	ND	1.13	2.27	U
74-95-3	Dibromomethane	ND	1.13	2.27	U
110-75-8	2-Chloroethyl vinyl ether	ND	1.13	2.27	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.13	2.27	U
108-88-3	Toluene	ND	1.13	2.27	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.13	2.27	U
79-00-5	1,1,2-Trichloroethane	ND	1.13	2.27	U
108-10-1	4-Methyl-2-pentanone	ND	1.13	2.27	U
106-93-4	1,2-Dibromoethane	ND	1.13	2.27	U
591-78-6	2-Hexanone	ND	1.13	2.27	U
142-28-9	1,3-Dichloropropane	ND	1.13	2.27	U
127-18-4	Tetrachloroethene	ND	1.13	2.27	U
124-48-1	Dibromochloromethane	ND	1.13	2.27	U
100-41-4	Ethylbenzene	ND	1.13	2.27	U
108-90-7	Chlorobenzene	ND	1.13	2.27	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.13	2.27	U
108-38-3/106-42	m,p-Xylenes	ND	2.27	4.53	U
95-47-6	o-Xylene	ND	2.27	4.53	U
100-42-5	Styrene	ND	1.13	4.53	U
75-25-2	Bromoform	ND	1.13	2.27	U
98-82-8	Isopropylbenzene	ND	1.13	2.27	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.13	2.27	U
96-18-4	1,2,3-Trichloropropane	ND	1.13	2.27	U



ANALYSIS DATA SHEET
EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-26
Lab Sample ID: 1601673-01
Project: 255 East 138th Street
Work Order: 1601673

Date Sampled:	08/31/16 08:56	Prep Date:	09/02/16 14:48	Matrix:	Soil
Percent Solids:	87.20	Prep Method:	EPA 5035A	File ID:	A9343.D
Prep Batch:	B610210	Sequence:	S610210	Analyzed:	09/02/16 14:48
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
103-65-1	n-Propyl Benzene	ND	1.13	2.27	U
108-86-1	Bromobenzene	ND	1.13	2.27	U
108-67-8	1,3,5-Trimethylbenzene	ND	1.13	2.27	U
95-49-8	2-Chlorotoluene	ND	1.13	2.27	U
106-43-4	4-Chlorotoluene	ND	1.13	2.27	U
98-06-6	tert-Butylbenzene	ND	1.13	2.27	U
95-63-6	1,2,4-Trimethylbenzene	ND	1.13	2.27	U
135-98-8	sec-Butylbenzene	ND	1.13	2.27	U
99-87-6	p-Isopropyltoluene	ND	1.13	2.27	U
541-73-1	1,3-Dichlorobenzene	ND	1.13	2.27	U
106-46-7	1,4-Dichlorobenzene	ND	1.13	2.27	U
104-51-8	n-Butyl Benzene	ND	1.13	2.27	U
95-50-1	1,2-Dichlorobenzene	ND	1.13	2.27	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.13	2.27	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.13	2.27	U
87-68-3	Hexachlorobutadiene	ND	1.13	2.27	U
87-61-6	1,2,3-Trichlorobenzene	ND	1.13	2.27	U

Surrogate	% Recovery	Recovery Limits
1,2-Dichloroethane-d4	111%	70-130
Toluene-d8	98%	70-130
Bromofluorobenzene	86%	70-130

* Values outside of QC limits
 ND - Indicates compound analyzed for but not detected
 U - Indicates compound analyzed for but not detected
 J - Indicates estimated value for TICs and all results when detected below the RL
 B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard
 D - Indicates result is based on a dilution
 P - Greater than 25% diff. between 2 GC columns.
 MDL - Minimum detection limit
 RL - Reporting limit



ANALYSIS DATA SHEET
EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
 Client Sample ID: EP-26
 Lab Sample ID: 1601673-01
 Project: 255 East 138th Street
 Work Order: 1601673

Date Sampled:	08/31/16 08:56	Prep Date:	09/01/16 07:24	Matrix:	Soil
Percent Solids:	87.20	Prep Method:	EPA 3550B GCMS	File ID:	F14143.D
Prep Batch:	B610103	Sequence:	S610112	Analyzed:	09/01/16 21:54
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
62-75-9	N-Nitrosodimethylamine	ND	38.2	192	U
108-95-2	Phenol	ND	38.2	192	U
111-44-4	bis(2-chloroethyl)ether	ND	38.2	192	U
95-57-8	2-Chlorophenol	ND	38.2	192	U
541-73-1	1,3-Dichlorobenzene	ND	38.2	192	U
106-46-7	1,4-Dichlorobenzene	ND	38.2	192	U
100-51-6	Benzyl alcohol	ND	38.2	192	U
95-50-1	1,2-Dichlorobenzene	ND	38.2	192	U
95-48-7	2-Methylphenol	ND	38.2	192	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	38.2	192	U
106-44-5	3 & 4-Methylphenol	ND	38.2	192	U
621-64-7	N-Nitroso-di-n-propylamine	ND	38.2	192	U
67-72-1	Hexachloroethane	ND	38.2	192	U
98-95-3	Nitrobenzene	ND	38.2	192	U
78-59-1	Isophorone	ND	38.2	192	U
88-75-5	2-Nitrophenol	ND	38.2	192	U
105-67-9	2,4-Dimethylphenol	ND	38.2	192	U
65-85-0	Benzoic acid	ND	95.2	382	U
111-91-1	bis(2-chloroethoxy)methane	ND	38.2	192	U
120-83-2	2,4-Dichlorophenol	ND	38.2	192	U
120-82-1	1,2,4-Trichlorobenzene	ND	38.2	192	U
91-20-3	Naphthalene	ND	38.2	192	U
106-47-8	4-Chloroaniline	ND	38.2	192	U
87-68-3	Hexachlorobutadiene	ND	38.2	192	U
59-50-7	4-Chloro-3-methylphenol	ND	38.2	192	U



ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-26
Lab Sample ID: 1601673-01
Project: 255 East 138th Street
Work Order: 1601673

Date Sampled:	08/31/16 08:56	Prep Date:	09/01/16 07:24	Matrix:	Soil
Percent Solids:	87.20	Prep Method:	EPA 3550B GCMS	File ID:	F14143.D
Prep Batch:	B610103	Sequence:	S610112	Analyzed:	09/01/16 21:54
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
91-57-6	2-Methylnaphthylene	ND	38.2	192	U
77-47-4	Hexachlorocyclopentadiene	ND	38.2	192	U
88-06-2	2,4,6-Trichlorophenol	ND	38.2	192	U
95-95-4	2,4,5-Trichlorophenol	ND	38.2	192	U
91-58-7	2-Chloronaphthalene	ND	38.2	192	U
88-74-4	2-Nitroaniline	ND	38.2	192	U
131-11-3	Dimethylphthalate	ND	38.2	192	U
208-96-8	Acenaphthylene	ND	38.2	192	U
99-09-2	3-Nitroaniline	ND	38.2	192	U
83-32-9	Acenaphthene	ND	38.2	192	U
51-28-5	2,4-Dinitrophenol	ND	38.2	382	U
100-02-7	4-Nitrophenol	ND	38.2	192	U
132-64-9	Dibenzofuran	ND	38.2	192	U
606-20-2	2,6-Dinitrotoluene	ND	38.2	192	U
121-14-2	2,4-Dinitrotoluene	ND	38.2	192	U
84-66-2	Diethyl phthalate	ND	38.2	192	U
7005-72-3	4-Chlorophenyl-phenylether	ND	38.2	192	U
86-73-7	Fluorene	ND	38.2	192	U
100-01-6	4-Nitroaniline	ND	38.2	192	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	38.2	192	U
86-30-6	N-Nitrosodiphenylamine	ND	38.2	192	U
101-55-3	4-Bromophenyl-phenylether	ND	38.2	192	U
118-74-1	Hexachlorobenzene	ND	38.2	192	U
87-86-5	Pentachlorophenol	ND	38.2	192	U
85-01-8	Phenanthrene	361	38.2	192	



ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-26
Lab Sample ID: 1601673-01
Project: 255 East 138th Street
Work Order: 1601673

Date Sampled: 08/31/16 08:56	Prep Date: 09/01/16 07:24	Matrix: Soil
Percent Solids: 87.20	Prep Method: EPA 3550B GCMS	File ID: F14143.D
Prep Batch: B6I0103	Sequence: S6I0112	Analyzed: 09/01/16 21:54
Dilution: 1		Analyst: JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
120-12-7	Anthracene	80.7	38.2	192	J
84-74-2	Di-n-butyl phthalate	ND	38.2	192	U
206-44-0	Fluoranthene	509	38.2	192	
129-00-0	Pyrene	565	38.2	192	
85-58-7	Butylbenzylphthalate	ND	38.2	192	U
91-94-1	3,3'-Dichlorobenzidine	ND	95.2	192	U
56-55-3	Benzo[a]anthracene	254	38.2	192	
117-81-7	bis(2-ethylhexyl)phthalate	ND	38.2	192	U
218-01-9	Chrysene	265	38.2	192	
117-84-0	Di-n-octyl phthalate	ND	38.2	192	U
205-99-2	Benzo[b]fluoranthene	269	38.2	192	
207-08-9	Benzo[k]fluoranthene	133	38.2	192	J
50-32-8	Benzo[a]pyrene	237	38.2	192	
193-39-5	Indeno(1,2,3-cd)pyrene	86.8	38.2	192	J
53-70-3	Dibenzo(a,h)anthracene	ND	38.2	192	U
191-24-2	Benzo[ghi]perylene	95.6	38.2	192	J

<u>Surrogate</u>	<u>% Recovery</u>	<u>Recovery Limits</u>
2-Fluorophenol	61%	30-130
Phenol-d5	74%	30-130
Nitrobenzene-d5	80%	30-130
2-Fluorobiphenyl	74%	30-130
2,4,6-Tribromophenol	26%	30-130
Terphenyl-d14	88%	30-130

27K-D 10/27/16



ANALYSIS DATA SHEET

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-26
Lab Sample ID: 1601673-01
Project: 255 East 138th Street
Work Order: 1601673

Date Sampled:	08/31/16 08:56	Prep Date:	09/06/16 05:29	Matrix:	Soil
Percent Solids:	87.20	Prep Method:	EPA 3550B	File ID:	A22985.D
Prep Batch:	B610601	Sequence:	S610602	Analyzed:	09/06/16 15:02
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
319-84-6	alpha-BHC	ND	0.757	0.757	U
319-85-7	beta-BHC	ND	0.757	0.757	U
319-86-8	delta-BHC	ND	0.757	0.757	U
58-89-9	gamma-BHC [Lindane]	ND	0.757	0.757	U
76-44-8	Heptachlor	ND	0.757	0.757	U
309-00-2	Aldrin	ND	0.757	0.757	U
1024-57-3	Heptachlor Epoxide	ND	0.757	0.757	U
959-98-8	Endosulfan I	ND	0.757	0.757	U
60-57-1	Dieldrin	ND	1.53	1.53	U
72-55-9	4,4'-DDE	ND	1.53	1.53	U
72-20-8	Endrin	ND	1.53	1.53	U
33213-65-9	Endosulfan II	ND	1.53	1.53	U
72-54-8	4,4'-DDD	ND	1.53	1.53	U
1031-07-8	Endosulfan sulfate	ND	1.53	1.53	U
50-29-3	4,4'-DDT	ND	1.53	1.53	U
72-43-5	Methoxychlor	ND	2.29	7.64	U
53494-70-5	Endrin ketone	ND	1.53	1.53	U
7421-93-4	Endrin aldehyde	ND	1.53	1.53	U
5103-71-9	alpha-Chlordane [2C]	0.917 J	0.757	0.757	
5566-34-7	gamma-Chlordane	ND	0.757	0.757	U
8001-35-2	Toxaphene	ND	38.2	38.2	U
12674-11-2	Aroclor-1016	ND	19.0	38.2	U

mp 10/27/16



ANALYSIS DATA SHEET

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-26
Lab Sample ID: 1601673-01
Project: 255 East 138th Street
Work Order: 1601673

Date Sampled:	08/31/16 08:56	Prep Date:	09/06/16 05:29	Matrix:	Soil
Percent Solids:	87.20	Prep Method:	EPA 3550B	File ID:	A22985.D
Prep Batch:	B610601	Sequence:	S610602	Analyzed:	09/06/16 15:02
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
11104-28-2	Aroclor-1221	ND	19.0	38.2	U
11141-16-5	Aroclor-1232	ND	19.0	38.2	U
53469-21-9	Aroclor-1242	ND	19.0	38.2	U
12672-29-6	Aroclor-1248	ND	19.0	38.2	U
11097-69-1	Aroclor-1254	ND	19.0	38.2	U
11096-82-5	Aroclor-1260	ND	19.0	38.2	U
37324-23-5	Aroclor-1262	ND	19.0	38.2	U
11100-14-4	Aroclor-1268	ND	19.0	38.2	U

<u>Surrogate</u>	<u>% Recovery</u>	<u>Recovery Limits</u>
Tetrachloro-m-xylene	55.5%	30-150
Tetrachloro-m-xylene [2C]	61.9%	30-150
Decachlorobiphenyl	63.7%	30-150
Decachlorobiphenyl [2C]	83.8%	30-150

* Values outside of QC limits
 ND - Indicates compound analyzed for but not detected
 U - Indicates compound analyzed for but not detected
 J - Indicates estimated value for TICs and all results when detected below the RL
 B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard
 D - Indicates result is based on a dilution
 P - Greater than 25% diff. between 2 GC columns.
 MDL - Minimum detection limit
 RL - Reporting limit



ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-26
Lab Sample ID: 1601673-01
Project: 255 East 138th Street
Work Order: 1601673

Date Sampled: 08/31/16 08:56	Matrix: Soil
Percent Solids: 87.20	File ID: 090616C-018

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
7429-90-5	Aluminum	8250	22.9	22.9	1		09/02/16 12:56	EPA 3050B	09/06/16 15:22 LIT	EPA 6010
7439-97-6	Mercury	ND	0.0860	0.0860	1	U	09/01/16 12:18	EPA 7471A	09/02/16 10:44 PRT	EPA 7471
7440-36-0	Antimony	ND	4.59	4.59	1	U	09/02/16 12:56	EPA 3050B	09/06/16 15:22 LIT	EPA 6010
7440-38-2	Arsenic	2.62	1.15	1.15	1		09/02/16 12:56	EPA 3050B	09/06/16 15:22 LIT	EPA 6010
7440-39-3	Barium	57.5	22.9	22.9	1		09/02/16 12:56	EPA 3050B	09/06/16 15:22 LIT	EPA 6010
7440-41-7	Beryllium	ND	0.573	0.573	1	U	09/02/16 12:56	EPA 3050B	09/06/16 15:22 LIT	EPA 6010
7440-43-9	Cadmium	ND	0.573	0.573	1	U	09/02/16 12:56	EPA 3050B	09/06/16 15:22 LIT	EPA 6010
7440-70-2	Calcium	16300	28.7	28.7	1		09/02/16 12:56	EPA 3050B	09/06/16 15:22 LIT	EPA 6010
7440-47-3	Chromium	15.8	2.29	2.29	1		09/02/16 12:56	EPA 3050B	09/06/16 15:22 LIT	EPA 6010
7440-48-4	Cobalt	7.86	5.73	5.73	1		09/02/16 12:56	EPA 3050B	09/06/16 15:22 LIT	EPA 6010
7440-50-8	Copper	32.7	3.44	3.44	1		09/02/16 12:56	EPA 3050B	09/06/16 15:22 LIT	EPA 6010
7439-89-8	Iron	16800	28.7	28.7	1		09/02/16 12:56	EPA 3050B	09/06/16 15:22 LIT	EPA 6010
7439-92-1	Lead	62.8	1.15	1.15	1		09/02/16 12:56	EPA 3050B	09/06/16 15:22 LIT	EPA 6010
7439-95-4	Magnesium	7840	57.3	57.3	1		09/02/16 12:56	EPA 3050B	09/06/16 15:22 LIT	EPA 6010
7439-96-5	Manganese	295	2.29	2.29	1		09/02/16 12:56	EPA 3050B	09/06/16 15:22 LIT	EPA 6010
7440-02-0	Nickel	13.7	4.59	4.59	1		09/02/16 12:56	EPA 3050B	09/06/16 15:22 LIT	EPA 6010
7440-09-7	Potassium	1560	57.3	57.3	1		09/02/16 12:56	EPA 3050B	09/06/16 15:22 LIT	EPA 6010
7782-49-2	Selenium	ND	4.59	4.59	1	U	09/02/16 12:56	EPA 3050B	09/06/16 15:22 LIT	EPA 6010
7440-22-4	Silver	ND	0.573	0.573	1	U	09/02/16 12:56	EPA 3050B	09/06/16 15:22 LIT	EPA 6010
7440-23-5	Sodium	228	57.3	57.3	1		09/02/16 12:56	EPA 3050B	09/06/16 15:22 LIT	EPA 6010
7440-28-0	Thallium	ND	1.72	3.44	1	U	09/02/16 12:56	EPA 3050B	09/06/16 15:22 LIT	EPA 6010
7440-62-2	Vanadium	23.3	5.73	5.73	1		09/02/16 12:56	EPA 3050B	09/06/16 15:22 LIT	EPA 6010
7440-66-6	Zinc	71.8	6.88	6.88	1		09/02/16 12:56	EPA 3050B	09/06/16 15:22 LIT	EPA 6010

* Values outside of QC limits

ND - Indicates compound analyzed for but not detected

U - Indicates compound analyzed for but not detected

J - Indicates estimated value for TICs and all results when detected below the RL

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.

MDL - Minimum detection limit

RL - Reporting limit



ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-26
Lab Sample ID: 1601673-01
Project: 255 East 138th Street
Work Order: 1601673

Date Sampled: 08/31/16 08:56	Matrix: Soil
Percent Solids: 87.20	File ID:

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
16065-83-1	Trivalent Chromium	15.8	2.00	2.00	1		09/06/16 12:10	[CALC]	09/07/16 14:37 NNM	[CALC]
1854-02-99	Chromium, Hexava	ND	2.29	2.29	1	U	09/06/16 12:10	SW 846 3060A	09/07/16 14:37 NNM	EPA 7196A
NA	Cyanide (total)	ND	1.15	1.15	1	U	08/31/16 15:24	EPA 9010C	09/07/16 10:28 NNM	EPA 9014

CAS NO.	Analyte	Concentration (%)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
NA	Percent Solids	87.2	0.100	0.100	1		08/01/16 13:50	Percent Solids	09/02/16 10:53 KMC	SM 2540 G

* Values outside of QC limits

ND - Indicates compound analyzed for but not detected

U - Indicates compound analyzed for but not detected

J - Indicates estimated value for TICs and all results when detected below the RL

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.

MDL - Minimum detection limit

RL - Reporting limit

Appendix B

***Laboratory
QC
Documentation***



CONTINUING CALIBRATION VERIFICATION

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
 Work Order: 1601673
 Project: 255 East 138th Street

Instrument ID: GC/MS A
 Lab File ID: A9334.D
 Sequence: S610210
 Lab Sample ID: S610210-CCV1

Calibration: 16H2903
 Calibration Date: 08/29/16 19:56
 Injection Date: 09/02/16
 Injection Time: 09:45

COMPOUND	TYPE	CONC. (ug/L)		RESPONSE FACTOR			% DIFF	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acrolein	A	250	215	5.094183E-02	4.378305E-02		-14.1	
Acrylonitrile	A	250	232	0.1167273	0.1081347		-7.4	
Acetone	L	50.0	50.0	0.1747694	0.1328501		-24.0	
Dichlorodifluoromethane	A	50.0	59.1	0.3620657	0.4282228		18.3	
Chloromethane	A	50.0	55.0	0.6446193	0.7091769	0.1	10.0	
Vinyl chloride	A	50.0	55.4	0.6338856	0.70297		10.9	20
Bromomethane	A	50.0	52.8	0.4973511	0.524804		5.5	
Chloroethane	A	50.0	52.4	0.2364184	0.2479082		4.9	
Trichlorofluoromethane	A	50.0	51.3	0.6040865	0.6195149		2.6	
Freon 113	A	50.0	45.7	0.5460094	0.4986015		-8.7	
1,1-Dichloroethene	A	50.0	45.4	0.8821578	0.8017064		-9.1	20
Carbon disulfide	A	50.0	42.6	2.237789	1.908621		-14.7	
Methyl Acetate	A	50.0	41.0	0.2835279	0.2324766		-18.0	
Methylene Chloride	L	50.0	43.1	1.877848	0.8573305		-54.3	
trans-1,2-Dichloroethene	A	50.0	47.2	0.8991449	0.8479411		-5.7	
1,1-Dichloroethane	A	50.0	48.8	1.058622	1.033164	0.1	-2.4	
Vinyl acetate	A	50.0	47.6	0.9809122	0.9330979		-4.9	
2,2-Dichloropropane	A	50.0	50.4	0.8359179	0.8433836		0.9	
2-Butanone	A	50.0	48.9	0.1839178	0.1799396		-2.2	
cis-1,2-Dichloroethene	A	50.0	49.3	0.8114303	0.799393		-1.5	
Chloroform	A	50.0	47.6	1.02525	0.9759109		-4.8	20
Bromochloromethane	A	50.0	48.2	0.3642218	0.3513432		-3.5	
Cyclohexane	A	50.0	46.9	0.9915085	0.9296174		-6.2	



INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
 Work Order: 1601673
 Project: 255 East 138th Street

Calibration: 16H2903	Instrument: GC/MS A
	Calibration Date: 8/29/2016 7:56:55PM

COMPOUND	Mean RF	RF RSD	LIMIT	Q
Acrolein	5.094183E-02	5.902873		
Acrylonitrile	0.1167273	3.778378		
Acetone	0.1747694	41.54276		
Dichlorodifluoromethane	0.3620657	13.06906		
Chloromethane	0.6446193	7.262679	SPCC (0.1)	
Vinyl chloride	0.6338856	7.791452	CCC (20)	
Bromomethane	0.4973511	6.110204		
Chloroethane	0.2364184	7.428701		
Trichlorofluoromethane	0.6040865	8.703495		
Freon 113	0.5460094	4.513852		
1,1-Dichloroethene	0.8821578	4.055756	CCC (20)	
Carbon disulfide	2.237789	5.996131		
Methyl Acetate	0.2835279	13.47158		
Methylene Chloride	1.877848	96.62287		
trans-1,2-Dichloroethene	0.8991449	6.440984		
1,1-Dichloroethane	1.058622	6.387356	SPCC (0.1)	
Vinyl acetate	0.9809122	4.721133		
2,2-Dichloropropane	0.8359179	3.248966		
2-Butanone	0.1839178	13.22088		
cis-1,2-Dichloroethene	0.8114303	6.048788		
Chloroform	1.02525	3.40079	CCC (20)	
Bromochloromethane	0.3642218	7.373368		
Cyclohexane	0.9915085	4.912063		
1,1,1-Trichloroethane	0.8164359	3.315326		
t-Butyl alcohol	2.729559E-02	4.03008		



ANALYSIS DATA SHEET

Blank

Client: **BRINKERHOFF ENVIRONMENTAL**
 Work Order: **1601673**
 Project: **255 East 138th Street**

Matrix:	Solid	Laboratory ID:	B610210-BLK1	File ID:	A9336.D
Batch:	B610210	Prepared:	09/02/16 10:55	Analyzed:	09/02/16 10:55
Column:	1	Preparation:	EPA 5035A	Dilution:	
		Sequence:	S610210	Instrument:	GC/MS A

CAS NO.	COMPOUND	CONC. (ug/kg wet)	MDL	RL	Q
107-02-8	Acrolein	ND	6.00	10.0	U
107-13-1	Acrylonitrile	ND	2.00	10.0	U
67-64-1	Acetone	2.26	1.00	2.00	
75-71-8	Dichlorodifluoromethane	ND	1.00	2.00	U
74-87-3	Chloromethane	ND	1.00	2.00	U
75-01-4	Vinyl chloride	ND	1.00	2.00	U
74-83-9	Bromomethane	ND	1.00	2.00	U
75-00-3	Chloroethane	ND	1.00	2.00	U
75-69-4	Trichlorofluoromethane	ND	1.00	2.00	U
75-35-4	1,1-Dichloroethene	ND	1.00	2.00	U
75-15-0	Carbon disulfide	ND	1.00	2.00	U
75-09-2	Methylene Chloride	ND	1.00	2.00	U
156-60-5	trans-1,2-Dichloroethene	ND	1.00	2.00	U
75-34-3	1,1-Dichloroethane	ND	1.00	2.00	U
108-05-4	Vinyl acetate	ND	1.00	2.00	U
590-20-7	2,2-Dichloropropane	ND	1.00	2.00	U
78-93-3	2-Butanone	ND	1.00	2.00	U
156-59-4	cis-1,2-Dichloroethene	ND	1.00	2.00	U
67-66-3	Chloroform	ND	1.00	2.00	U
74-97-5	Bromochloromethane	ND	1.00	2.00	U
71-55-6	1,1,1-Trichloroethane	ND	1.00	2.00	U
563-58-6	1,1-Dichloropropene	ND	1.00	2.00	U
56-23-5	Carbon Tetrachloride	ND	1.00	2.00	U
107-06-2	1,2-Dichloroethane	ND	1.00	2.00	U



SYSTEM MONITORING COMPOUND SUMMARY

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street
Work Order: 1601673

Matrix: Solid
Instrument: GC/MS F

Lab Sample ID:	ZFP (30% - 130%)	FBP (30% - 130%)	MBZ (30% - 130%)	PHL (30% - 130%)	TBP (30% - 130%)	TPH (30% - 130%)
1601673-01	61	74	80	74	26*	88
B610103-BLK1	88	81	91	87	82	104
B610103-BS1	103	86	98	103	90	94
B610103-MS1	77	78	82	80	89	101
B610103-MSD1	77	73	78	77	86	97

Appendix C

Validator Qualifications

KENNETH R. APPLIN
Geochemist/Data Validator

Ph.D., Geochemistry and Mineralogy, The Pennsylvania State University

M.S., Geochemistry and Mineralogy, The Pennsylvania State University

B.A., Geological Sciences, SUNY at Geneseo, NY

Dr. Applin has over 35 years of experience working with the geochemistry of natural waters. His prior experience includes working as an Assistant Professor of Geology at the University of Missouri-Columbia and as Chief Hydrogeologist and Geochemist with a leading engineering firm in Rochester, NY. In 1993, he established KR Applin and Associates, a small consulting business that focuses on the geochemistry of natural waters, especially as applied to problems involving the contamination of groundwater and surface water.

Dr. Applin is also an experienced analytical data validator and has provided data validation services since 1994 to a variety of clients performing brownfield cleanup projects, hazardous waste remediation, groundwater monitoring at solid waste facilities, and other projects requiring third-party data validation. Dr. Applin has several years of hands-on experience with the laboratory analysis of natural waters and has successfully completed the USEPA Region II certification courses for performing inorganic and organic analytical data validation.

MICHAEL K. PERRY

Chemist/Data Validator

B.S. Chemistry, Georgia State University, Atlanta, GA

A.A.S., Chemical Technology, Alfred State College, Alfred, NY

Mr. Perry has over 30 years of experience in the analytical laboratory business. During his early career, he spent several years as a laboratory analyst performing the analysis of soil, water, and air samples for inorganic and organic chemical parameters. During his last 20 years in the environmental laboratory business, he managed and directed two major analytical laboratories in Rochester, NY. His management responsibilities included oversight of the daily operations of the lab, staff training and supervision, the selection, purchase, and maintenance of analytical instruments, the introduction of new laboratory methods, analytical quality assurance and quality control, data acquisition and management, and other business-related activities.

Mr. Perry has an extensive working knowledge of the methods and procedures used for sampling and analyzing both inorganic and organic analytes in soil, water, and air. He is an accomplished laboratory chemist and is familiar with the analytical methods and procedures established under the USEPA Contract Laboratory Protocols (CLP), the NYSDEC Analytical Services Protocols (ASP), and the NYSDOH Environmental Laboratory Approval Program (ELAP).

DATA USABILITY SUMMARY REPORT (DUSR)

**Former G & C Services
255 East 138th Street
Bronx, NY
NYSDEC BCP # C203057**

SDG: 1601701
1 Soil Sample

Prepared for:

**Brinkerhoff Environmental Services, Inc.
1805 Atlantic Avenue
Manasquan, NJ 08736**

October 2016



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APPENDIX A	Validated Analytical Results
APPENDIX B	Laboratory QC Documentation
APPENDIX C	Validator Qualifications

Tables

Table 4-1	Data Validation Guidance Documents
Table 4-2	Quality Control Criteria for Validating Laboratory Analytical Data

Summaries of Validated Results


Table 6-1	VOCs
Table 6-2	SVOCs
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REVIEWER'S NARRATIVE
SDG 1601701

The data associated with this Sample Delivery Group (SDG) 1601701, analyzed by Accredited Analytical Resources, LLC. Carteret, NJ have been reviewed in accordance with assessment criteria provided by the New York State Department of Environmental Conservation following the review procedures provided in the USEPA Functional Guidelines for evaluating organic and inorganic data.

All analytical results reported by the laboratory are considered valid and acceptable except results that have been qualified as rejected, "R". Results qualified as estimated "J", or as non-detects, "U", are considered usable for the purpose of evaluating water and/or soil quality. However, these qualifiers indicate that the accuracy and/or precision of the analytical result is questionable. A summary of all data that have been qualified and the reasons for qualification are provided in the following data usability summary report (DUSR).

Two facts should be noted by all data users. First, the "R" qualifier means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the analyte is present or not. Values qualified with an "R" should not appear on the final data tables because they cannot be relied upon, even as the last resort. Second, no analyte concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error.

Reviewer's Signature:  Date: 10/27/16
Michael K. Perry
Chemist

1.0 SUMMARY

SITE: 255 East 138th Street.
Bronx, NY

SAMPLING DATE: September 6, 2016

SAMPLE TYPE: 1 soil sample

LABORATORY: Accredited Analytical Resources, LLC.
Carteret, NJ

SDG No.: 1601701

2.0 INTRODUCTION

This data usability summary report (DUSR) was prepared in accordance with guidance provided by the New York State Department of Environmental Conservation (NYSDEC). The DUSR is based on a review and evaluation of the laboratory analytical data package. Specifically, the NYSDEC guidance recommends review and evaluation of the following elements of the data package:

- Completeness of the data package as defined under the requirements of the NYSDEC Analytical Services Protocols (ASP) Category B or the United States Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) deliverables,
- Compliance with established analyte holding times,
- Adherence to quality control (QC) limits and specifications for blanks, instrument tuning and calibration, surrogate recoveries, spike recoveries, laboratory duplicate analyses, and other QC criteria,
- Adherence to established analytical protocols,
- Conformance of data summary sheets with raw analytical data, and
- Use of correct data qualifiers.

Data deficiencies, analytical protocol deviations, and quality control problems identified using the review criteria above and their effect on the analytical results are discussed in this report.

3.0 SAMPLE AND ANALYSIS SUMMARY

The data package consists of analytical results for one soil sample collected on September 6, 2016. This sample was analyzed for volatile organic compounds, semi-volatile organic compounds, pesticides, polychlorinated biphenyls (PCBs), TAL metals, hexavalent chromium, and total cyanide.

All laboratory analyses were performed by Accredited Analytical Resources, LLC., Carteret, NJ and analyzed as SDG 1601701. The analytical results were provided in NYSDEC ASP Category B format, which includes all raw analytical data and laboratory QC data.

4.0 GUIDANCE DOCUMENTS AND DATA REVIEW CRITERIA

The guidance documents used for reviewing laboratory quality control (QC) data and assigning data qualifiers (flags) to analytical results are listed in Table 4-1. The QC limits established in the documents applicable to this data review were used to assess the quality of the analytical results. In some cases, however, QC limits established internally by the laboratory were taken into account to determine data quality.

The QC criteria considered for assessing the usability of the reported analytical results provided for each analyte type (i.e. VOCs, SVOCs, metals, etc.) are listed in Table 4-2. These criteria may vary with the analytical method utilized by the laboratory. These criteria comply with the guidance recommended in Section 2.0 above.

5.0 DATA VALIDATION QUALIFIERS

The letter qualifiers (flags) used to define data usability are described briefly below. These letters are assigned by the data validator to analytical results having questionable accuracy and/or precision as determined by reviewing the laboratory QC data associated with the analytical results.

TABLE 4-1**DATA VALIDATION GUIDANCE DOCUMENTS**

Analyte Type	Validation Guidance
VOCs	USEPA, 2008, Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry; SW-846 Method 8260B; SOP # HW-24, Rev. 2. USEPA, 2008, Statement of Work for Organic Analysis of Low/Medium Concentration of Volatile Organic Compounds SOM01.2; SOP HW-33, Rev. 2.
SVOCs	USEPA, 2007, Statement of Work for Organic Analysis of Low/Medium Concentration of Semivolatile Organic Compounds SOM01.2; SOP HW-35, Rev. 1.
Pesticides/PCBs	USEPA, 2006, CLP Organics Data Review and Preliminary Review (CLP/SOW OLMO 4.3); SOP # HW-6, Rev. 14, Part C.
Metals	USEPA, 2006, Validation of Metals for the Contract Laboratory Program (CLP) based on SOW ILMO 5.3 (SOP Revision 13), SOP # HW-2, Rev. 13.
Gen Chemistry	NYSDEC, 2005, Analytical Services Protocols (ASP)
VOCs (Ambient air)	USEPA, 2006, Validating Air Samples, Volatile Organic Analysis of Ambient Air in Canister by Method TO-15; SOP # HW-31, Rev. 4.

TABLE 4-2

**QUALITY CONTROL CRITERIA USED FOR VALIDATING
LABORATORY ANALYTICAL DATA**

VOCs	SVOCs	Pesticides/PCBs	Metals	Gen Chemistry	Method TO-15
Completeness of Pkg Sample Condition Holding Time System Monitoring Compounds Lab Control Sample Matrix Spikes Blanks Instrument Tuning Internal Standards Initial Calibration Continuing Calibration Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Time Surrogate Recoveries Lab Control Sample Matrix Spikes Blanks Instrument Tuning Internal Standards Initial Calibration Continuing Calibration Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Time Surrogate Recoveries Matrix Spikes Blanks Instrument Calibration & Verification Analyte ID Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Time Initial/Continuing Calibration CRDL Standards Blanks Interference Check Sample Spike Recoveries Lab Duplicate Lab Control Sample ICP Serial Dilutions Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Times Calibration Lab Control Samples Blanks Spike Recoveries Lab Duplicates	Completeness of Pkg Sample Condition Holding Time Canister Certification Lab Control Sample Instrument Tuning Blanks Initial Calibration & System Performance Daily Calibration Field Duplicate

The laboratory may also use various letters and symbols to flag analytical results generated when QC limits were exceeded. The meanings of these flags may differ from those used by the independent data validator. Those used by the laboratory are provided with the analytical results.

NOTE: The assignment of data qualifiers by the data reviewer (validator) to laboratory analytical results should not necessarily be interpreted by the data user as a measure of laboratory ability or proficiency. Rather, the qualifiers are intended to provide a measure of data accuracy and precision to the data user, which, for example, may provide a level of confidence in determining whether or not standards or cleanup objectives have been met.

- U** The analyte was analyzed for but was not detected at or above the sample quantitation limit.
- J** The analyte was positively identified; the associated numerical value is the *approximate* concentration of the analyte in the sample. (The magnitude of any \pm value associated with the result is not determined by data validation).
- UJ** The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is *approximate* and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R** The sample result is rejected (i.e., is unusable) due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
- N** The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
- JN** The analyte is considered to be "presumptively present." The associated numerical value represents its *approximate* concentration.

The validated analytical results are attached to this report. Validation qualifiers (flags) are indicated using red ink. Data sheets having qualified data are signed and dated by the data reviewer.

6.0 RESULTS OF THE DATA REVIEW

The results of the data review are summarized in Tables 6-1 through 6-6. The tables list the samples where QC criteria were found to exceed acceptable limits and the actions taken to qualify the associated analytical results.

7.0 TOTAL USABLE DATA

For SDG 1601701, one sample was analyzed and results were reported for 191 analytes. Even though some results were flagged with a "J" as estimated, all results (100 %) are considered usable. See the summary table for the analyses that have been rejected and the associated QC reasons.

Table 6-1 **VOCs**

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
EP-27	Acetone Methylene Chloride	J detects	ICV RPD > 20 %	Sample detects are estimated
EP-27	Acetone Methylene Chloride	UJ non-detects J detects	CCV % D > 20 %	Samples are estimated

Table 6-2 **SVOCs**

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
EP-27	Bis(2-ethylhexyl)phthalate	J all data 10X MB value	Detected in the method blank	Sample was non-detect
EP-27	4-Chloroaniline Hexachlorobutadiene 3-Nitroaniline	"UJ"	LCS < 70 % QC limit	All samples non-detect

Table 6-3 **Pesticides**

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

Table 6-4 PCBs

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

Table 6-5 TAL Metals

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

Table 6-6 Wet Chemistry

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

ACRONYMS

BSP	Blank Spike
CCAL	Continuing Calibration
CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification
CRDL	Contract Required Detection Limit
CRQL	Contract Required Quantitation Limit
%D	Percent Difference
ICAL	Initial Calibration
ICB	Initial Calibration Blank
IS	Internal Standard
LCS	Laboratory Control Sample
MS/MSD	Matrix Spike/Matrix Spike Duplicate
QA	Quality Assurance
QC	Quality Control
%R	Percent recovery
RPD	Relative Percent Difference
%RSD	Percent Relative Standard Deviation
TAL	Target Analyte List (metals)
TCL	Target Compound List (organics)

Appendix A

*Validated
Analytical
Results*



Accredited Analytical Resources, LLC.

ANALYTICAL REPORT

for

BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.

Manasquan, NJ 08736

Project: 255 East 138th Street

AAR Work Order: 1601701

<u>Client Sample ID:</u> EP-27	<u>Lab Sample ID:</u> 1601701-01
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This data has been reviewed and accepted by:

Daniel Miguel
Technical Director

10/12/2016

New Jersey Certification Number: 12007
New York Certification Number: 11109
Pennsylvania Certification Number: 68-02799

This report shall not be reproduced, except in its entirety, without the written consent of Accredited Analytical Resources, LLC.
The test results included in this report relate only to the samples analyzed.



Case Narrative

Conformance / Non-Conformance Summary

Accredited Analytical Resources, LLC received 1 sample(s) from BRINKERHOFF ENVIRONMENTAL (Project: 255 East 138th Street) on 09/07/2016 14:15.

All analyses were performed within the required holding time.

In the Volatile Organic analyses, B6I0815-MS1/MSD1 had compounds recovered outside acceptance criteria due to matrix interference, the LCS was recovered within acceptance limits for all compounds; therefore, no further action required.

In the BNA analyses, the laboratory control sample (LCS) for Batch B6I0901 recovered outside control limits for multiple analytes. These analytes were recovered within house limits; therefore, the data has been reported.

In the BNA analyses, the MS/MSD for Batch B6I0901 had compounds recovered outside acceptance criteria due to matrix interference, the LCS was recovered within acceptance limits for affected compounds; therefore, no further action required.

In the Pesticide analyses, B6I0902-MS1/MSD1 had compounds recovered outside acceptance criteria due to matrix interference, the LCS was recovered within acceptance limits for all compounds; therefore, no further action required.

In the Metals analysis the recoveries of the MS/MSD were outside of acceptance criteria. The QC sample had concentrations too high to be able to determine a spike recovery. The LCS was within acceptance criteria for those metals out in the MS/MSD. The results are included in this data package.

Except for the parameters tested AAR makes no representation as to the fitness or quality of the sample (s) taken.

"The laboratory has reviewed the quality assurance and quality control measurements for the sample analyses."

Daniel Miguel
Technical Director



ANALYSIS DATA SHEET
EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-27
Lab Sample ID: 1601701-01
Project: 255 East 138th Street
Work Order: 1601701

Date Sampled:	09/06/16 12:47	Prep Date:	09/08/16 15:03	Matrix:	Soil
Percent Solids:	73.30	Prep Method:	EPA 5035A	File ID:	A9386.D
Prep Batch:	B610815	Sequence:	S610807	Analyzed:	09/08/16 15:03
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
107-02-8	Acrolein	ND	8.42	14.0	U
107-13-1	Acrylonitrile	ND	2.81	14.0	U
67-64-1	Acetone	8.27 J	1.40	2.81	
75-71-8	Dichlorodifluoromethane	ND	1.40	2.81	U
74-87-3	Chloromethane	ND	1.40	2.81	U
75-01-4	Vinyl chloride	ND	1.40	2.81	U
74-83-9	Bromomethane	ND	1.40	2.81	U
75-00-3	Chloroethane	ND	1.40	2.81	U
75-69-4	Trichlorofluoromethane	ND uJ	1.40	2.81	U
75-35-4	1,1-Dichloroethene	ND	1.40	2.81	U
75-15-0	Carbon disulfide	ND	1.40	2.81	U
75-09-2	Methylene Chloride	ND uJ	1.40	2.81	U
156-60-5	trans-1,2-Dichloroethene	ND	1.40	2.81	U
75-34-3	1,1-Dichloroethane	ND	1.40	2.81	U
108-05-4	Vinyl acetate	ND	1.40	2.81	U
590-20-7	2,2-Dichloropropane	ND	1.40	2.81	U
78-93-3	2-Butanone	ND	1.40	2.81	U
156-59-4	cis-1,2-Dichloroethene	ND	1.40	2.81	U
67-66-3	Chloroform	ND	1.40	2.81	U
74-97-5	Bromochloromethane	ND	1.40	2.81	U
71-55-6	1,1,1-Trichloroethane	ND	1.40	2.81	U
563-58-6	1,1-Dichloropropene	ND	1.40	2.81	U
56-23-5	Carbon Tetrachloride	ND	1.40	2.81	U
107-06-2	1,2-Dichloroethane	ND	1.40	2.81	U
71-43-2	Benzene	ND	1.40	2.81	U



ANALYSIS DATA SHEET
EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-27
Lab Sample ID: 1601701-01
Project: 255 East 138th Street
Work Order: 1601701

Date Sampled:	09/06/16 12:47	Prep Date:	09/08/16 15:03	Matrix:	Soil
Percent Solids:	73.30	Prep Method:	EPA 5035A	File ID:	A9386.D
Prep Batch:	B610815	Sequence:	S610807	Analyzed:	09/08/16 15:03
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
79-01-6	Trichloroethene	ND	1.40	2.81	U
78-87-5	1,2-Dichloropropane	ND	1.40	2.81	U
75-27-4	Bromodichloromethane	ND	1.40	2.81	U
74-95-3	Dibromomethane	ND	1.40	2.81	U
110-75-8	2-Chloroethyl vinyl ether	ND	1.40	2.81	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.40	2.81	U
108-88-3	Toluene	ND	1.40	2.81	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.40	2.81	U
79-00-5	1,1,2-Trichloroethane	ND	1.40	2.81	U
108-10-1	4-Methyl-2-pentanone	ND	1.40	2.81	U
106-93-4	1,2-Dibromoethane	ND	1.40	2.81	U
591-78-6	2-Hexanone	ND	1.40	2.81	U
142-28-9	1,3-Dichloropropane	ND	1.40	2.81	U
127-18-4	Tetrachloroethene	ND	1.40	2.81	U
124-48-1	Dibromochloromethane	ND	1.40	2.81	U
100-41-4	Ethylbenzene	ND	1.40	2.81	U
108-90-7	Chlorobenzene	ND	1.40	2.81	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.40	2.81	U
108-38-3/106-42	m,p-Xylenes	ND	2.81	5.61	U
95-47-6	o-Xylene	ND	2.81	5.61	U
100-42-5	Styrene	ND	1.40	5.61	U
75-25-2	Bromoform	ND	1.40	2.81	U
98-82-8	Isopropylbenzene	ND	1.40	2.81	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.40	2.81	U
96-18-4	1,2,3-Trichloropropane	ND	1.40	2.81	U



ANALYSIS DATA SHEET
EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-27
Lab Sample ID: 1601701-01
Project: 255 East 138th Street
Work Order: 1601701

Date Sampled:	09/06/16 12:47	Prep Date:	09/08/16 15:03	Matrix:	Soil
Percent Solids:	73.30	Prep Method:	EPA 5035A	File ID:	A9386.D
Prep Batch:	B610815	Sequence:	S610807	Analyzed:	09/08/16 15:03
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
103-65-1	n-Propyl Benzene	ND	1.40	2.81	U
108-86-1	Bromobenzene	ND	1.40	2.81	U
108-67-8	1,3,5-Trimethylbenzene	ND	1.40	2.81	U
95-49-8	2-Chlorotoluene	ND	1.40	2.81	U
106-43-4	4-Chlorotoluene	ND	1.40	2.81	U
98-06-6	tert-Butylbenzene	ND	1.40	2.81	U
95-63-6	1,2,4-Trimethylbenzene	ND	1.40	2.81	U
135-98-8	sec-Butylbenzene	ND	1.40	2.81	U
99-87-6	p-Isopropyltoluene	ND	1.40	2.81	U
541-73-1	1,3-Dichlorobenzene	ND	1.40	2.81	U
106-46-7	1,4-Dichlorobenzene	ND	1.40	2.81	U
104-51-8	n-Butyl Benzene	ND	1.40	2.81	U
95-50-1	1,2-Dichlorobenzene	ND	1.40	2.81	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.40	2.81	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.40	2.81	U
87-68-3	Hexachlorobutadiene	ND	1.40	2.81	U
87-61-6	1,2,3-Trichlorobenzene	ND	1.40	2.81	U

Surrogate	% Recovery	Recovery Limits
1,2-Dichloroethane-d4	109%	70-130
Toluene-d8	95%	70-130
Bromofluorobenzene	89%	70-130

* Values outside of QC limits

ND - Indicates compound analyzed for but not detected

U - Indicates compound analyzed for but not detected

J - Indicates estimated value for TICs and all results when detected below the RL

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.

MDL - Minimum detection limit

RL - Reporting limit



ANALYSIS DATA SHEET
EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-27
Lab Sample ID: 1601701-01
Project: 255 East 138th Street
Work Order: 1601701

Date Sampled:	09/06/16 12:47	Prep Date:	09/09/16 05:22	Matrix:	Soil
Percent Solids:	73.30	Prep Method:	EPA 3550B GCMS	File ID:	F14237.D
Prep Batch:	B610901	Sequence:	S610915	Analyzed:	09/09/16 23:17
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
62-75-9	N-Nitrosodimethylamine	ND	45.4	228	U
108-95-2	Phenol	ND	45.4	228	U
111-44-4	bis(2-chloroethyl)ether	ND	45.4	228	U
95-57-8	2-Chlorophenol	ND	45.4	228	U
541-73-1	1,3-Dichlorobenzene	ND	45.4	228	U
106-46-7	1,4-Dichlorobenzene	ND	45.4	228	U
100-51-6	Benzyl alcohol	ND	45.4	228	U
95-50-1	1,2-Dichlorobenzene	ND	45.4	228	U
95-48-7	2-Methylphenol	ND	45.4	228	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	45.4	228	U
106-44-5	3 & 4-Methylphenol	ND	45.4	228	U
621-64-7	N-Nitroso-di-n-propylamine	ND	45.4	228	U
67-72-1	Hexachloroethane	ND	45.4	228	U
98-95-3	Nitrobenzene	ND	45.4	228	U
78-59-1	Isophorone	ND	45.4	228	U
88-75-5	2-Nitrophenol	ND	45.4	228	U
105-67-9	2,4-Dimethylphenol	ND	45.4	228	U
65-85-0	Benzoic acid	ND	113	454	U
111-91-1	bis(2-chloroethoxy)methane	ND	45.4	228	U
120-83-2	2,4-Dichlorophenol	ND	45.4	228	U
120-82-1	1,2,4-Trichlorobenzene	ND	45.4	228	U
91-20-3	Naphthalene	ND	45.4	228	U
106-47-8	4-Chloroaniline	ND <i>UJ</i>	45.4	228	U
87-68-3	Hexachlorobutadiene	ND <i>UJ</i>	45.4	228	U
59-50-7	4-Chloro-3-methylphenol	ND	45.4	228	U



ANALYSIS DATA SHEET
EPA 8270

Client: **BRINKERHOFF ENVIRONMENTAL**
 Client Sample ID: **EP-27**
 Lab Sample ID: **1601701-01**
 Project: **255 East 138th Street**
 Work Order: **1601701**

Date Sampled:	09/06/16 12:47	Prep Date:	09/09/16 05:22	Matrix:	Soil
Percent Solids:	73.30	Prep Method:	EPA 3550B GCMS	File ID:	F14237.D
Prep Batch:	B6I0901	Sequence:	S6I0915	Analyzed:	09/09/16 23:17
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
91-57-6	2-Methylnaphthylene	ND	45.4	228	U
77-47-4	Hexachlorocyclopentadiene	ND	45.4	228	U
88-06-2	2,4,6-Trichlorophenol	ND	45.4	228	U
95-95-4	2,4,5-Trichlorophenol	ND	45.4	228	U
91-58-7	2-Chloronaphthalene	ND	45.4	228	U
88-74-4	2-Nitroaniline	ND	45.4	228	U
131-11-3	Dimethylphthalate	ND	45.4	228	U
208-96-8	Acenaphthylene	ND	45.4	228	U
99-09-2	3-Nitroaniline	ND <i>u.s.</i>	45.4	228	U
83-32-9	Acenaphthene	ND	45.4	228	U
51-28-5	2,4-Dinitrophenol	ND	45.4	454	U
100-02-7	4-Nitrophenol	ND	45.4	228	U
132-64-9	Dibenzofuran	ND	45.4	228	U
606-20-2	2,6-Dinitrotoluene	ND	45.4	228	U
121-14-2	2,4-Dinitrotoluene	ND	45.4	228	U
84-66-2	Diethyl phthalate	ND	45.4	228	U
7005-72-3	4-Chlorophenyl-phenylether	ND	45.4	228	U
86-73-7	Fluorene	ND	45.4	228	U
100-01-6	4-Nitroaniline	ND	45.4	228	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	45.4	228	U
86-30-6	N-Nitrosodiphenylamine	ND	45.4	228	U
101-55-3	4-Bromophenyl-phenylether	ND	45.4	228	U
118-74-1	Hexachlorobenzene	ND	45.4	228	U
87-86-5	Pentachlorophenol	ND	45.4	228	U
85-01-8	Phenanthrene	118	45.4	228	J

u.s. 9/27/16



ANALYSIS DATA SHEET
EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-27
Lab Sample ID: 1601701-01
Project: 255 East 138th Street
Work Order: 1601701

Date Sampled:	09/06/16 12:47	Prep Date:	09/09/16 05:22	Matrix:	Soil
Percent Solids:	73.30	Prep Method:	EPA 3550B GCMS	File ID:	F14237.D
Prep Batch:	B610901	Sequence:	S610915	Analyzed:	09/09/16 23:17
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
120-12-7	Anthracene	ND	45.4	228	U
84-74-2	Di-n-butyl phthalate	ND	45.4	228	U
206-44-0	Fluoranthene	178	45.4	228	J
129-00-0	Pyrene	162	45.4	228	J
85-68-7	Butylbenzylphthalate	ND	45.4	228	U
91-94-1	3,3'-Dichlorobenzidine	ND	113	228	U
56-55-3	Benzo[a]anthracene	84.6	45.4	228	J
117-81-7	bis(2-ethylhexyl)phthalate	ND	45.4	228	U
218-01-9	Chrysene	94.1	45.4	228	J
117-84-0	Di-n-octyl phthalate	ND	45.4	228	U
205-99-2	Benzo[b]fluoranthene	99.6	45.4	228	J
207-08-9	Benzo[k]fluoranthene	ND	45.4	228	U
50-32-8	Benzo[a]pyrene	77.3	45.4	228	J
193-39-5	Indeno(1,2,3-cd)pyrene	ND	45.4	228	U
53-70-3	Dibenzo(a,h)anthracene	ND	45.4	228	U
191-24-2	Benzo[ghi]perylene	ND	45.4	228	U

<u>Surrogate</u>	<u>% Recovery</u>	<u>Recovery Limits</u>
2-Fluorophenol	93%	30-130
Phenol-d5	92%	30-130
Nitrobenzene-d5	52%	30-130
2-Fluorobiphenyl	51%	30-130
2,4,6-Tribromophenol	94%	30-130
Terphenyl-d14	92%	30-130



ANALYSIS DATA SHEET

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-27
Lab Sample ID: 1601701-01
Project: 255 East 138th Street
Work Order: 1601701

Date Sampled:	09/06/16 12:47	Prep Date:	09/09/16 05:25	Matrix:	Soil
Percent Solids:	73.30	Prep Method:	EPA 3550B	File ID:	A23027.D
Prep Batch:	B6I0902	Sequence:	S6I0901	Analyzed:	09/09/16 17:09
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
319-84-6	alpha-BHC	ND	0.900	0.900	U
319-85-7	beta-BHC	ND	0.900	0.900	U
319-86-8	delta-BHC	ND	0.900	0.900	U
58-89-9	gamma-BHC [Lindane]	ND	0.900	0.900	U
76-44-8	Heptachlor	ND	0.900	0.900	U
309-00-2	Aldrin	ND	0.900	0.900	U
1024-57-3	Heptachlor Epoxide	ND	0.900	0.900	U
959-98-8	Endosulfan I	ND	0.900	0.900	U
60-57-1	Dieldrin	ND	1.81	1.81	U
72-55-9	4,4'-DDE	ND	1.81	1.81	U
72-20-8	Endrin	ND	1.81	1.81	U
33213-65-9	Endosulfan II	ND	1.81	1.81	U
72-54-8	4,4'-DDD	ND	1.81	1.81	U
1031-07-8	Endosulfan sulfate	ND	1.81	1.81	U
50-29-3	4,4'-DDT	ND	1.81	1.81	U
72-43-5	Methoxychlor	ND	2.73	9.09	U
53494-70-5	Endrin ketone	ND	1.81	1.81	U
7421-93-4	Endrin aldehyde	ND	1.81	1.81	U
5103-71-9	alpha-Chlordane	ND	0.900	0.900	U
5566-34-7	gamma-Chlordane	ND	0.900	0.900	U
8001-35-2	Toxaphene	ND	45.4	45.4	U
12674-11-2	Aroclor-1016	ND	22.6	45.4	U



ANALYSIS DATA SHEET

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-27
Lab Sample ID: 1601701-01
Project: 255 East 138th Street
Work Order: 1601701

Date Sampled:	09/06/16 12:47	Prep Date:	09/09/16 05:25	Matrix:	Soil
Percent Solids:	73.30	Prep Method:	EPA 3550B	File ID:	A23027.D
Prep Batch:	B610902	Sequence:	S610901	Analyzed:	09/09/16 17:09
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
11104-28-2	Aroclor-1221	ND	22.6	45.4	U
11141-16-5	Aroclor-1232	ND	22.6	45.4	U
53469-21-9	Aroclor-1242	ND	22.6	45.4	U
12672-29-6	Aroclor-1248	ND	22.6	45.4	U
11097-69-1	Aroclor-1254	ND	22.6	45.4	U
11096-82-5	Aroclor-1260	ND	22.6	45.4	U
37324-23-5	Aroclor-1262	ND	22.6	45.4	U
11100-14-4	Aroclor-1268	ND	22.6	45.4	U

<u>Surrogate</u>	<u>% Recovery</u>	<u>Recovery Limits</u>
Tetrachloro-m-xylene	56.7%	30-150
Tetrachloro-m-xylene [2C]	69.5%	30-150
Decachlorobiphenyl	72.4%	30-150
Decachlorobiphenyl [2C]	84.0%	30-150

* Values outside of QC limits
 ND - Indicates compound analyzed for but not detected
 U - Indicates compound analyzed for but not detected
 J - Indicates estimated value for TICs and all results when detected below the RL
 B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard
 D - Indicates result is based on a dilution
 P - Greater than 25% diff. between 2 GC columns.
 MDL - Minimum detection limit
 RL - Reporting limit



ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-27
Lab Sample ID: 1601701-01
Project: 255 East 138th Street
Work Order: 1601701

Date Sampled: 09/06/16 12:47	Matrix: Soil
Percent Solids: 73.30	File ID: 091216A-017

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
7429-90-5	Aluminum	10600	20.2	20.2	1		09/09/16 09:42	EPA 3050B	09/12/16 11:37 LIT	EPA 6010
7439-97-6	Mercury	0.164	0.102	0.102	1		09/09/16 09:31	EPA 7471A	09/09/16 12:07 PRT	EPA 7471
7440-36-0	Antimony	ND	4.04	4.04	1	U	09/09/16 09:42	EPA 3050B	09/12/16 11:37 LIT	EPA 6010
7440-38-2	Arsenic	2.53	1.01	1.01	1		09/09/16 09:42	EPA 3050B	09/12/16 11:37 LIT	EPA 6010
7440-39-3	Barium	58.5	20.2	20.2	1		09/09/16 09:42	EPA 3050B	09/12/16 11:37 LIT	EPA 6010
7440-41-7	Beryllium	ND	0.505	0.505	1	U	09/09/16 09:42	EPA 3050B	09/12/16 11:37 LIT	EPA 6010
7440-43-9	Cadmium	0.890	0.505	0.505	1		09/09/16 09:42	EPA 3050B	09/12/16 11:37 LIT	EPA 6010
7440-70-2	Calcium	11800	25.2	25.2	1		09/09/16 09:42	EPA 3050B	09/12/16 11:37 LIT	EPA 6010
7440-47-3	Chromium	17.0	2.02	2.02	1		09/09/16 09:42	EPA 3050B	09/12/16 11:37 LIT	EPA 6010
7440-48-4	Cobalt	8.34	5.05	5.05	1		09/09/16 09:42	EPA 3050B	09/12/16 11:37 LIT	EPA 6010
7440-50-8	Copper	18.9	3.03	3.03	1		09/09/16 09:42	EPA 3050B	09/12/16 11:37 LIT	EPA 6010
7439-89-6	Iron	15200	25.2	25.2	1		09/09/16 09:42	EPA 3050B	09/12/16 11:37 LIT	EPA 6010
7439-92-1	Lead	31.0	1.01	1.01	1		09/09/16 09:42	EPA 3050B	09/12/16 11:37 LIT	EPA 6010
7439-95-4	Magnesium	8860	50.5	50.5	1		09/09/16 09:42	EPA 3050B	09/12/16 11:37 LIT	EPA 6010
7439-96-5	Manganese	473	2.02	2.02	1		09/09/16 09:42	EPA 3050B	09/12/16 11:37 LIT	EPA 6010
7440-02-0	Nickel	14.1	4.04	4.04	1		09/09/16 09:42	EPA 3050B	09/12/16 11:37 LIT	EPA 6010
7440-09-7	Potassium	1410	50.5	50.5	1		09/09/16 09:42	EPA 3050B	09/12/16 11:37 LIT	EPA 6010
7782-49-2	Selenium	ND	4.04	4.04	1	U	09/09/16 09:42	EPA 3050B	09/12/16 11:37 LIT	EPA 6010
7440-22-4	Silver	ND	0.505	0.505	1	U	09/09/16 09:42	EPA 3050B	09/12/16 11:37 LIT	EPA 6010
7440-23-5	Sodium	201	50.5	50.5	1		09/09/16 09:42	EPA 3050B	09/12/16 11:37 LIT	EPA 6010
7440-28-0	Thallium	ND	1.51	3.03	1	U	09/09/16 09:42	EPA 3050B	09/12/16 11:37 LIT	EPA 6010
7440-62-2	Vanadium	25.6	5.05	5.05	1		09/09/16 09:42	EPA 3050B	09/12/16 11:37 LIT	EPA 6010
7440-66-6	Zinc	55.1	6.06	6.06	1		09/09/16 09:42	EPA 3050B	09/12/16 11:37 LIT	EPA 6010

* Values outside of QC limits

ND - Indicates compound analyzed for but not detected

U - Indicates compound analyzed for but not detected

J - Indicates estimated value for TICs and all results when detected below the RL

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.

MDL - Minimum detection limit

RL - Reporting limit



ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-27
Lab Sample ID: 1601701-01
Project: 255 East 138th Street
Work Order: 1601701

Date Sampled: 09/06/16 12:47	Matrix: Soil
Percent Solids: 73.30	File ID:

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
16065-83-1	Trivalent Chromium	17.0	1.48	1.48	1		09/12/16 09:31	[CALC]	09/12/16 17:08 NNM	[CALC]
1854-02-99	Chromium, Hexava	ND	2.73	2.73	1	U	09/12/16 09:31	SW 846 3060A	09/12/16 17:08 NNM	EPA 7196A
NA	Cyanide (total)	ND	1.36	1.36	1	U	09/12/16 09:24	EPA 9010C	09/12/16 15:07 NNM	EPA 9014

CAS NO.	Analyte	Concentration (%)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
NA	Percent Solids	73.3	0.100	0.100	1		09/08/16 12:20	Percent Solids	09/09/16 09:44 KMC	SM 2540 G

* Values outside of QC limits

ND - Indicates compound analyzed for but not detected

U - Indicates compound analyzed for but not detected

J - Indicates estimated value for TICs and all results when detected below the RL

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.

MDL - Minimum detection limit

RL - Reporting limit

Appendix B

***Laboratory
QC
Documentation***



CONTINUING CALIBRATION VERIFICATION

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1601701
Project: 255 East 138th Street
Instrument ID: GC/MS A
Lab File ID: A9376.D
Sequence: S610807
Lab Sample ID: S610807-CCV1

Calibration: 16H2903
Calibration Date: 08/29/16 19:56
Injection Date: 09/08/16
Injection Time: 09:28

COMPOUND	TYPE	CONC. (ug/L)		RESPONSE FACTOR			% DIFF	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acrolein	A	250	212	5.094183E-02	4.322327E-02		-15.2	
Acrylonitrile	A	250	246	0.1167273	0.1147691		-1.7	
Acetone	L	50.0	53.7	0.1747694	0.1419703		-18.8	
Dichlorodifluoromethane	A	50.0	54.8	0.3620657	0.396968		9.6	
Chloromethane	A	50.0	50.0	0.6446193	0.6445226	0.1	-0.02	
Vinyl chloride	A	50.0	53.5	0.6338856	0.6779023		6.9	20
Bromomethane	A	50.0	56.0	0.4973511	0.5570743		12.0	
Chloroethane	A	50.0	52.6	0.2364184	0.2487277		5.2	
Trichlorofluoromethane	A	50.0	62.5	0.6040865	0.7547778		24.9	
Freon 113	A	50.0	48.3	0.5460094	0.5269841		-3.5	
1,1-Dichloroethene	A	50.0	48.3	0.8821578	0.8513793		-3.5	20
Carbon disulfide	A	50.0	42.2	2.237789	1.888894		-15.6	
Methyl Acetate	A	50.0	41.0	0.2835279	0.232206		-18.1	
Methylene Chloride	L	50.0	42.7	1.877848	0.8510613		-54.7	
trans-1,2-Dichloroethene	A	50.0	49.1	0.8991449	0.8827141		-1.8	
1,1-Dichloroethane	A	50.0	51.5	1.058622	1.089513	0.1	2.9	
Vinyl acetate	A	50.0	50.1	0.9809122	0.9833657		0.3	
2,2-Dichloropropane	A	50.0	57.0	0.8359179	0.9537502		14.1	
2-Butanone	A	50.0	48.5	0.1839178	0.1784797		-3.0	
cis-1,2-Dichloroethene	A	50.0	51.8	0.8114303	0.8404505		3.6	
Chloroform	A	50.0	53.1	1.02525	1.088214		6.1	20
Bromochloromethane	A	50.0	50.9	0.3642218	0.3710755		1.9	
Cyclohexane	A	50.0	46.6	0.9915085	0.9241606		-6.8	



INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8260

Client: **BRINKERHOFF ENVIRONMENTAL**
 Work Order: **1601701**
 Project: **255 East 138th Street**

Calibration:	16H2903	Instrument:	GC/MS A
		Calibration Date:	8/29/2016 7:56:55PM

COMPOUND	Mean RF	RF RSD	LIMIT	Q
Acrolein	5.094183E-02	5.902873		
Acrylonitrile	0.1167273	3.778378		
Acetone	0.1747694	41.54276		
Dichlorodifluoromethane	0.3620657	13.06906		
Chloromethane	0.6446193	7.262679	SPCC (0.1)	
Vinyl chloride	0.6338856	7.791452	CCC (20)	
Bromomethane	0.4973511	6.110204		
Chloroethane	0.2364184	7.428701		
Trichlorofluoromethane	0.6040865	8.703495		
Freon 113	0.5460094	4.513852		
1,1-Dichloroethene	0.8821578	4.055756	CCC (20)	
Carbon disulfide	2.237789	5.996131		
Methyl Acetate	0.2835279	13.47158		
Methylene Chloride	1.877848	96.62287		
trans-1,2-Dichloroethene	0.8991449	6.440984		
1,1-Dichloroethane	1.058622	6.387356	SPCC (0.1)	
Vinyl acetate	0.9809122	4.721133		
2,2-Dichloropropane	0.8359179	3.248966		
2-Butanone	0.1839178	13.22088		
cis-1,2-Dichloroethene	0.8114303	6.048788		
Chloroform	1.02525	3.40079	CCC (20)	
Bromochloromethane	0.3642218	7.373368		
Cyclohexane	0.9915085	4.912063		
1,1,1-Trichloroethane	0.8164359	3.315326		
t-Butyl alcohol	2.729559E-02	4.03008		



ANALYSIS DATA SHEET

Blank

Client: **BRINKERHOFF ENVIRONMENTAL**
 Work Order: **1601701**
 Project: **255 East 138th Street**

Matrix:	Solid	Laboratory ID:	B610901-BLK1	File ID:	F14229.D
Batch:	B610901	Prepared:	09/09/16 05:22	Analyzed:	09/09/16 17:02
Column:	1	Preparation:	EPA 3550B GCMS	Dilution:	
		Sequence:	S610915	Instrument:	GC/MS F

CAS NO.	COMPOUND	CONC. (ug/kg wet)	MDL	RL	Q
87-86-5	Pentachlorophenol	ND	33.3	167	U
85-01-8	Phenanthrene	ND	33.3	167	U
120-12-7	Anthracene	ND	33.3	167	U
84-74-2	Di-n-butyl phthalate	ND	33.3	167	U
206-44-0	Fluoranthene	ND	33.3	167	U
129-00-0	Pyrene	ND	33.3	167	U
85-68-7	Butylbenzylphthalate	ND	33.3	167	U
91-94-1	3,3'-Dichlorobenzidine	ND	83.0	167	U
56-55-3	Benzo[a]anthracene	ND	33.3	167	U
117-81-7	bis(2-ethylhexyl)phthalate	36.7	33.3	167	J
218-01-9	Chrysene	ND	33.3	167	U
117-84-0	Di-n-octyl phthalate	ND	33.3	167	U
205-99-2	Benzo[b]fluoranthene	ND	33.3	167	U
207-08-9	Benzo[k]fluoranthene	ND	33.3	167	U
50-32-8	Benzo[a]pyrene	ND	33.3	167	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	33.3	167	U
53-70-3	Dibenzo(a,h)anthracene	ND	33.3	167	U
191-24-2	Benzo[ghi]perylene	ND	33.3	167	U
	<u>Surrogate</u>	<u>% Recovery</u>		<u>Recovery Limits</u>	
	2-Fluorophenol	79%		30-130	
	Phenol-d5	81%		30-130	
	Nitrobenzene-d5	82%		30-130	
	2-Fluorobiphenyl	71%		30-130	
	2,4,6-Tribromophenol	73%		30-130	
	Terphenyl-d14	97%		30-130	



LCS / LCS DUPLICATE RECOVERY

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street
Work Order: 1601701

Matrix:	Solid	Prep Method:	EPA 3550B GCMS
Prep Batch:	B610901	Lab Sample ID:	B610901-BS1

ANALYTE	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC.	QC LIMITS REC.
Pyridine	1670	1080	65	20 - 160
N-Nitrosodimethylamine	1670	1340	80	20 - 160
Aniline	1670	1210	73	20 - 160
Phenol	1670	1420	85	20 - 160
bis(2-chloroethyl)ether	1670	1340	81	70 - 130
2-Chlorophenol	1670	1380	83	70 - 130
1,3-Dichlorobenzene	1670	1200	72	70 - 130
1,4-Dichlorobenzene	1670	1210	73	70 - 130
Benzyl alcohol	1670	1370	82	20 - 160
1,2-Dichlorobenzene	1670	1220	73	70 - 130
2-Methylphenol	1670	1390	83	20 - 160
bis(2-chloroisopropyl)ether	1670	1320	79	70 - 130
3 & 4-Methylphenol	1670	1410	84	20 - 160
N-Nitroso-di-n-propylamine	1670	1360	81	70 - 130
Hexachloroethane	1670	1260	75	20 - 160
Nitrobenzene	1670	1280	77	70 - 130
Isophorone	1670	1310	79	70 - 130
2-Nitrophenol	1670	1280	77	70 - 130
2,4-Dimethylphenol	1670	1300	78	70 - 130
bis(2-chloroethoxy)methane	1670	1290	78	70 - 130
2,4-Dichlorophenol	1670	1280	77	70 - 130
1,2,4-Trichlorobenzene	1670	1170	70	70 - 130
Naphthalene	1670	1210	72	70 - 130
4-Chloroaniline	1670	584	35	70 - 130
Hexachlorobutadiene	1670	1070	64	70 - 130
4-Chloro-3-methylphenol	1670	1430	86	70 - 130
2-Methylnaphthylene	1670	1260	75	70 - 130
Hexachlorocyclopentadiene	1670	1020	61	20 - 160



LCS / LCS DUPLICATE RECOVERY

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street
Work Order: 1601701

Matrix:	Solid	Prep Method:	EPA 3550B GCMS
Prep Batch:	B610901	Lab Sample ID:	B610901-BS1

ANALYTE	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC.	QC LIMITS REC.
2,4,6-Trichlorophenol	1670	1330	80	70 - 130
2,4,5-Trichlorophenol	1670	1370	82	70 - 130
2-Chloronaphthalene	1670	1310	79	70 - 130
2-Nitroaniline	1670	1500	90	70 - 130
Dimethylphthalate	1670	1420	85	70 - 130
Acenaphthylene	1670	1330	80	70 - 130
3-Nitroaniline	1670	1130	68	70 - 130
Acenaphthene	1670	1370	82	70 - 130
2,4-Dinitrophenol	1670	1050	63	20 - 160
4-Nitrophenol	1670	1430	86	20 - 160
Dibenzofuran	1670	1340	80	70 - 130
2,6-Dinitrotoluene	1670	1450	87	70 - 130
2,4-Dinitrotoluene	1670	1480	89	70 - 130
2,3,4,6-Tetrachlorophenol	1670	1300	78	70 - 130
Diethyl phthalate	1670	1400	84	70 - 130
4-Chlorophenyl-phenylether	1670	1310	78	70 - 130
Fluorene	1670	1350	81	70 - 130
4-Nitroaniline	1670	1500	90	70 - 130
4,6-Dinitro-2-methylphenol	1670	1310	78	70 - 130
Carbazole	1670	1490	89	70 - 130
N-Nitrosodiphenylamine	1670	1430	86	20 - 160
Azobenzene	1670	1570	94	70 - 130
4-Bromophenyl-phenylether	1670	1400	84	70 - 130
Hexachlorobenzene	1670	1350	81	70 - 130
Pentachlorophenol	1670	1190	71	20 - 160
Phenanthrene	1670	1410	85	70 - 130
Anthracene	1670	1410	85	70 - 130
Di-n-butyl phthalate	1670	1430	86	70 - 130



LCS / LCS DUPLICATE RECOVERY

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street
Work Order: 1601701

Matrix: Solid	Prep Method: EPA 3550B GCMS
Prep Batch: B610901	Lab Sample ID: B610901-BS1

ANALYTE	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC.	QC LIMITS REC.
Fluoranthene	1670	1450	87	70 - 130
Pyrene	1670	1500	90	70 - 130
Butylbenzylphthalate	1670	1480	89	70 - 130
Benzo[a]anthracene	1670	1420	85	70 - 130
bis(2-ethylhexyl)phthalate	1670	1440	86	70 - 130
Chrysene	1670	1450	87	70 - 130
Di-n-octyl phthalate	1670	1490	89	70 - 130
Benzo[b]fluoranthene	1670	1420	85	70 - 130
Benzo[k]fluoranthene	1670	1470	88	70 - 130
Benzo[a]pyrene	1670	1470	88	70 - 130
Indeno(1,2,3-cd)pyrene	1670	1430	86	70 - 130
Dibenzo(a,h)anthracene	1670	1440	86	70 - 130
Benzo[ghi]perylene	1670	1420	85	70 - 130

* Values outside of QC limits

Appendix C

Validator Qualifications

KENNETH R. APPLIN
Geochemist/Data Validator

Ph.D., Geochemistry and Mineralogy, The Pennsylvania State University

M.S., Geochemistry and Mineralogy, The Pennsylvania State University

B.A., Geological Sciences, SUNY at Geneseo, NY

Dr. Applin has over 35 years of experience working with the geochemistry of natural waters. His prior experience includes working as an Assistant Professor of Geology at the University of Missouri-Columbia and as Chief Hydrogeologist and Geochemist with a leading engineering firm in Rochester, NY. In 1993, he established KR Applin and Associates, a small consulting business that focuses on the geochemistry of natural waters, especially as applied to problems involving the contamination of groundwater and surface water.

Dr. Applin is also an experienced analytical data validator and has provided data validation services since 1994 to a variety of clients performing brownfield cleanup projects, hazardous waste remediation, groundwater monitoring at solid waste facilities, and other projects requiring third-party data validation. Dr. Applin has several years of hands-on experience with the laboratory analysis of natural waters and has successfully completed the USEPA Region II certification courses for performing inorganic and organic analytical data validation.

MICHAEL K. PERRY
Chemist/Data Validator

B.S. Chemistry, Georgia State University, Atlanta, GA

A.A.S., Chemical Technology, Alfred State College, Alfred, NY

Mr. Perry has over 30 years of experience in the analytical laboratory business. During his early career, he spent several years as a laboratory analyst performing the analysis of soil, water, and air samples for inorganic and organic chemical parameters. During his last 20 years in the environmental laboratory business, he managed and directed two major analytical laboratories in Rochester, NY. His management responsibilities included oversight of the daily operations of the lab, staff training and supervision, the selection, purchase, and maintenance of analytical instruments, the introduction of new laboratory methods, analytical quality assurance and quality control, data acquisition and management, and other business-related activities.

Mr. Perry has an extensive working knowledge of the methods and procedures used for sampling and analyzing both inorganic and organic analytes in soil, water, and air. He is an accomplished laboratory chemist and is familiar with the analytical methods and procedures established under the USEPA Contract Laboratory Protocols (CLP), the NYSDEC Analytical Services Protocols (ASP), and the NYSDOH Environmental Laboratory Approval Program (ELAP).

DATA USABILITY SUMMARY REPORT (DUSR)

**Former G & C Services
255 East 138th Street
Bronx, NY
NYSDEC BCP # C203057**

SDG: 1601734
1 Soil Sample

Prepared for:

**Brinkerhoff Environmental Services, Inc.
1805 Atlantic Avenue
Manasquan, NJ 08736**

October 2016



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APPENDIX A	Validated Analytical Results
APPENDIX B	Laboratory QC Documentation
APPENDIX C	Validator Qualifications

Tables

Table 4-1	Data Validation Guidance Documents
Table 4-2	Quality Control Criteria for Validating Laboratory Analytical Data

Summaries of Validated Results

Table 6-1	VOCs
Table 6-2	SVOCs
Table 6-3	Pesticides
Table 6-4	PCBs
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Table 6-6	Wet Chemistry

REVIEWER'S NARRATIVE
SDG 1601734

The data associated with this Sample Delivery Group (SDG) 1601734, analyzed by Accredited Analytical Resources, LLC, Carteret, NJ have been reviewed in accordance with assessment criteria provided by the New York State Department of Environmental Conservation following the review procedures provided in the USEPA Functional Guidelines for evaluating organic and inorganic data.

All analytical results reported by the laboratory are considered valid and acceptable except results that have been qualified as rejected, "R". Results qualified as estimated "J", or as non-detects, "U", are considered usable for the purpose of evaluating water and/or soil quality. However, these qualifiers indicate that the accuracy and/or precision of the analytical result is questionable. A summary of all data that have been qualified and the reasons for qualification are provided in the following data usability summary report (DUSR).

Two facts should be noted by all data users. First, the "R" qualifier means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the analyte is present or not. Values qualified with an "R" should not appear on the final data tables because they cannot be relied upon, even as the last resort. Second, no analyte concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error.

Reviewer's Signature: Michael K. Perry Date: 10/28/16
Michael K. Perry
Chemist

1.0 SUMMARY

SITE:	255 East 138 th Street. Bronx, NY
SAMPLING DATE:	September 9, 2016
SAMPLE TYPE:	1 soil sample
LABORATORY:	Accredited Analytical Resources, LLC. Carteret, NJ
SDG No.:	1601734

2.0 INTRODUCTION

This data usability summary report (DUSR) was prepared in accordance with guidance provided by the New York State Department of Environmental Conservation (NYSDEC). The DUSR is based on a review and evaluation of the laboratory analytical data package. Specifically, the NYSDEC guidance recommends review and evaluation of the following elements of the data package:

- Completeness of the data package as defined under the requirements of the NYSDEC Analytical Services Protocols (ASP) Category B or the United States Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) deliverables,
- Compliance with established analyte holding times,
- Adherence to quality control (QC) limits and specifications for blanks, instrument tuning and calibration, surrogate recoveries, spike recoveries, laboratory duplicate analyses, and other QC criteria,
- Adherence to established analytical protocols,
- Conformance of data summary sheets with raw analytical data, and
- Use of correct data qualifiers.

Data deficiencies, analytical protocol deviations, and quality control problems identified using the review criteria above and their effect on the analytical results are discussed in this report.

3.0 SAMPLE AND ANALYSIS SUMMARY

The data package consists of analytical results for one soil sample collected on September 9, 2016. This sample was analyzed for volatile organic compounds, semi-volatile organic compounds, pesticides, polychlorinated biphenyls (PCBs), TAL metals, hexavalent chromium, and total cyanide.

All laboratory analyses were performed by Accredited Analytical Resources, LLC., Carteret, NJ and analyzed as SDG 1601734. The analytical results were provided in NYSDEC ASP Category B format, which includes all raw analytical data and laboratory QC data.

4.0 GUIDANCE DOCUMENTS AND DATA REVIEW CRITERIA

The guidance documents used for reviewing laboratory quality control (QC) data and assigning data qualifiers (flags) to analytical results are listed in Table 4-1. The QC limits established in the documents applicable to this data review were used to assess the quality of the analytical results. In some cases, however, QC limits established internally by the laboratory were taken into account to determine data quality.

The QC criteria considered for assessing the usability of the reported analytical results provided for each analyte type (i.e. VOCs, SVOCs, metals, etc.) are listed in Table 4-2. These criteria may vary with the analytical method utilized by the laboratory. These criteria comply with the guidance recommended in Section 2.0 above.

5.0 DATA VALIDATION QUALIFIERS

The letter qualifiers (flags) used to define data usability are described briefly below. These letters are assigned by the data validator to analytical results having questionable accuracy and/or precision as determined by reviewing the laboratory QC data associated with the analytical results.

TABLE 4-1**DATA VALIDATION GUIDANCE DOCUMENTS**

Analyte Type	Validation Guidance
VOCs	USEPA, 2008, Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry; SW-846 Method 8260B; SOP # HW-24, Rev. 2. USEPA, 2008, Statement of Work for Organic Analysis of Low/Medium Concentration of Volatile Organic Compounds SOM01.2; SOP HW-33, Rev. 2.
SVOCs	USEPA, 2007, Statement of Work for Organic Analysis of Low/Medium Concentration of Semivolatile Organic Compounds SOM01.2; SOP HW-35, Rev. 1.
Pesticides/PCBs	USEPA, 2006, CLP Organics Data Review and Preliminary Review (CLP/SOW OLMO 4.3); SOP # HW-6, Rev. 14, Part C.
Metals	USEPA, 2006, Validation of Metals for the Contract Laboratory Program (CLP) based on SOW ILMO 5.3 (SOP Revision 13), SOP # HW-2, Rev. 13.
Gen Chemistry	NYSDEC, 2005, Analytical Services Protocols (ASP)
VOCs (Ambient air)	USEPA, 2006, Validating Air Samples, Volatile Organic Analysis of Ambient Air in Canister by Method TO-15; SOP # HW-31, Rev. 4.

TABLE 4-2

**QUALITY CONTROL CRITERIA USED FOR VALIDATING
LABORATORY ANALYTICAL DATA**

VOCs	SVOCs	Pesticides/PCBs	Metals	Gen Chemistry	Method TO-15
Completeness of Pkg Sample Condition Holding Time System Monitoring Compounds Lab Control Sample Matrix Spikes Blanks Instrument Tuning Internal Standards Initial Calibration Continuing Calibration Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Time Surrogate Recoveries Lab Control Sample Matrix Spikes Blanks Instrument Tuning Internal Standards Initial Calibration Continuing Calibration Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Time Surrogate Recoveries Matrix Spikes Blanks Instrument Calibration & Verification Analyte ID Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Time Initial/Continuing Calibration CRDL Standards Blanks Interference Check Sample Spike Recoveries Lab Duplicate Lab Control Sample ICP Serial Dilutions Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Times Calibration Lab Control Samples Blanks Spike Recoveries Lab Duplicates	Completeness of Pkg Sample Condition Holding Time Canister Certification Lab Control Sample Instrument Tuning Blanks Initial Calibration & System Performance Daily Calibration Field Duplicate

The laboratory may also use various letters and symbols to flag analytical results generated when QC limits were exceeded. The meanings of these flags may differ from those used by the independent data validator. Those used by the laboratory are provided with the analytical results.

NOTE: The assignment of data qualifiers by the data reviewer (validator) to laboratory analytical results should not necessarily be interpreted by the data user as a measure of laboratory ability or proficiency. Rather, the qualifiers are intended to provide a measure of data accuracy and precision to the data user, which, for example, may provide a level of confidence in determining whether or not standards or cleanup objectives have been met.

- U** The analyte was analyzed for but was not detected at or above the sample quantitation limit.
- J** The analyte was positively identified; the associated numerical value is the *approximate* concentration of the analyte in the sample. (The magnitude of any \pm value associated with the result is not determined by data validation).
- UJ** The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is *approximate* and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R** The sample result is rejected (i.e., is unusable) due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
- N** The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
- JN** The analyte is considered to be "presumptively present." The associated numerical value represents its *approximate* concentration.

The validated analytical results are attached to this report. Validation qualifiers (flags) are indicated using red ink. Data sheets having qualified data are signed and dated by the data reviewer.

6.0 RESULTS OF THE DATA REVIEW

The results of the data review are summarized in Tables 6-1 through 6-6. The tables list the samples where QC criteria were found to exceed acceptable limits and the actions taken to qualify the associated analytical results.

7.0 TOTAL USABLE DATA

For SDG 1601734, one sample was analyzed and results were reported for 191 analytes. Even though some results were flagged with a "J" as estimated, all results (100 %) are considered usable. See the summary table for the analyses that have been rejected and the associated QC reasons.

Table 6-1 **VOCs**

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
EP-28	Acetone Methylene Chloride	J detects	ICV RPD > 20 %	Sample detects are estimated
EP-28	Dichlorodifluoromethane Trichlorofluoromethane Methylene Chloride	UJ non-detects J detects	CCV % D > 20 %	Samples are estimated

Table 6-2 **SVOCs**

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
EP-28	4-Chloroaniline	"UJ"	LCS < 70 % QC limit	All samples non-detect
EP-28	Benzoic acid	UJ non-detects J detects	CCV > 40 %	All samples non-detect

Table 6-3 **Pesticides**

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

Table 6-4 PCBs

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

Table 6-5 TAL Metals

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
EP-28	Lead Iron Zinc	J detects	Serial dilution > 10 %	Data is estimated

Table 6-6 Wet Chemistry

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

ACRONYMS

BSP	Blank Spike
CCAL	Continuing Calibration
CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification
CRDL	Contract Required Detection Limit
CRQL	Contract Required Quantitation Limit
%D	Percent Difference
ICAL	Initial Calibration
ICB	Initial Calibration Blank
IS	Internal Standard
LCS	Laboratory Control Sample
MS/MSD	Matrix Spike/Matrix Spike Duplicate
QA	Quality Assurance
QC	Quality Control
%R	Percent recovery
RPD	Relative Percent Difference
%RSD	Percent Relative Standard Deviation
TAL	Target Analyte List (metals)
TCL	Target Compound List (organics)

Appendix A

*Validated
Analytical
Results*



Accredited Analytical Resources, LLC.

ANALYTICAL REPORT

for

BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.

Manasquan, NJ 08736

Project: 255 East 138th Street

AAR Work Order: 1601734

<u>Client Sample ID:</u> EP-28	<u>Lab Sample ID:</u> 1601734-01
------------------------------------------	--------------------------------------------

This data has been reviewed and accepted by:

Daniel Miguel
Technical Director

10/10/2016

New Jersey Certification Number: 12007
New York Certification Number: 11109
Pennsylvania Certification Number: 68-02799

This report shall not be reproduced, except in its entirety, without the written consent of Accredited Analytical Resources, LLC.
The test results included in this report relate only to the samples analyzed.



Case Narrative

Conformance / Non-Conformance Summary

Accredited Analytical Resources, LLC received 1 sample(s) from BRINKERHOFF ENVIRONMENTAL (Project: 255 East 138th Street) on 09/09/2016 14:20.

All analyses were performed within the required holding time.

In the BNA analyses, the laboratory control sample (LCS) for Batch B611201 recovered outside control limits for certain analytes. These analytes were recovered within the house limits; therefore, the data has been reported.

In the BNA analyses, the MS/MSD for Batch B611201 had compounds recovered outside acceptance criteria due to matrix interference, the LCS was recovered within acceptance limits for affected compounds; therefore, no further action required

In the Metals analysis the recoveries of the MS/MSD were outside of acceptance criteria. The QC sample had concentrations too high to be able to determine a spike recovery. The LCS was within acceptance criteria for those metals out in the MS/MSD. The results are included in this data package.

In the Hexavalent Chromium analyses, the MS1 recovered outside acceptance criteria due to matrix interference, the LCS was recovered within acceptance limits; therefore, no further action required.

Except for the parameters tested AAR makes no representation as to the fitness or quality of the sample (s) taken.

"The laboratory has reviewed the quality assurance and quality control measurements for the sample analyses."

Daniel Miguel
Technical Director



ANALYSIS DATA SHEET
EPA 8260

Client: **BRINKERHOFF ENVIRONMENTAL**
 Client Sample ID: **EP-28**
 Lab Sample ID: **1601734-01**
 Project: **255 East 138th Street**
 Work Order: **1601734**

Date Sampled:	09/09/16 09:30	Prep Date:	09/09/16 20:19	Matrix:	Soil
Percent Solids:	85.30	Prep Method:	EPA 5035A	File ID:	A9415.D
Prep Batch:	B610921	Sequence:	S610913	Analyzed:	09/09/16 20:19
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
107-02-8	Acrolein	ND	7.28	12.1	U
107-13-1	Acrylonitrile	ND	2.43	12.1	U
67-64-1	Acetone	60.8	1.21	2.43	
75-71-8	Dichlorodifluoromethane	ND <i>u.s.</i>	1.21	2.43	U
74-87-3	Chloromethane	ND	1.21	2.43	U
75-01-4	Vinyl chloride	ND	1.21	2.43	U
74-83-9	Bromomethane	ND	1.21	2.43	U
75-00-3	Chloroethane	ND	1.21	2.43	U
75-69-4	Trichlorofluoromethane	ND <i>u.s.</i>	1.21	2.43	U
75-35-4	1,1-Dichloroethene	ND	1.21	2.43	U
75-15-0	Carbon disulfide	ND	1.21	2.43	U
75-09-2	Methylene Chloride	ND <i>u.s.</i>	1.21	2.43	U
156-60-5	trans-1,2-Dichloroethene	ND	1.21	2.43	U
75-34-3	1,1-Dichloroethane	ND	1.21	2.43	U
108-05-4	Vinyl acetate	ND	1.21	2.43	U
590-20-7	2,2-Dichloropropane	ND	1.21	2.43	U
78-93-3	2-Butanone	17.1	1.21	2.43	
156-59-4	cis-1,2-Dichloroethene	ND	1.21	2.43	U
67-66-3	Chloroform	ND	1.21	2.43	U
74-97-5	Bromochloromethane	ND	1.21	2.43	U
71-55-6	1,1,1-Trichloroethane	ND	1.21	2.43	U
563-58-6	1,1-Dichloropropene	ND	1.21	2.43	U
56-23-5	Carbon Tetrachloride	ND	1.21	2.43	U
107-06-2	1,2-Dichloroethane	ND	1.21	2.43	U
71-43-2	Benzene	ND	1.21	2.43	U



ANALYSIS DATA SHEET
EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-28
Lab Sample ID: 1601734-01
Project: 255 East 138th Street
Work Order: 1601734

Date Sampled:	09/09/16 09:30	Prep Date:	09/09/16 20:19	Matrix:	Soil
Percent Solids:	85.30	Prep Method:	EPA 5035A	File ID:	A9415.D
Prep Batch:	B610921	Sequence:	S610913	Analyzed:	09/09/16 20:19
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
79-01-6	Trichloroethene	ND	1.21	2.43	U
78-87-5	1,2-Dichloropropane	ND	1.21	2.43	U
75-27-4	Bromodichloromethane	ND	1.21	2.43	U
74-95-3	Dibromomethane	ND	1.21	2.43	U
110-75-8	2-Chloroethyl vinyl ether	ND	1.21	2.43	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.21	2.43	U
108-88-3	Toluene	ND	1.21	2.43	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.21	2.43	U
79-00-5	1,1,2-Trichloroethane	ND	1.21	2.43	U
108-10-1	4-Methyl-2-pentanone	ND	1.21	2.43	U
106-93-4	1,2-Dibromoethane	ND	1.21	2.43	U
591-78-6	2-Hexanone	ND	1.21	2.43	U
142-28-9	1,3-Dichloropropane	ND	1.21	2.43	U
127-18-4	Tetrachloroethene	ND	1.21	2.43	U
124-48-1	Dibromochloromethane	ND	1.21	2.43	U
100-41-4	Ethylbenzene	ND	1.21	2.43	U
108-90-7	Chlorobenzene	ND	1.21	2.43	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.21	2.43	U
108-38-3/106-42	m,p-Xylenes	ND	2.43	4.85	U
95-47-6	o-Xylene	ND	2.43	4.85	U
100-42-5	Styrene	ND	1.21	4.85	U
75-25-2	Bromoform	ND	1.21	2.43	U
98-82-8	Isopropylbenzene	ND	1.21	2.43	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.21	2.43	U
96-18-4	1,2,3-Trichloropropane	ND	1.21	2.43	U



ANALYSIS DATA SHEET
EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-28
Lab Sample ID: 1601734-01
Project: 255 East 138th Street
Work Order: 1601734

Date Sampled:	09/09/16 09:30	Prep Date:	09/09/16 20:19	Matrix:	Soil
Percent Solids:	85.30	Prep Method:	EPA 5035A	File ID:	A9415.D
Prep Batch:	B610921	Sequence:	S610913	Analyzed:	09/09/16 20:19
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
103-65-1	n-Propyl Benzene	ND	1.21	2.43	U
108-86-1	Bromobenzene	ND	1.21	2.43	U
108-67-8	1,3,5-Trimethylbenzene	ND	1.21	2.43	U
95-49-8	2-Chlorotoluene	ND	1.21	2.43	U
106-43-4	4-Chlorotoluene	ND	1.21	2.43	U
98-06-6	tert-Butylbenzene	ND	1.21	2.43	U
95-63-6	1,2,4-Trimethylbenzene	ND	1.21	2.43	U
135-98-8	sec-Butylbenzene	ND	1.21	2.43	U
99-87-6	p-Isopropyltoluene	ND	1.21	2.43	U
541-73-1	1,3-Dichlorobenzene	ND	1.21	2.43	U
106-46-7	1,4-Dichlorobenzene	ND	1.21	2.43	U
104-51-8	n-Butyl Benzene	ND	1.21	2.43	U
95-50-1	1,2-Dichlorobenzene	ND	1.21	2.43	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.21	2.43	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.21	2.43	U
87-68-3	Hexachlorobutadiene	ND	1.21	2.43	U
87-61-6	1,2,3-Trichlorobenzene	ND	1.21	2.43	U

Surrogate	% Recovery	Recovery Limits
1,2-Dichloroethane-d4	109%	70-130
Toluene-d8	97%	70-130
Bromofluorobenzene	86%	70-130

* Values outside of QC limits
 ND - Indicates compound analyzed for but not detected
 U - Indicates compound analyzed for but not detected
 J - Indicates estimated value for TICs and all results when detected below the RL
 B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard
 D - Indicates result is based on a dilution
 P - Greater than 25% diff. between 2 GC columns.
 MDL - Minimum detection limit
 RL - Reporting limit



ANALYSIS DATA SHEET
EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-28
Lab Sample ID: 1601734-01
Project: 255 East 138th Street
Work Order: 1601734

Date Sampled:	09/09/16 09:30	Prep Date:	09/12/16 05:32	Matrix:	Soil
Percent Solids:	85.30	Prep Method:	EPA 3550B GCMS	File ID:	F14250.D
Prep Batch:	B611201	Sequence:	S611207	Analyzed:	09/12/16 18:09
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
62-75-9	N-Nitrosodimethylamine	ND	39.0	196	U
108-95-2	Phenol	ND	39.0	196	U
111-44-4	bis(2-chloroethyl)ether	ND	39.0	196	U
95-57-8	2-Chlorophenol	ND	39.0	196	U
541-73-1	1,3-Dichlorobenzene	ND	39.0	196	U
106-46-7	1,4-Dichlorobenzene	ND	39.0	196	U
100-51-6	Benzyl alcohol	ND	39.0	196	U
95-50-1	1,2-Dichlorobenzene	ND	39.0	196	U
95-48-7	2-Methylphenol	ND	39.0	196	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	39.0	196	U
106-44-5	3 & 4-Methylphenol	ND	39.0	196	U
621-64-7	N-Nitroso-di-n-propylamine	ND	39.0	196	U
67-72-1	Hexachloroethane	ND	39.0	196	U
98-95-3	Nitrobenzene	ND	39.0	196	U
78-59-1	Isophorone	ND	39.0	196	U
88-75-5	2-Nitrophenol	ND	39.0	196	U
105-67-9	2,4-Dimethylphenol	ND	39.0	196	U
65-85-0	Benzoic acid	ND U.S	97.3	390	U
111-91-1	bis(2-chloroethoxy)methane	ND	39.0	196	U
120-83-2	2,4-Dichlorophenol	ND	39.0	196	U
120-82-1	1,2,4-Trichlorobenzene	ND	39.0	196	U
91-20-3	Naphthalene	ND	39.0	196	U
106-47-8	4-Chloroaniline	ND U.S	39.0	196	U
87-68-3	Hexachlorobutadiene	ND	39.0	196	U
59-50-7	4-Chloro-3-methylphenol	ND	39.0	196	U



ANALYSIS DATA SHEET
EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-28
Lab Sample ID: 1601734-01
Project: 255 East 138th Street
Work Order: 1601734

Date Sampled:	09/09/16 09:30	Prep Date:	09/12/16 05:32	Matrix:	Soil
Percent Solids:	85.30	Prep Method:	EPA 3550B GCMS	File ID:	F14250.D
Prep Batch:	B611201	Sequence:	S611207	Analyzed:	09/12/16 18:09
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
91-57-6	2-Methylnaphthylene	ND	39.0	196	U
77-47-4	Hexachlorocyclopentadiene	ND	39.0	196	U
88-06-2	2,4,6-Trichlorophenol	ND	39.0	196	U
95-95-4	2,4,5-Trichlorophenol	ND	39.0	196	U
91-58-7	2-Chloronaphthalene	ND	39.0	196	U
88-74-4	2-Nitroaniline	ND	39.0	196	U
131-11-3	Dimethylphthalate	ND	39.0	196	U
208-96-8	Acenaphthylene	ND	39.0	196	U
99-09-2	3-Nitroaniline	ND	39.0	196	U
83-32-9	Acenaphthene	ND	39.0	196	U
51-28-5	2,4-Dinitrophenol	ND	39.0	390	U
100-02-7	4-Nitrophenol	ND	39.0	196	U
132-64-9	Dibenzofuran	ND	39.0	196	U
606-20-2	2,6-Dinitrotoluene	ND	39.0	196	U
121-14-2	2,4-Dinitrotoluene	ND	39.0	196	U
84-66-2	Diethyl phthalate	ND	39.0	196	U
7005-72-3	4-Chlorophenyl-phenylether	ND	39.0	196	U
86-73-7	Fluorene	ND	39.0	196	U
100-01-6	4-Nitroaniline	ND	39.0	196	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	39.0	196	U
86-30-6	N-Nitrosodiphenylamine	ND	39.0	196	U
101-55-3	4-Bromophenyl-phenylether	ND	39.0	196	U
118-74-1	Hexachlorobenzene	ND	39.0	196	U
87-86-5	Pentachlorophenol	ND	39.0	196	U
85-01-8	Phenanthrene	ND	39.0	196	U



ANALYSIS DATA SHEET
EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-28
Lab Sample ID: 1601734-01
Project: 255 East 138th Street
Work Order: 1601734

Date Sampled:	09/09/16 09:30	Prep Date:	09/12/16 05:32	Matrix:	Soil
Percent Solids:	85.30	Prep Method:	EPA 3550B GCMS	File ID:	F14250.D
Prep Batch:	B61201	Sequence:	S61207	Analyzed:	09/12/16 18:09
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
120-12-7	Anthracene	ND	39.0	196	U
84-74-2	Di-n-butyl phthalate	ND	39.0	196	U
206-44-0	Fluoranthene	ND	39.0	196	U
129-00-0	Pyrene	ND	39.0	196	U
85-68-7	Butylbenzylphthalate	ND	39.0	196	U
91-94-1	3,3'-Dichlorobenzidine	ND	97.3	196	U
56-55-3	Benzo[a]anthracene	ND	39.0	196	U
117-81-7	bis(2-ethylhexyl)phthalate	ND	39.0	196	U
218-01-9	Chrysene	ND	39.0	196	U
117-84-0	Di-n-octyl phthalate	ND	39.0	196	U
205-99-2	Benzo[b]fluoranthene	ND	39.0	196	U
207-08-9	Benzo[k]fluoranthene	ND	39.0	196	U
50-32-8	Benzo[a]pyrene	ND	39.0	196	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	39.0	196	U
53-70-3	Dibenzo(a,h)anthracene	ND	39.0	196	U
191-24-2	Benzo[ghi]perylene	ND	39.0	196	U

<u>Surrogate</u>	<u>% Recovery</u>	<u>Recovery Limits</u>
2-Fluorophenol	73%	30-130
Phenol-d5	73%	30-130
Nitrobenzene-d5	77%	30-130
2-Fluorobiphenyl	68%	30-130
2,4,6-Tribromophenol	75%	30-130
Terphenyl-d14	102%	30-130



ANALYSIS DATA SHEET

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-28
Lab Sample ID: 1601734-01
Project: 255 East 138th Street
Work Order: 1601734

Date Sampled:	09/09/16 09:30	Prep Date:	09/12/16 05:36	Matrix:	Soil
Percent Solids:	85.30	Prep Method:	EPA 3550B	File ID:	A23055.D
Prep Batch:	B611202	Sequence:	S611205	Analyzed:	09/12/16 14:30
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
319-84-6	alpha-BHC	ND	0.774	0.774	U
319-85-7	beta-BHC	ND	0.774	0.774	U
319-86-8	delta-BHC	ND	0.774	0.774	U
58-89-9	gamma-BHC [Lindane]	ND	0.774	0.774	U
76-44-8	Heptachlor	ND	0.774	0.774	U
309-00-2	Aldrin	ND	0.774	0.774	U
1024-57-3	Heptachlor Epoxide	ND	0.774	0.774	U
959-98-8	Endosulfan I	ND	0.774	0.774	U
60-57-1	Dieldrin	ND	1.56	1.56	U
72-55-9	4,4'-DDE	ND	1.56	1.56	U
72-20-8	Endrin	ND	1.56	1.56	U
33213-65-9	Endosulfan II	ND	1.56	1.56	U
72-54-8	4,4'-DDD	ND	1.56	1.56	U
1031-07-8	Endosulfan sulfate	ND	1.56	1.56	U
50-29-3	4,4'-DDT	ND	1.56	1.56	U
72-43-5	Methoxychlor	ND	2.34	7.81	U
53494-70-5	Endrin ketone	ND	1.56	1.56	U
7421-93-4	Endrin aldehyde	ND	1.56	1.56	U
5103-71-9	alpha-Chlordane	ND	0.774	0.774	U
5566-34-7	gamma-Chlordane	ND	0.774	0.774	U
8001-35-2	Toxaphene	ND	39.0	39.0	U
12674-11-2	Aroclor-1016	ND	19.5	39.0	U



ANALYSIS DATA SHEET

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-28
Lab Sample ID: 1601734-01
Project: 255 East 138th Street
Work Order: 1601734

Date Sampled:	09/09/16 09:30	Prep Date:	09/12/16 05:36	Matrix:	Soil
Percent Solids:	85.30	Prep Method:	EPA 3550B	File ID:	A23055.D
Prep Batch:	B611202	Sequence:	S611205	Analyzed:	09/12/16 14:30
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
11104-28-2	Aroclor-1221	ND	19.5	39.0	U
11141-16-5	Aroclor-1232	ND	19.5	39.0	U
53469-21-9	Aroclor-1242	ND	19.5	39.0	U
12672-29-6	Aroclor-1248	ND	19.5	39.0	U
11097-69-1	Aroclor-1254	ND	19.5	39.0	U
11096-82-5	Aroclor-1260	ND	19.5	39.0	U
37324-23-5	Aroclor-1262	ND	19.5	39.0	U
11100-14-4	Aroclor-1268	ND	19.5	39.0	U

<u>Surrogate</u>	<u>% Recovery</u>	<u>Recovery Limits</u>
Tetrachloro-m-xylene	73.3%	30-150
Tetrachloro-m-xylene [2C]	84.5%	30-150
Decachlorobiphenyl	91.0%	30-150
Decachlorobiphenyl [2C]	99.0%	30-150

* Values outside of QC limits

ND - Indicates compound analyzed for but not detected

U - Indicates compound analyzed for but not detected

J - Indicates estimated value for TICs and all results when detected below the RL

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.

MDL - Minimum detection limit

RL - Reporting limit



ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-28
Lab Sample ID: 1601734-01
Project: 255 East 138th Street
Work Order: 1601734

Date Sampled: 09/09/16 09:30	Matrix: Soil
Percent Solids: 85.30	File ID: 091316B-017

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
7429-90-5	Aluminum	11500	19.3	19.3	1		09/12/16 09:18	EPA 3050B	09/13/16 16:58 LIT	EPA 6010
7439-97-6	Mercury	ND	0.0879	0.0879	1	U	09/12/16 08:53	EPA 7471A	09/12/16 14:22 PRT	EPA 7471
7440-36-0	Antimony	ND	3.87	3.87	1	U	09/12/16 09:18	EPA 3050B	09/13/16 16:58 LIT	EPA 6010
7440-38-2	Arsenic	2.32	0.967	0.967	1		09/12/16 09:18	EPA 3050B	09/13/16 16:58 LIT	EPA 6010
7440-39-3	Barium	57.3	19.3	19.3	1		09/12/16 09:18	EPA 3050B	09/13/16 16:58 LIT	EPA 6010
7440-41-7	Beryllium	ND	0.484	0.484	1	U	09/12/16 09:18	EPA 3050B	09/13/16 16:58 LIT	EPA 6010
7440-43-9	Cadmium	0.667	0.484	0.484	1		09/12/16 09:18	EPA 3050B	09/13/16 16:58 LIT	EPA 6010
7440-70-2	Calcium	4100	24.2	24.2	1		09/12/16 09:18	EPA 3050B	09/13/16 16:58 LIT	EPA 6010
7440-47-3	Chromium	22.8	1.93	1.93	1		09/12/16 09:18	EPA 3050B	09/13/16 16:58 LIT	EPA 6010
7440-48-4	Cobalt	9.35	4.84	4.84	1		09/12/16 09:18	EPA 3050B	09/13/16 16:58 LIT	EPA 6010
7440-50-8	Copper	17.8	2.90	2.90	1		09/12/16 09:18	EPA 3050B	09/13/16 16:58 LIT	EPA 6010
7439-89-6	Iron	18800 J	24.2	24.2	1		09/12/16 09:18	EPA 3050B	09/13/16 16:58 LIT	EPA 6010
7439-92-1	Lead	13.0 J	0.967	0.967	1		09/12/16 09:18	EPA 3050B	09/13/16 16:58 LIT	EPA 6010
7439-95-4	Magnesium	7030	48.4	48.4	1		09/12/16 09:18	EPA 3050B	09/13/16 16:58 LIT	EPA 6010
7439-96-5	Manganese	557	1.93	1.93	1		09/12/16 09:18	EPA 3050B	09/13/16 16:58 LIT	EPA 6010
7440-02-0	Nickel	15.8	3.87	3.87	1		09/12/16 09:18	EPA 3050B	09/13/16 16:58 LIT	EPA 6010
7440-09-7	Potassium	1840	48.4	48.4	1		09/12/16 09:18	EPA 3050B	09/13/16 16:58 LIT	EPA 6010
7782-49-2	Selenium	ND	3.87	3.87	1	U	09/12/16 09:18	EPA 3050B	09/13/16 16:58 LIT	EPA 6010
7440-22-4	Silver	ND	0.484	0.484	1	U	09/12/16 09:18	EPA 3050B	09/13/16 16:58 LIT	EPA 6010
7440-23-5	Sodium	166	48.4	48.4	1		09/12/16 09:18	EPA 3050B	09/13/16 16:58 LIT	EPA 6010
7440-28-0	Thallium	ND	1.45	2.90	1	U	09/12/16 09:18	EPA 3050B	09/13/16 16:58 LIT	EPA 6010
7440-62-2	Vanadium	31.6	4.84	4.84	1		09/12/16 09:18	EPA 3050B	09/13/16 16:58 LIT	EPA 6010
7440-66-6	Zinc	46.1 J	5.80	5.80	1		09/12/16 09:18	EPA 3050B	09/13/16 16:58 LIT	EPA 6010

* Values outside of QC limits
 ND - Indicates compound analyzed for but not detected
 U - Indicates compound analyzed for but not detected
 J - Indicates estimated value for TICs and all results when detected below the RL
 B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard
 D - Indicates result is based on a dilution
 P - Greater than 25% diff. between 2 GC columns.
 MDL - Minimum detection limit
 RL - Reporting limit

mwp 10/28/16



ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-28
Lab Sample ID: 1601734-01
Project: 255 East 138th Street
Work Order: 1601734

Date Sampled: 09/09/16 09:30	Matrix: Soil
Percent Solids: 85.30	File ID:

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
16065-83-1	Trivalent Chromium	22.8	1.65	1.65	1		09/12/16 09:31	[CALC]	09/13/16 16:58 NNM	[CALC]
1854-02-99	Chromium, Hexava	ND	2.34	2.34	1	U	09/12/16 09:31	SW 846 3060A	09/12/16 17:08 NNM	EPA 7196A
NA	Cyanide (total)	ND	1.17	1.17	1	U	09/12/16 09:24	EPA 9010C	09/12/16 15:07 NNM	EPA 9014

CAS NO.	Analyte	Concentration (%)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
NA	Percent Solids	85.3	0.100	0.100	1		09/09/16 16:18	Percent Solids	09/12/16 09:37 KMC	SM 2540 G

* Values outside of QC limits

ND - Indicates compound analyzed for but not detected

U - Indicates compound analyzed for but not detected

J - Indicates estimated value for TICs and all results when detected below the RL

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.

MDL - Minimum detection limit

RL - Reporting limit

Appendix B

*Laboratory
QC
Documentation*



INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8260

Client: **BRINKERHOFF ENVIRONMENTAL**
 Work Order: **1601734**
 Project: **255 East 138th Street**

Calibration: 16H2903	Instrument: GC/MS A
	Calibration Date: 8/29/2016 7:56:55PM

COMPOUND	Mean RF	RF RSD	LIMIT	Q
Acrolein	5.094183E-02	5.902873		
Acrylonitrile	0.1167273	3.778378		
Acetone	0.1747694	41.54276		
Dichlorodifluoromethane	0.3620657	13.06906		
Chloromethane	0.6446193	7.262679	SPCC (0.1)	
Vinyl chloride	0.6338856	7.791452	CCC (20)	
Bromomethane	0.4973511	6.110204		
Chloroethane	0.2364184	7.428701		
Trichlorofluoromethane	0.6040865	8.703495		
Freon 113	0.5460094	4.513852		
1,1-Dichloroethene	0.8821578	4.055756	CCC (20)	
Carbon disulfide	2.237789	5.996131		
Methyl Acetate	0.2835279	13.47158		
Methylene Chloride	1.877848	96.62287		
trans-1,2-Dichloroethene	0.8991449	6.440984		
1,1-Dichloroethane	1.058622	6.387356	SPCC (0.1)	
Vinyl acetate	0.9809122	4.721133		
2,2-Dichloropropane	0.8359179	3.248966		
2-Butanone	0.1839178	13.22088		
cis-1,2-Dichloroethene	0.8114303	6.048788		
Chloroform	1.02525	3.40079	CCC (20)	
Bromochloromethane	0.3642218	7.373368		
Cyclohexane	0.9915085	4.912063		
1,1,1-Trichloroethane	0.8164359	3.315326		
t-Butyl alcohol	2.729559E-02	4.03008		



CONTINUING CALIBRATION VERIFICATION

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
 Work Order: 1601734
 Project: 255 East 138th Street
 Instrument ID: GC/MS A
 Lab File ID: A9400.D
 Sequence: S610913
 Lab Sample ID: S610913-CCV1

Calibration: 16H2903
 Calibration Date: 08/29/16 19:56
 Injection Date: 09/09/16
 Injection Time: 12:08

COMPOUND	TYPE	CONC. (ug/L)		RESPONSE FACTOR			% DIFF	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acrolein	A	250	208	5.094183E-02	4.233541E-02		-16.9	
Acrylonitrile	A	250	232	0.1167273	0.1081992		-7.3	
Acetone	L	50.0	54.6	0.1747694	0.1441788		-17.5	
Dichlorodifluoromethane	A	50.0	66.6	0.3620657	0.4821573		33.2	
Chloromethane	A	50.0	58.4	0.6446193	0.7531789	0.1	16.8	
Vinyl chloride	A	50.0	60.0	0.6338856	0.7611953		20.1	20 *
Bromomethane	A	50.0	56.7	0.4973511	0.5638038		13.4	
Chloroethane	A	50.0	55.2	0.2364184	0.2610373		10.4	
Trichlorofluoromethane	A	50.0	60.3	0.6040865	0.7287409		20.6	
Freon 113	A	50.0	44.6	0.5460094	0.4865095		-10.9	
1,1-Dichloroethene	A	50.0	43.8	0.8821578	0.773018		-12.4	20
Carbon disulfide	A	50.0	40.1	2.237789	1.79611		-19.7	
Methyl Acetate	A	50.0	40.5	0.2835279	0.2294295		-19.1	
Methylene Chloride	L	50.0	42.1	1.877848	0.84301		-55.1	
trans-1,2-Dichloroethene	A	50.0	48.1	0.8991449	0.8646982		-3.8	
1,1-Dichloroethane	A	50.0	46.6	1.058622	0.9876006	0.1	-6.7	
Vinyl acetate	A	50.0	48.4	0.9809122	0.950518		-3.1	
2,2-Dichloropropane	A	50.0	51.4	0.8359179	0.8591786		2.8	
2-Butanone	A	50.0	50.1	0.1839178	0.1841485		0.1	
cis-1,2-Dichloroethene	A	50.0	49.8	0.8114303	0.8078582		-0.4	
Chloroform	A	50.0	50.9	1.02525	1.043302		1.8	20
Bromochloromethane	A	50.0	49.8	0.3642218	0.3626879		-0.4	
Cyclohexane	A	50.0	44.0	0.9915085	0.8732652		-11.9	



LCS / LCS DUPLICATE RECOVERY

EPA 8270

Client: **BRINKERHOFF ENVIRONMENTAL**
 Project: **255 East 138th Street**
 Work Order: **1601734**

Matrix:	Solid	Prep Method:	EPA 3550B GCMS
Prep Batch:	B611201	Lab Sample ID:	B611201-BS1

ANALYTE	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC.	QC LIMITS REC.
Pyridine	1670	1140	69	20 - 160
N-Nitrosodimethylamine	1670	1470	88	20 - 160
Aniline	1670	1410	85	20 - 160
Phenol	1670	1580	95	20 - 160
bis(2-chloroethyl)ether	1670	1500	90	70 - 130
2-Chlorophenol	1670	1530	92	70 - 130
1,3-Dichlorobenzene	1670	1350	81	70 - 130
1,4-Dichlorobenzene	1670	1350	81	70 - 130
Benzyl alcohol	1670	1500	90	20 - 160
1,2-Dichlorobenzene	1670	1370	82	70 - 130
2-Methylphenol	1670	1520	91	20 - 160
bis(2-chloroisopropyl)ether	1670	1510	91	70 - 130
3 & 4-Methylphenol	1670	1560	93	20 - 160
N-Nitroso-di-n-propylamine	1670	1480	88	70 - 130
Hexachloroethane	1670	1410	85	20 - 160
Nitrobenzene	1670	1420	85	70 - 130
Isophorone	1670	1430	86	70 - 130
2-Nitrophenol	1670	1400	84	70 - 130
2,4-Dimethylphenol	1670	1400	84	70 - 130
bis(2-chloroethoxy)methane	1670	1440	86	70 - 130
2,4-Dichlorophenol	1670	1400	84	70 - 130
1,2,4-Trichlorobenzene	1670	1280	77	70 - 130
Naphthalene	1670	1340	80	70 - 130
4-Chloroaniline	1670	1010	60*	70 - 130
Hexachlorobutadiene	1670	1200	72	70 - 130
4-Chloro-3-methylphenol	1670	1460	88	70 - 130
2-Methylnaphthylene	1670	1360	82	70 - 130
Hexachlorocyclopentadiene	1670	1100	66	20 - 160



CONTINUING CALIBRATION VERIFICATION

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
 Work Order: 1601734
 Project: 255 East 138th Street
 Instrument ID: GC/MS F
 Lab File ID: F14244.D
 Sequence: S611207
 Lab Sample ID: S611207-CCV1

Calibration: 16H2202
 Calibration Date: 08/15/16 15:46
 Injection Date: 09/12/16
 Injection Time: 13:31

COMPOUND	TYPE	CONC. (mg/L)		RESPONSE FACTOR			% DIFF	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Pyridine	A	50.0	60.5	0.8886553	1.074506		20.9	
N-Nitrosodimethylamine	A	50.0	60.0	0.6059328	0.7276767		20.1	
Benzaldehyde	A	50.0	46.2	0.1877297	0.173398		-7.6	
Aniline	A	50.0	51.8	2.01292	2.087517		3.7	
Phenol	A	50.0	52.6	1.710699	1.798847		5.2	20
bis(2-chloroethyl)ether	A	50.0	52.5	1.45391	1.526849		5.0	
2-Chlorophenol	A	50.0	50.6	1.440342	1.456705		1.1	
1,3-Dichlorobenzene	A	50.0	47.9	1.547319	1.48174		-4.2	
1,4-Dichlorobenzene	A	50.0	48.2	1.604884	1.545461		-3.7	20
Benzyl alcohol	A	50.0	51.7	1.121277	1.159718		3.4	
1,2-Dichlorobenzene	A	50.0	48.3	1.531773	1.480237		-3.4	
2-Methylphenol	A	50.0	51.1	1.315402	1.344663		2.2	
bis(2-chloroisopropyl)ether	A	50.0	54.6	1.557541	1.699652		9.1	
Acetophenone	A	50.0	48.7	1.896367	1.848172		-2.5	
3 & 4-Methylphenol	A	50.0	51.0	1.416771	1.445424		2.0	
N-Nitroso-di-n-propylamine	A	50.0	51.7	1.035407	1.070495	0.05	3.4	
Hexachloroethane	A	50.0	49.9	0.6304627	0.6289762		-0.2	
Nitrobenzene	A	50.0	50.5	0.3433064	0.3470392		1.1	
Isophorone	A	50.0	50.5	0.7453566	0.7529069		1.0	
2-Nitrophenol	A	50.0	50.4	0.2295834	0.2314081		0.8	20
2,4-Dimethylphenol	A	50.0	49.5	0.3583662	0.3546622		-1.0	
Benzoic acid	L	50.0	11.8	0.1636113	2.471404E-02		-84.9	
bis(2-chloroethoxy)methane	A	50.0	51.5	0.4552118	0.4689019		3.0	



SERIAL DILUTION

EPA 6010

Laboratory:	Accredited Analytical Resources LLC	Work Order:	1601734
Client:	BRINKERHOFF ENVIRONMENTAL	Project:	255 East 138th Street
Matrix:	Solid	Laboratory ID:	S611307-SRD1
Sequence:	S611307	Source:	ZZZZZZ

Analyte	Initial Sample Result (I)	Serial Dilution Result (S)	% Difference	Q	QC Limits % Difference
Lead	21.4	24.3	12.7	*	10.00
Antimony	ND	ND	N/A		10.00
Arsenic	10.7	11.1	4.32		10.00
Barium	102	ND	N/A		10.00
Beryllium	0.977	ND	N/A		10.00
Cadmium	0.861	ND	N/A		10.00
Calcium	1270	1390	8.72		10.00
Chromium	27.4	28.9	5.28		10.00
Cobalt	11.4	ND	N/A		10.00
Aluminum	15900	16300	2.59		10.00
Iron	25000	28900	14.7	*	10.00
Zinc	48.9	59.3	19.2	*	10.00
Magnesium	4680	4950	5.61		10.00
Manganese	513	555	7.85		10.00
Nickel	18.5	ND	N/A		10.00
Potassium	1840	1900	3.08		10.00
Selenium	ND	ND	N/A		10.00
Silver	ND	ND	N/A		10.00
Sodium	84.6	ND	N/A		10.00
Thallium	ND	ND	N/A		10.00
Vanadium	48.6	50.9	4.67		10.00
Copper	27.9	30.2	7.84		10.00

* Values outside of QC limits

Appendix C

Validator Qualifications

KENNETH R. APPLIN
Geochemist/Data Validator

Ph.D., Geochemistry and Mineralogy, The Pennsylvania State University

M.S., Geochemistry and Mineralogy, The Pennsylvania State University

B.A., Geological Sciences, SUNY at Geneseo, NY

Dr. Applin has over 35 years of experience working with the geochemistry of natural waters. His prior experience includes working as an Assistant Professor of Geology at the University of Missouri-Columbia and as Chief Hydrogeologist and Geochemist with a leading engineering firm in Rochester, NY. In 1993, he established KR Applin and Associates, a small consulting business that focuses on the geochemistry of natural waters, especially as applied to problems involving the contamination of groundwater and surface water.

Dr. Applin is also an experienced analytical data validator and has provided data validation services since 1994 to a variety of clients performing brownfield cleanup projects, hazardous waste remediation, groundwater monitoring at solid waste facilities, and other projects requiring third-party data validation. Dr. Applin has several years of hands-on experience with the laboratory analysis of natural waters and has successfully completed the USEPA Region II certification courses for performing inorganic and organic analytical data validation.

MICHAEL K. PERRY
Chemist/Data Validator

B.S. Chemistry, Georgia State University, Atlanta, GA

A.A.S., Chemical Technology, Alfred State College, Alfred, NY

Mr. Perry has over 30 years of experience in the analytical laboratory business. During his early career, he spent several years as a laboratory analyst performing the analysis of soil, water, and air samples for inorganic and organic chemical parameters. During his last 20 years in the environmental laboratory business, he managed and directed two major analytical laboratories in Rochester, NY. His management responsibilities included oversight of the daily operations of the lab, staff training and supervision, the selection, purchase, and maintenance of analytical instruments, the introduction of new laboratory methods, analytical quality assurance and quality control, data acquisition and management, and other business-related activities.

Mr. Perry has an extensive working knowledge of the methods and procedures used for sampling and analyzing both inorganic and organic analytes in soil, water, and air. He is an accomplished laboratory chemist and is familiar with the analytical methods and procedures established under the USEPA Contract Laboratory Protocols (CLP), the NYSDEC Analytical Services Protocols (ASP), and the NYSDOH Environmental Laboratory Approval Program (ELAP).

DATA USABILITY SUMMARY REPORT (DUSR)

**Former G & C Services
255 East 138th Street
Bronx, NY
NYSDEC BCP # C203057**

SDG: 1601751
2 Soil Samples

Prepared for:

**Brinkerhoff Environmental Services, Inc.
1805 Atlantic Avenue
Manasquan, NJ 08736**

October 2016



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Summaries of Validated Results

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REVIEWER'S NARRATIVE
SDG 1601751

The data associated with this Sample Delivery Group (SDG) 1601751, analyzed by Accredited Analytical Resources, LLC. Carteret, NJ have been reviewed in accordance with assessment criteria provided by the New York State Department of Environmental Conservation following the review procedures provided in the USEPA Functional Guidelines for evaluating organic and inorganic data.

All analytical results reported by the laboratory are considered valid and acceptable except results that have been qualified as rejected, "R". Results qualified as estimated "J", or as non-detects, "U", are considered usable for the purpose of evaluating water and/or soil quality. However, these qualifiers indicate that the accuracy and/or precision of the analytical result is questionable. A summary of all data that have been qualified and the reasons for qualification are provided in the following data usability summary report (DUSR).

Two facts should be noted by all data users. First, the "R" qualifier means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the analyte is present or not. Values qualified with an "R" should not appear on the final data tables because they cannot be relied upon, even as the last resort. Second, no analyte concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error.

Reviewer's Signature: Michael K. Perry Date: 10/28/16
Michael K. Perry
Chemist

1.0 SUMMARY

SITE:	255 East 138 th Street. Bronx, NY
SAMPLING DATE:	September 13, 2016
SAMPLE TYPE:	2 soil samples
LABORATORY:	Accredited Analytical Resources, LLC. Carteret, NJ
SDG No.:	1601751

2.0 INTRODUCTION

This data usability summary report (DUSR) was prepared in accordance with guidance provided by the New York State Department of Environmental Conservation (NYSDEC). The DUSR is based on a review and evaluation of the laboratory analytical data package. Specifically, the NYSDEC guidance recommends review and evaluation of the following elements of the data package:

- Completeness of the data package as defined under the requirements of the NYSDEC Analytical Services Protocols (ASP) Category B or the United States Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) deliverables,
- Compliance with established analyte holding times,
- Adherence to quality control (QC) limits and specifications for blanks, instrument tuning and calibration, surrogate recoveries, spike recoveries, laboratory duplicate analyses, and other QC criteria,
- Adherence to established analytical protocols,
- Conformance of data summary sheets with raw analytical data, and
- Use of correct data qualifiers.

Data deficiencies, analytical protocol deviations, and quality control problems identified using the review criteria above and their effect on the analytical results are discussed in this report.

3.0 SAMPLE AND ANALYSIS SUMMARY

The data package consists of analytical results for two soil samples collected on September 13, 2016. These samples were analyzed for volatile organic compounds, semi-volatile organic compounds, pesticides, polychlorinated biphenyls (PCBs), TAL metals, hexavalent chromium, and total cyanide.

All laboratory analyses were performed by Accredited Analytical Resources, LLC., Carteret, NJ and analyzed as SDG 1601751. The analytical results were provided in NYSDEC ASP Category B format, which includes all raw analytical data and laboratory QC data.

4.0 GUIDANCE DOCUMENTS AND DATA REVIEW CRITERIA

The guidance documents used for reviewing laboratory quality control (QC) data and assigning data qualifiers (flags) to analytical results are listed in Table 4-1. The QC limits established in the documents applicable to this data review were used to assess the quality of the analytical results. In some cases, however, QC limits established internally by the laboratory were taken into account to determine data quality.

The QC criteria considered for assessing the usability of the reported analytical results provided for each analyte type (i.e. VOCs, SVOCs, metals, etc.) are listed in Table 4-2. These criteria may vary with the analytical method utilized by the laboratory. These criteria comply with the guidance recommended in Section 2.0 above.

5.0 DATA VALIDATION QUALIFIERS

The letter qualifiers (flags) used to define data usability are described briefly below. These letters are assigned by the data validator to analytical results having questionable accuracy and/or precision as determined by reviewing the laboratory QC data associated with the analytical results.

TABLE 4-1**DATA VALIDATION GUIDANCE DOCUMENTS**

Analyte Type	Validation Guidance
VOCs	USEPA, 2008, Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry; SW-846 Method 8260B; SOP # HW-24, Rev. 2. USEPA, 2008, Statement of Work for Organic Analysis of Low/Medium Concentration of Volatile Organic Compounds SOM01.2; SOP HW-33, Rev. 2.
SVOCs	USEPA, 2007, Statement of Work for Organic Analysis of Low/Medium Concentration of Semivolatile Organic Compounds SOM01.2; SOP HW-35, Rev. 1.
Pesticides/PCBs	USEPA, 2006, CLP Organics Data Review and Preliminary Review (CLP/SOW OLMO 4.3); SOP # HW-6, Rev. 14, Part C.
Metals	USEPA, 2006, Validation of Metals for the Contract Laboratory Program (CLP) based on SOW ILMO 5.3 (SOP Revision 13), SOP # HW-2, Rev. 13.
Gen Chemistry	NYSDEC, 2005, Analytical Services Protocols (ASP)
VOCs (Ambient air)	USEPA, 2006, Validating Air Samples, Volatile Organic Analysis of Ambient Air in Canister by Method TO-15; SOP # HW-31, Rev. 4.

TABLE 4-2

**QUALITY CONTROL CRITERIA USED FOR VALIDATING
LABORATORY ANALYTICAL DATA**

VOCs	SVOCs	Pesticides/PCBs	Metals	Gen Chemistry	Method TO-15
Completeness of Pkg Sample Condition Holding Time System Monitoring Compounds Lab Control Sample Matrix Spikes Blanks Instrument Tuning Internal Standards Initial Calibration Continuing Calibration Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Time Surrogate Recoveries Lab Control Sample Matrix Spikes Blanks Instrument Tuning Internal Standards Initial Calibration Continuing Calibration Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Time Surrogate Recoveries Matrix Spikes Blanks Instrument Calibration & Verification Analyte ID Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Time Initial/Continuing Calibration CRDL Standards Blanks Interference Check Sample Spike Recoveries Lab Duplicate Lab Control Sample ICP Serial Dilutions Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Times Calibration Lab Control Samples Blanks Spike Recoveries Lab Duplicates	Completeness of Pkg Sample Condition Holding Time Canister Certification Lab Control Sample Instrument Tuning Blanks Initial Calibration & System Performance Daily Calibration Field Duplicate

The laboratory may also use various letters and symbols to flag analytical results generated when QC limits were exceeded. The meanings of these flags may differ from those used by the independent data validator. Those used by the laboratory are provided with the analytical results.

NOTE: The assignment of data qualifiers by the data reviewer (validator) to laboratory analytical results should not necessarily be interpreted by the data user as a measure of laboratory ability or proficiency. Rather, the qualifiers are intended to provide a measure of data accuracy and precision to the data user, which, for example, may provide a level of confidence in determining whether or not standards or cleanup objectives have been met.

- U** The analyte was analyzed for but was not detected at or above the sample quantitation limit.
- J** The analyte was positively identified; the associated numerical value is the *approximate* concentration of the analyte in the sample. (The magnitude of any \pm value associated with the result is not determined by data validation).
- UJ** The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is *approximate* and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R** The sample result is rejected (i.e., is unusable) due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
- N** The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
- JN** The analyte is considered to be "presumptively present." The associated numerical value represents its *approximate* concentration.

The validated analytical results are attached to this report. Validation qualifiers (flags) are indicated using red ink. Data sheets having qualified data are signed and dated by the data reviewer.

6.0 RESULTS OF THE DATA REVIEW

The results of the data review are summarized in Tables 6-1 through 6-6. The tables list the samples where QC criteria were found to exceed acceptable limits and the actions taken to qualify the associated analytical results.

7.0 TOTAL USABLE DATA

For SDG 1601751, two samples were analyzed and results were reported for 382 analytes. Even though some results were flagged with a "J" as estimated, all results (100 %) are considered usable. See the summary table for the analyses that have been rejected and the associated QC reasons.

Table 6-1 **VOCs**

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
EP-29 EP-30	Methylene Chloride	J all data 10X MB value	Detected in the method blank	No data was affected
EP-29 EP-30	Acetone Methylene Chloride	J detects	ICV RPD > 20 %	Sample detects are estimated
EP-29 EP-30	Dichlorodifluoromethane Trichlorofluoromethane Methylene Chloride	UJ non-detects J detects	CCV % D > 20 %	Samples are estimated

Table 6-2 **SVOCs**

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
EP-29	Surr.: 2,4,6-Tribromophenol	none	rec < 30 % QC limit	Other phenolic surr. within QC limits
EP-29 EP-30	1,4-Dichlorobenzene 1,2,4-Trichlorobenzene 4-Chloroaniline Hexachlorobutadiene 4,6-Dinitro-2-methylphenol	"UJ"	LCS < 70 % QC limit	All samples non-detect
EP-29 EP-30	Benzoic acid	UJ non-detects J detects	CCV > 40 %	All samples non-detect

Table 6-3 Pesticides

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

Table 6-4 PCBs

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

Table 6-5 TAL Metals

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
EP-29 EP-30	Lead Iron	J detects	Serial dilution > 10 %	Data is estimated

Table 6-6 Wet Chemistry

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

ACRONYMS

BSP	Blank Spike
CCAL	Continuing Calibration
CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification
CRDL	Contract Required Detection Limit
CRQL	Contract Required Quantitation Limit
%D	Percent Difference
ICAL	Initial Calibration
ICB	Initial Calibration Blank
IS	Internal Standard
LCS	Laboratory Control Sample
MS/MSD	Matrix Spike/Matrix Spike Duplicate
QA	Quality Assurance
QC	Quality Control
%R	Percent recovery
RPD	Relative Percent Difference
%RSD	Percent Relative Standard Deviation
TAL	Target Analyte List (metals)
TCL	Target Compound List (organics)

Appendix A

***Validated
Analytical
Results***



Accredited Analytical Resources, LLC.

ANALYTICAL REPORT

for

BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.

Manasquan, NJ 08736

Project: 255 E. 138th Street

AAR Work Order: 1601751

<u>Client Sample ID:</u>	<u>Lab Sample ID:</u>
EP-29	1601751-01
EP-30	1601751-02

This data has been reviewed and accepted by:

Daniel Miguel
Technical Director

10/17/2016

New Jersey Certification Number: 12007
New York Certification Number: 11109
Pennsylvania Certification Number: 68-02799

This report shall not be reproduced, except in its entirety, without the written consent of Accredited Analytical Resources, LLC.
The test results included in this report relate only to the samples analyzed.



Case Narrative

Conformance / Non-Conformance Summary

Accredited Analytical Resources, LLC received 2 sample(s) from BRINKERHOFF ENVIRONMENTAL (Project: 255 E. 138th Street) on 09/13/2016 14:50.

All analyses were performed within the required holding time.

In the Volatile Organic analyses, B6I1313-MS1/MSD1 had compounds recovered outside acceptance criteria due to matrix interference, the LCS was recovered within acceptance limits for all compounds; therefore, no further action required.

In the BNA analyses, the laboratory control sample (LCS) for Batch B6I1403 recovered outside control limits for multiple analytes. These analytes were recovered within the house limits; therefore, the data has been reported.

In the BNA analyses, the MS/MSD for Batch B6I1403 had compounds recovered outside acceptance criteria due to matrix interference, the LCS was recovered within acceptance limits for affected compounds; therefore, no further action required.

In the Pesticide analyses, the laboratory control sample (LCS) for Batch B6I1402 recovered outside control limits for certain analytes. These analytes were recovered within the house limits; therefore, the data has been reported.

In the Metals analysis the recoveries of the MS/MSD are outside of acceptance criteria due to matrix interference. The LCS was within acceptance criteria for those metals out in the MS/MSD. The results are included in this data package.

Except for the parameters tested AAR makes no representation as to the fitness or quality of the sample (s) taken.

"The laboratory has reviewed the quality assurance and quality control measurements for the sample analyses."

Daniel Miguel
Technical Director



ANALYSIS DATA SHEET
EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-29
Lab Sample ID: 1601751-01
Project: 255 E. 138th Street
Work Order: 1601751

Date Sampled:	09/13/16 12:10	Prep Date:	09/13/16 20:19	Matrix:	Soil
Percent Solids:	70.00	Prep Method:	EPA 5035A	File ID:	A9460.D
Prep Batch:	B611313	Sequence:	S611311	Analyzed:	09/13/16 20:19
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
107-02-8	Acrolein	ND	9.18	15.3	U
107-13-1	Acrylonitrile	ND	3.06	15.3	U
67-64-1	Acetone	91.0 J	1.53	3.06	
75-71-8	Dichlorodifluoromethane	ND	1.53	3.06	U
74-87-3	Chloromethane	ND	1.53	3.06	U
75-01-4	Vinyl chloride	ND	1.53	3.06	U
74-83-9	Bromomethane	ND	1.53	3.06	U
75-00-3	Chloroethane	ND	1.53	3.06	U
75-69-4	Trichlorofluoromethane	ND	1.53	3.06	U
75-35-4	1,1-Dichloroethene	ND	1.53	3.06	U
75-15-0	Carbon disulfide	ND	1.53	3.06	U
75-09-2	Methylene Chloride	ND UJ	1.53	3.06	U
156-60-5	trans-1,2-Dichloroethene	ND	1.53	3.06	U
75-34-3	1,1-Dichloroethane	ND	1.53	3.06	U
108-05-4	Vinyl acetate	ND	1.53	3.06	U
590-20-7	2,2-Dichloropropane	ND	1.53	3.06	U
78-93-3	2-Butanone	11.0	1.53	3.06	
156-59-4	cis-1,2-Dichloroethene	ND	1.53	3.06	U
67-66-3	Chloroform	ND	1.53	3.06	U
74-97-5	Bromochloromethane	ND	1.53	3.06	U
71-55-6	1,1,1-Trichloroethane	ND	1.53	3.06	U
563-58-6	1,1-Dichloropropene	ND	1.53	3.06	U
56-23-5	Carbon Tetrachloride	ND	1.53	3.06	U
107-06-2	1,2-Dichloroethane	ND	1.53	3.06	U
71-43-2	Benzene	ND	1.53	3.06	U



ANALYSIS DATA SHEET
EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-29
Lab Sample ID: 1601751-01
Project: 255 E. 138th Street
Work Order: 1601751

Date Sampled:	09/13/16 12:10	Prep Date:	09/13/16 20:19	Matrix:	Soil
Percent Solids:	70.00	Prep Method:	EPA 5035A	File ID:	A9460.D
Prep Batch:	B611313	Sequence:	S611311	Analyzed:	09/13/16 20:19
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
79-01-6	Trichloroethene	ND	1.53	3.06	U
78-87-5	1,2-Dichloropropane	ND	1.53	3.06	U
75-27-4	Bromodichloromethane	ND	1.53	3.06	U
74-95-3	Dibromomethane	ND	1.53	3.06	U
110-75-8	2-Chloroethyl vinyl ether	ND	1.53	3.06	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.53	3.06	U
108-88-3	Toluene	2.19	1.53	3.06	J
10061-02-6	trans-1,3-Dichloropropene	ND	1.53	3.06	U
79-00-5	1,1,2-Trichloroethane	ND	1.53	3.06	U
108-10-1	4-Methyl-2-pentanone	ND	1.53	3.06	U
106-93-4	1,2-Dibromoethane	ND	1.53	3.06	U
591-78-6	2-Hexanone	ND	1.53	3.06	U
142-28-9	1,3-Dichloropropane	ND	1.53	3.06	U
127-18-4	Tetrachloroethene	ND	1.53	3.06	U
124-48-1	Dibromochloromethane	ND	1.53	3.06	U
100-41-4	Ethylbenzene	1.99	1.53	3.06	J
108-90-7	Chlorobenzene	ND	1.53	3.06	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.53	3.06	U
108-38-3/106-42	m,p-Xylenes	9.16	3.06	6.12	
95-47-6	o-Xylene	4.44	3.06	6.12	J
100-42-5	Styrene	ND	1.53	6.12	U
75-25-2	Bromoform	ND	1.53	3.06	U
98-82-8	Isopropylbenzene	ND	1.53	3.06	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.53	3.06	U
96-18-4	1,2,3-Trichloropropane	ND	1.53	3.06	U



ANALYSIS DATA SHEET
EPA 8260

Client: **BRINKERHOFF ENVIRONMENTAL**
 Client Sample ID: **EP-29**
 Lab Sample ID: **1601751-01**
 Project: **265 E. 138th Street**
 Work Order: **1601751**

Date Sampled:	09/13/16 12:10	Prep Date:	09/13/16 20:19	Matrix:	Soil
Percent Solids:	70.00	Prep Method:	EPA 5035A	File ID:	A9460.D
Prep Batch:	B611313	Sequence:	S611311	Analyzed:	09/13/16 20:19
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
103-65-1	n-Propyl Benzene	ND	1.53	3.06	U
108-86-1	Bromobenzene	ND	1.53	3.06	U
108-67-8	1,3,5-Trimethylbenzene	2.84	1.53	3.06	J
95-49-8	2-Chlorotoluene	ND	1.53	3.06	U
106-43-4	4-Chlorotoluene	ND	1.53	3.06	U
98-06-6	tert-Butylbenzene	ND	1.53	3.06	U
95-63-6	1,2,4-Trimethylbenzene	8.90	1.53	3.06	
135-98-8	sec-Butylbenzene	ND	1.53	3.06	U
99-87-6	p-Isopropyltoluene	ND	1.53	3.06	U
541-73-1	1,3-Dichlorobenzene	ND	1.53	3.06	U
106-46-7	1,4-Dichlorobenzene	ND	1.53	3.06	U
104-51-8	n-Butyl Benzene	ND	1.53	3.06	U
95-50-1	1,2-Dichlorobenzene	ND	1.53	3.06	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.53	3.06	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.53	3.06	U
87-68-3	Hexachlorobutadiene	ND	1.53	3.06	U
87-61-6	1,2,3-Trichlorobenzene	ND	1.53	3.06	U

Surrogate	% Recovery	Recovery Limits
1,2-Dichloroethane-d4	115%	70-130
Toluene-d8	97%	70-130
Bromofluorobenzene	93%	70-130

* Values outside of QC limits
 ND - Indicates compound analyzed for but not detected
 U - Indicates compound analyzed for but not detected
 J - Indicates estimated value for TICs and all results when detected below the RL
 B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard
 D - Indicates result is based on a dilution
 P - Greater than 25% diff. between 2 GC columns.
 MDL - Minimum detection limit
 RL - Reporting limit



ANALYSIS DATA SHEET
EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-30
Lab Sample ID: 1601751-02
Project: 255 E. 138th Street
Work Order: 1601751

Date Sampled:	09/13/16 12:25	Prep Date:	09/13/16 20:50	Matrix:	Soil
Percent Solids:	74.50	Prep Method:	EPA 5035A	File ID:	A9461.D
Prep Batch:	B611313	Sequence:	S611311	Analyzed:	09/13/16 20:50
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
107-02-8	Acrolein	ND	7.50	12.5	U
107-13-1	Acrylonitrile	ND	2.50	12.5	U
67-64-1	Acetone	23.4 J	1.25	2.50	
75-71-8	Dichlorodifluoromethane	ND	1.25	2.50	U
74-87-3	Chloromethane	ND	1.25	2.50	U
75-01-4	Vinyl chloride	ND	1.25	2.50	U
74-83-9	Bromomethane	ND	1.25	2.50	U
75-00-3	Chloroethane	ND	1.25	2.50	U
75-69-4	Trichlorofluoromethane	ND	1.25	2.50	U
75-35-4	1,1-Dichloroethene	ND	1.25	2.50	U
75-15-0	Carbon disulfide	ND	1.25	2.50	U
75-09-2	Methylene Chloride	ND UJ	1.25	2.50	U
156-60-5	trans-1,2-Dichloroethene	ND	1.25	2.50	U
75-34-3	1,1-Dichloroethane	ND	1.25	2.50	U
108-05-4	Vinyl acetate	ND	1.25	2.50	U
590-20-7	2,2-Dichloropropane	ND	1.25	2.50	U
78-93-3	2-Butanone	ND	1.25	2.50	U
156-59-4	cis-1,2-Dichloroethene	ND	1.25	2.50	U
67-66-3	Chloroform	ND	1.25	2.50	U
74-97-5	Bromochloromethane	ND	1.25	2.50	U
71-55-6	1,1,1-Trichloroethane	ND	1.25	2.50	U
563-58-6	1,1-Dichloropropene	ND	1.25	2.50	U
56-23-5	Carbon Tetrachloride	ND	1.25	2.50	U
107-06-2	1,2-Dichloroethane	ND	1.25	2.50	U
71-43-2	Benzene	ND	1.25	2.50	U

WXP 10/28/16



ANALYSIS DATA SHEET
EPA 8260

Client: **BRINKERHOFF ENVIRONMENTAL**
 Client Sample ID: **EP-30**
 Lab Sample ID: **1601751-02**
 Project: **255 E. 138th Street**
 Work Order: **1601751**

Date Sampled:	09/13/16 12:25	Prep Date:	09/13/16 20:50	Matrix:	Soil
Percent Solids:	74.50	Prep Method:	EPA 5035A	File ID:	A9461.D
Prep Batch:	B611313	Sequence:	S611311	Analyzed:	09/13/16 20:50
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
79-01-6	Trichloroethene	ND	1.25	2.50	U
78-87-5	1,2-Dichloropropane	ND	1.25	2.50	U
75-27-4	Bromodichloromethane	ND	1.25	2.50	U
74-95-3	Dibromomethane	ND	1.25	2.50	U
110-75-8	2-Chloroethyl vinyl ether	ND	1.25	2.50	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.25	2.50	U
108-88-3	Toluene	ND	1.25	2.50	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.25	2.50	U
79-00-5	1,1,2-Trichloroethane	ND	1.25	2.50	U
108-10-1	4-Methyl-2-pentanone	ND	1.25	2.50	U
106-93-4	1,2-Dibromoethane	ND	1.25	2.50	U
591-78-6	2-Hexanone	ND	1.25	2.50	U
142-28-9	1,3-Dichloropropane	ND	1.25	2.50	U
127-18-4	Tetrachloroethene	ND	1.25	2.50	U
124-48-1	Dibromochloromethane	ND	1.25	2.50	U
100-41-4	Ethylbenzene	ND	1.25	2.50	U
108-90-7	Chlorobenzene	ND	1.25	2.50	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.25	2.50	U
108-38-3/106-42	m,p-Xylenes	ND	2.50	5.00	U
95-47-6	o-Xylene	ND	2.50	5.00	U
100-42-5	Styrene	ND	1.25	5.00	U
75-25-2	Bromoform	ND	1.25	2.50	U
98-82-8	Isopropylbenzene	ND	1.25	2.50	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.25	2.50	U
96-18-4	1,2,3-Trichloropropane	ND	1.25	2.50	U



ANALYSIS DATA SHEET
EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-30
Lab Sample ID: 1601751-02
Project: 255 E. 138th Street
Work Order: 1601751

Date Sampled:	09/13/16 12:25	Prep Date:	09/13/16 20:50	Matrix:	Soil
Percent Solids:	74.50	Prep Method:	EPA 5035A	File ID:	A9461.D
Prep Batch:	B611313	Sequence:	S611311	Analyzed:	09/13/16 20:50
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
103-65-1	n-Propyl Benzene	ND	1.25	2.50	U
108-86-1	Bromobenzene	ND	1.25	2.50	U
108-67-8	1,3,5-Trimethylbenzene	ND	1.25	2.50	U
95-49-8	2-Chlorotoluene	ND	1.25	2.50	U
106-43-4	4-Chlorotoluene	ND	1.25	2.50	U
98-06-6	tert-Butylbenzene	ND	1.25	2.50	U
95-63-6	1,2,4-Trimethylbenzene	ND	1.25	2.50	U
135-98-8	sec-Butylbenzene	ND	1.25	2.50	U
99-87-6	p-Isopropyltoluene	ND	1.25	2.50	U
541-73-1	1,3-Dichlorobenzene	ND	1.25	2.50	U
106-46-7	1,4-Dichlorobenzene	ND	1.25	2.50	U
104-51-8	n-Butyl Benzene	ND	1.25	2.50	U
95-50-1	1,2-Dichlorobenzene	ND	1.25	2.50	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.25	2.50	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.25	2.50	U
87-68-3	Hexachlorobutadiene	ND	1.25	2.50	U
87-61-6	1,2,3-Trichlorobenzene	ND	1.25	2.50	U

Surrogate	% Recovery	Recovery Limits
1,2-Dichloroethane-d4	121%	70-130
Toluene-d8	96%	70-130
Bromofluorobenzene	83%	70-130

* Values outside of QC limits
 ND - Indicates compound analyzed for but not detected
 U - Indicates compound analyzed for but not detected
 J - Indicates estimated value for TICs and all results when detected below the RL
 B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard
 D - Indicates result is based on a dilution
 P - Greater than 25% diff. between 2 GC columns.
 MDL - Minimum detection limit
 RL - Reporting limit



ANALYSIS DATA SHEET
EPA 8270

Client: **BRINKERHOFF ENVIRONMENTAL**
 Client Sample ID: **EP-29**
 Lab Sample ID: **1601751-01**
 Project: **255 E. 138th Street**
 Work Order: **1601751**

Date Sampled:	09/13/16 12:10	Prep Date:	09/14/16 05:36	Matrix:	Soil
Percent Solids:	70.00	Prep Method:	EPA 3550B GCMS	File ID:	F14302.D
Prep Batch:	B611403	Sequence:	S611511	Analyzed:	09/15/16 19:20
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
62-75-9	N-Nitrosodimethylamine	ND	47.6	239	U
108-95-2	Phenol	164	47.6	239	J
111-44-4	bis(2-chloroethyl)ether	ND	47.6	239	U
95-57-8	2-Chlorophenol	ND	47.6	239	U
541-73-1	1,3-Dichlorobenzene	ND	47.6	239	U
106-46-7	1,4-Dichlorobenzene	ND <i>UJ</i>	47.6	239	U
100-51-6	Benzyl alcohol	ND	47.6	239	U
95-50-1	1,2-Dichlorobenzene	ND	47.6	239	U
95-48-7	2-Methylphenol	ND	47.6	239	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	47.6	239	U
106-44-5	3 & 4-Methylphenol	ND	47.6	239	U
621-64-7	N-Nitroso-di-n-propylamine	ND	47.6	239	U
67-72-1	Hexachloroethane	ND	47.6	239	U
98-95-3	Nitrobenzene	ND	47.6	239	U
78-59-1	Isophorone	ND	47.6	239	U
88-75-5	2-Nitrophenol	ND	47.6	239	U
105-67-9	2,4-Dimethylphenol	ND	47.6	239	U
65-85-0	Benzoic acid	ND	119	476	U
111-91-1	bis(2-chloroethoxy)methane	ND	47.6	239	U
120-83-2	2,4-Dichlorophenol	ND	47.6	239	U
120-82-1	1,2,4-Trichlorobenzene	ND <i>UJ</i>	47.6	239	U
91-20-3	Naphthalene	51.4	47.6	239	J
106-47-8	4-Chloroaniline	ND <i>UJ</i>	47.6	239	U
87-68-3	Hexachlorobutadiene	ND <i>UJ</i>	47.6	239	U
59-50-7	4-Chloro-3-methylphenol	ND	47.6	239	U

mxd 10/28/16



ANALYSIS DATA SHEET
EPA 8270

Client: **BRINKERHOFF ENVIRONMENTAL**
 Client Sample ID: **EP-29**
 Lab Sample ID: **1601751-01**
 Project: **255 E. 138th Street**
 Work Order: **1601751**

Date Sampled:	09/13/16 12:10	Prep Date:	09/14/16 05:36	Matrix:	Soil
Percent Solids:	70.00	Prep Method:	EPA 3550B GCMS	File ID:	F14302.D
Prep Batch:	B611403	Sequence:	S611511	Analyzed:	09/15/16 19:20
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
91-57-6	2-Methylnaphthylene	ND	47.6	239	U
77-47-4	Hexachlorocyclopentadiene	ND	47.6	239	U
88-06-2	2,4,6-Trichlorophenol	ND	47.6	239	U
95-95-4	2,4,5-Trichlorophenol	ND	47.6	239	U
91-58-7	2-Chloronaphthalene	ND	47.6	239	U
88-74-4	2-Nitroaniline	ND	47.6	239	U
131-11-3	Dimethylphthalate	ND	47.6	239	U
208-96-8	Acenaphthylene	ND	47.6	239	U
99-09-2	3-Nitroaniline	ND	47.6	239	U
83-32-9	Acenaphthene	79.5	47.6	239	J
51-28-5	2,4-Dinitrophenol	ND	47.6	476	U
100-02-7	4-Nitrophenol	ND	47.6	239	U
132-64-9	Dibenzofuran	ND	47.6	239	U
606-20-2	2,6-Dinitrotoluene	ND	47.6	239	U
121-14-2	2,4-Dinitrotoluene	ND	47.6	239	U
84-66-2	Diethyl phthalate	ND	47.6	239	U
7005-72-3	4-Chlorophenyl-phenylether	ND	47.6	239	U
86-73-7	Fluorene	72.4	47.6	239	J
100-01-6	4-Nitroaniline	ND	47.6	239	U
534-52-1	4,6-Dinitro-2-methylphenol	ND <i>AS</i>	47.6	239	U
86-30-6	N-Nitrosodiphenylamine	ND	47.6	239	U
101-55-3	4-Bromophenyl-phenylether	ND	47.6	239	U
118-74-1	Hexachlorobenzene	ND	47.6	239	U
87-86-5	Pentachlorophenol	ND	47.6	239	U
85-01-8	Phenanthrene	1020	47.6	239	

MK-110/28/16



ANALYSIS DATA SHEET
EPA 8270

Client: **BRINKERHOFF ENVIRONMENTAL**
 Client Sample ID: **EP-29**
 Lab Sample ID: **1601751-01**
 Project: **255 E. 138th Street**
 Work Order: **1601751**

Date Sampled:	09/13/16 12:10	Prep Date:	09/14/16 05:38	Matrix:	Soil
Percent Solids:	70.00	Prep Method:	EPA 3550B GCMS	File ID:	F14302.D
Prep Batch:	B611403	Sequence:	S611511	Analyzed:	09/15/16 19:20
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
120-12-7	Anthracene	135	47.6	239	J
84-74-2	Di-n-butyl phthalate	ND	47.6	239	U
206-44-0	Fluoranthene	1150	47.6	239	
129-00-0	Pyrene	933	47.6	239	
85-68-7	Butylbenzylphthalate	ND	47.6	239	U
91-94-1	3,3'-Dichlorobenzidine	ND	119	239	U
56-55-3	Benzo[a]anthracene	420	47.6	239	
117-81-7	bis(2-ethylhexyl)phthalate	142	47.6	239	J
218-01-9	Chrysene	486	47.6	239	
117-84-0	Di-n-octyl phthalate	ND	47.6	239	U
205-99-2	Benzo[b]fluoranthene	525	47.6	239	
207-08-9	Benzo[k]fluoranthene	189	47.6	239	J
50-32-8	Benzo[a]pyrene	387	47.6	239	
193-39-5	Indeno(1,2,3-cd)pyrene	200	47.6	239	J
53-70-3	Dibenzo(a,h)anthracene	55.2	47.6	239	J
191-24-2	Benzo[ghi]perylene	212	47.6	239	J

<u>Surrogate</u>	<u>% Recovery</u>	<u>Recovery Limits</u>
2-Fluorophenol	38%	30-130
Phenol-d5	51%	30-130
Nitrobenzene-d5	53%	30-130
2-Fluorobiphenyl	54%	30-130
2,4,6-Tribromophenol	10%	30-130
Terphenyl-d14	87%	30-130

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ANALYSIS DATA SHEET
EPA 8270

Client: **BRINKERHOFF ENVIRONMENTAL**
 Client Sample ID: **EP-30**
 Lab Sample ID: **1601751-02**
 Project: **255 E. 138th Street**
 Work Order: **1601751**

Date Sampled:	09/13/16 12:25	Prep Date:	09/14/16 05:36	Matrix:	Soil
Percent Solids:	74.50	Prep Method:	EPA 3550B GCMS	File ID:	F14303.D
Prep Batch:	B611403	Sequence:	S611511	Analyzed:	09/15/16 20:06
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
62-75-9	N-Nitrosodimethylamine	ND	44.7	224	U
108-95-2	Phenol	ND	44.7	224	U
111-44-4	bis(2-chloroethyl)ether	ND	44.7	224	U
95-57-8	2-Chlorophenol	ND	44.7	224	U
541-73-1	1,3-Dichlorobenzene	ND	44.7	224	U
106-46-7	1,4-Dichlorobenzene	ND <i>u.s.</i>	44.7	224	U
100-51-6	Benzyl alcohol	ND	44.7	224	U
95-50-1	1,2-Dichlorobenzene	ND	44.7	224	U
95-48-7	2-Methylphenol	ND	44.7	224	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	44.7	224	U
106-44-5	3 & 4-Methylphenol	ND	44.7	224	U
621-64-7	N-Nitroso-di-n-propylamine	ND	44.7	224	U
67-72-1	Hexachloroethane	ND	44.7	224	U
98-95-3	Nitrobenzene	ND	44.7	224	U
78-59-1	Isophorone	ND	44.7	224	U
88-75-5	2-Nitrophenol	ND	44.7	224	U
105-67-9	2,4-Dimethylphenol	ND	44.7	224	U
65-85-0	Benzoic acid	ND	111	447	U
111-91-1	bis(2-chloroethoxy)methane	ND	44.7	224	U
120-83-2	2,4-Dichlorophenol	ND	44.7	224	U
120-82-1	1,2,4-Trichlorobenzene	ND <i>u.s.</i>	44.7	224	U
91-20-3	Naphthalene	ND	44.7	224	U
106-47-8	4-Chloroaniline	ND <i>u.s.</i>	44.7	224	U
87-68-3	Hexachlorobutadiene	ND <i>u.s.</i>	44.7	224	U
59-50-7	4-Chloro-3-methylphenol	ND	44.7	224	U



ANALYSIS DATA SHEET
EPA 8270

Client: **BRINKERHOFF ENVIRONMENTAL**
 Client Sample ID: **EP-30**
 Lab Sample ID: **1601751-02**
 Project: **255 E. 138th Street**
 Work Order: **1601751**

Date Sampled:	09/13/16 12:25	Prep Date:	09/14/16 05:36	Matrix:	Soil
Percent Solids:	74.50	Prep Method:	EPA 3550B GCMS	File ID:	F14303.D
Prep Batch:	B611403	Sequence:	S611511	Analyzed:	09/15/16 20:06
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
91-57-6	2-Methylnaphthylene	ND	44.7	224	U
77-47-4	Hexachlorocyclopentadiene	ND	44.7	224	U
88-06-2	2,4,6-Trichlorophenol	ND	44.7	224	U
95-95-4	2,4,5-Trichlorophenol	ND	44.7	224	U
91-58-7	2-Chloronaphthalene	ND	44.7	224	U
88-74-4	2-Nitroaniline	ND	44.7	224	U
131-11-3	Dimethylphthalate	ND	44.7	224	U
208-96-8	Acenaphthylene	ND	44.7	224	U
99-09-2	3-Nitroaniline	ND	44.7	224	U
83-32-9	Acenaphthene	ND	44.7	224	U
51-28-5	2,4-Dinitrophenol	ND	44.7	447	U
100-02-7	4-Nitrophenol	ND	44.7	224	U
132-64-9	Dibenzofuran	ND	44.7	224	U
606-20-2	2,6-Dinitrotoluene	ND	44.7	224	U
121-14-2	2,4-Dinitrotoluene	ND	44.7	224	U
84-66-2	Diethyl phthalate	ND	44.7	224	U
7005-72-3	4-Chlorophenyl-phenylether	ND	44.7	224	U
86-73-7	Fluorene	ND	44.7	224	U
100-01-6	4-Nitroaniline	ND	44.7	224	U
534-52-1	4,6-Dinitro-2-methylphenol	ND <i>US</i>	44.7	224	U
86-30-6	N-Nitrosodiphenylamine	ND	44.7	224	U
101-55-3	4-Bromophenyl-phenylether	ND	44.7	224	U
118-74-1	Hexachlorobenzene	ND	44.7	224	U
87-86-5	Pentachlorophenol	ND	44.7	224	U
85-01-8	Phenanthrene	236	44.7	224	U

2/11/16 10/28/16



ANALYSIS DATA SHEET
EPA 8270

Client: **BRINKERHOFF ENVIRONMENTAL**
 Client Sample ID: **EP-30**
 Lab Sample ID: **1601751-02**
 Project: **255 E. 138th Street**
 Work Order: **1601751**

Date Sampled:	09/13/16 12:25	Prep Date:	09/14/16 05:36	Matrix:	Soil
Percent Solids:	74.50	Prep Method:	EPA 3550B GCMS	File ID:	F14303.D
Prep Batch:	B611403	Sequence:	S611511	Analyzed:	09/15/16 20:06
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
120-12-7	Anthracene	57.7	44.7	224	J
84-74-2	Di-n-butyl phthalate	ND	44.7	224	U
206-44-0	Fluoranthene	386	44.7	224	
129-00-0	Pyrene	376	44.7	224	
85-68-7	Butylbenzylphthalate	ND	44.7	224	U
91-94-1	3,3'-Dichlorobenzidine	ND	111	224	U
56-55-3	Benzo[a]anthracene	190	44.7	224	J
117-81-7	bis(2-ethylhexyl)phthalate	ND	44.7	224	U
218-01-9	Chrysene	197	44.7	224	J
117-84-0	Di-n-octyl phthalate	ND	44.7	224	U
205-99-2	Benzo[b]fluoranthene	211	44.7	224	J
207-08-9	Benzo[k]fluoranthene	83.7	44.7	224	J
50-32-8	Benzo[a]pyrene	178	44.7	224	J
193-39-5	Indeno(1,2,3-cd)pyrene	81.4	44.7	224	J
53-70-3	Dibenzo(a,h)anthracene	ND	44.7	224	U
191-24-2	Benzo[ghi]perylene	88.6	44.7	224	J

<u>Surrogate</u>	<u>% Recovery</u>	<u>Recovery Limits</u>
2-Fluorophenol	79%	30-130
Phenol-d5	80%	30-130
Nitrobenzene-d5	79%	30-130
2-Fluorobiphenyl	79%	30-130
2,4,6-Tribromophenol	80%	30-130
Terphenyl-d14	96%	30-130



ANALYSIS DATA SHEET
EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
 Client Sample ID: EP-29
 Lab Sample ID: 1601751-01
 Project: 255 E. 138th Street
 Work Order: 1601751

Date Sampled:	09/13/16 12:10	Prep Date:	09/14/16 05:34	Matrix:	Soil
Percent Solids:	70.00	Prep Method:	EPA 3550B	File ID:	A23092.D
Prep Batch:	B611402	Sequence:	S611402	Analyzed:	09/14/16 15:50
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
319-84-6	alpha-BHC	ND	0.943	0.943	U
319-85-7	beta-BHC	ND	0.943	0.943	U
319-86-8	delta-BHC	ND	0.943	0.943	U
58-89-9	gamma-BHC [Lindane]	ND	0.943	0.943	U
76-44-8	Heptachlor	ND	0.943	0.943	U
309-00-2	Aldrin	ND	0.943	0.943	U
1024-57-3	Heptachlor Epoxide	ND	0.943	0.943	U
959-98-8	Endosulfan I	ND	0.943	0.943	U
60-57-1	Dieldrin	ND	1.90	1.90	U
72-55-9	4,4'-DDE	ND	1.90	1.90	U
72-20-8	Endrin	ND	1.90	1.90	U
33213-65-9	Endosulfan II	ND	1.90	1.90	U
72-54-8	4,4'-DDD	ND	1.90	1.90	U
1031-07-8	Endosulfan sulfate	ND	1.90	1.90	U
50-29-3	4,4'-DDT	ND	1.90	1.90	U
72-43-5	Methoxychlor	ND	2.86	9.51	U
53494-70-5	Endrin ketone	ND	1.90	1.90	U
7421-93-4	Endrin aldehyde	ND	1.90	1.90	U
5103-71-9	alpha-Chlordane	ND	0.943	0.943	U
5566-34-7	gamma-Chlordane	ND	0.943	0.943	U
8001-35-2	Toxaphene	ND	47.6	47.6	U
12674-11-2	Aroclor-1016	ND	23.7	47.6	U



ANALYSIS DATA SHEET

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-29
Lab Sample ID: 1601751-01
Project: 255 E. 138th Street
Work Order: 1601751

Date Sampled:	09/13/16 12:10	Prep Date:	09/14/16 05:34	Matrix:	Soil
Percent Solids:	70.00	Prep Method:	EPA 3550B	File ID:	A23092.D
Prep Batch:	B611402	Sequence:	S611402	Analyzed:	09/14/16 15:50
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
11104-28-2	Aroclor-1221	ND	23.7	47.6	U
11141-16-5	Aroclor-1232	ND	23.7	47.6	U
53469-21-9	Aroclor-1242	ND	23.7	47.6	U
12672-29-6	Aroclor-1248	ND	23.7	47.6	U
11097-69-1	Aroclor-1254	ND	23.7	47.6	U
11096-82-5	Aroclor-1260	ND	23.7	47.6	U
37324-23-5	Aroclor-1262	ND	23.7	47.6	U
11100-14-4	Aroclor-1268	ND	23.7	47.6	U

<u>Surrogate</u>	<u>% Recovery</u>	<u>Recovery Limits</u>
Tetrachloro-m-xylene	73.3%	30-150
Tetrachloro-m-xylene [2C]	85.8%	30-150
Decachlorobiphenyl	90.2%	30-150
Decachlorobiphenyl [2C]	115%	30-150

* Values outside of QC limits
 ND - Indicates compound analyzed for but not detected
 U - Indicates compound analyzed for but not detected
 J - Indicates estimated value for TICs and all results when detected below the RL
 B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard
 D - Indicates result is based on a dilution
 P - Greater than 25% diff. between 2 GC columns.
 MDL - Minimum detection limit
 RL - Reporting limit



ANALYSIS DATA SHEET

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-30
Lab Sample ID: 1601751-02
Project: 255 E. 138th Street
Work Order: 1601751

Date Sampled:	09/13/16 12:25	Prep Date:	09/14/16 05:34	Matrix:	Soil
Percent Solids:	74.50	Prep Method:	EPA 3550B	File ID:	A23093.D
Prep Batch:	B611402	Sequence:	S611402	Analyzed:	09/14/16 16:19
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
319-84-6	alpha-BHC	ND	0.886	0.886	U
319-85-7	beta-BHC	ND	0.886	0.886	U
319-86-8	delta-BHC	ND	0.886	0.886	U
58-89-9	gamma-BHC [Lindane]	ND	0.886	0.886	U
76-44-8	Heptachlor	ND	0.886	0.886	U
309-00-2	Aldrin	ND	0.886	0.886	U
1024-57-3	Heptachlor Epoxide	ND	0.886	0.886	U
959-98-8	Endosulfan I	ND	0.886	0.886	U
60-57-1	Dieldrin	ND	1.79	1.79	U
72-55-9	4,4'-DDE	ND	1.79	1.79	U
72-20-8	Endrin	ND	1.79	1.79	U
33213-65-9	Endosulfan II	ND	1.79	1.79	U
72-54-8	4,4'-DDD	ND	1.79	1.79	U
1031-07-8	Endosulfan sulfate	ND	1.79	1.79	U
50-29-3	4,4'-DDT	ND	1.79	1.79	U
72-43-5	Methoxychlor	ND	2.68	8.94	U
53494-70-5	Endrin ketone	ND	1.79	1.79	U
7421-93-4	Endrin aldehyde	ND	1.79	1.79	U
5103-71-9	alpha-Chlordane	ND	0.886	0.886	U
5566-34-7	gamma-Chlordane	ND	0.886	0.886	U
8001-35-2	Toxaphene	ND	44.7	44.7	U
12674-11-2	Aroclor-1016	ND	22.3	44.7	U



ANALYSIS DATA SHEET
EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-30
Lab Sample ID: 1601751-02
Project: 255 E. 138th Street
Work Order: 1601751

Date Sampled:	09/13/16 12:25	Prep Date:	09/14/16 05:34	Matrix:	Soil
Percent Solids:	74.50	Prep Method:	EPA 3550B	File ID:	A23093.D
Prep Batch:	B611402	Sequence:	S611402	Analyzed:	09/14/16 16:19
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
11104-28-2	Aroclor-1221	ND	22.3	44.7	U
11141-16-5	Aroclor-1232	ND	22.3	44.7	U
53469-21-9	Aroclor-1242	ND	22.3	44.7	U
12672-29-6	Aroclor-1248	ND	22.3	44.7	U
11097-69-1	Aroclor-1254	ND	22.3	44.7	U
11096-82-5	Aroclor-1260	ND	22.3	44.7	U
37324-23-5	Aroclor-1262	ND	22.3	44.7	U
11100-14-4	Aroclor-1268	ND	22.3	44.7	U

<u>Surrogate</u>	<u>% Recovery</u>	<u>Recovery Limits</u>
Tetrachloro-m-xylene	72.6%	30-150
Tetrachloro-m-xylene [2C]	88.7%	30-150
Decachlorobiphenyl	86.2%	30-150
Decachlorobiphenyl [2C]	110%	30-150

* Values outside of QC limits
 ND - Indicates compound analyzed for but not detected
 U - Indicates compound analyzed for but not detected
 J - Indicates estimated value for TICs and all results when detected below the RL
 B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard
 D - Indicates result is based on a dilution
 P - Greater than 25% diff. between 2 GC columns.
 MDL - Minimum detection limit
 RL - Reporting limit



ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-29
Lab Sample ID: 1601751-01
Project: 255 E. 138th Street
Work Order: 1601751

Date Sampled: 09/13/16 12:10	Matrix: Soil
Percent Solids: 70.00	File ID: 091316C-022

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
7429-90-5	Aluminum	9540	16.9	16.9	1		09/13/16 14:59	EPA 3050B	09/13/16 19:26 LIT	EPA 6010
7439-97-6	Mercury	0.149	0.107	0.107	1		09/15/16 08:08	EPA 7471A	09/15/16 11:45 PRT	EPA 7471
7440-36-0	Antimony	ND	3.37	3.37	1	U	09/13/16 14:59	EPA 3050B	09/13/16 19:26 LIT	EPA 6010
7440-38-2	Arsenic	4.18	0.843	0.843	1		09/13/16 14:59	EPA 3050B	09/13/16 19:26 LIT	EPA 6010
7440-39-3	Barium	70.9	16.9	16.9	1		09/13/16 14:59	EPA 3050B	09/13/16 19:26 LIT	EPA 6010
7440-41-7	Beryllium	ND	0.421	0.421	1	U	09/13/16 14:59	EPA 3050B	09/13/16 19:26 LIT	EPA 6010
7440-43-9	Cadmium	0.886	0.421	0.421	1		09/13/16 14:59	EPA 3050B	09/13/16 19:26 LIT	EPA 6010
7440-70-2	Calcium	30600	527	527	25	D	09/13/16 14:59	EPA 3050B	09/14/16 11:22 LIT	EPA 6010
7440-47-3	Chromium	18.2	1.69	1.69	1		09/13/16 14:59	EPA 3050B	09/13/16 19:26 LIT	EPA 6010
7440-48-4	Cobalt	7.75	4.21	4.21	1		09/13/16 14:59	EPA 3050B	09/13/16 19:26 LIT	EPA 6010
7440-50-8	Copper	31.7	2.53	2.53	1		09/13/16 14:59	EPA 3050B	09/13/16 19:26 LIT	EPA 6010
7439-89-6	Iron	17900 J	21.1	21.1	1		09/13/16 14:59	EPA 3050B	09/13/16 19:26 LIT	EPA 6010
7439-92-1	Lead	65.6 J	0.843	0.843	1		09/13/16 14:59	EPA 3050B	09/13/16 19:26 LIT	EPA 6010
7439-95-4	Magnesium	10900	42.1	42.1	1		09/13/16 14:59	EPA 3050B	09/13/16 19:26 LIT	EPA 6010
7439-96-5	Manganese	307	1.69	1.69	1		09/13/16 14:59	EPA 3050B	09/13/16 19:26 LIT	EPA 6010
7440-02-0	Nickel	15.6	3.37	3.37	1		09/13/16 14:59	EPA 3050B	09/13/16 19:26 LIT	EPA 6010
7440-09-7	Potassium	1750	42.1	42.1	1		09/13/16 14:59	EPA 3050B	09/13/16 19:26 LIT	EPA 6010
7782-49-2	Selenium	ND	3.37	3.37	1	U	09/13/16 14:59	EPA 3050B	09/13/16 19:26 LIT	EPA 6010
7440-22-4	Silver	ND	0.421	0.421	1	U	09/13/16 14:59	EPA 3050B	09/13/16 19:26 LIT	EPA 6010
7440-23-5	Sodium	355	42.1	42.1	1		09/13/16 14:59	EPA 3050B	09/13/16 19:26 LIT	EPA 6010
7440-28-0	Thallium	ND	1.26	2.53	1	U	09/13/16 14:59	EPA 3050B	09/13/16 19:26 LIT	EPA 6010
7440-62-2	Vanadium	23.6	4.21	4.21	1		09/13/16 14:59	EPA 3050B	09/13/16 19:26 LIT	EPA 6010
7440-66-6	Zinc	74.5	5.06	5.06	1		09/13/16 14:59	EPA 3050B	09/13/16 19:26 LIT	EPA 6010

* Values outside of QC limits

ND - Indicates compound analyzed for but not detected

U - Indicates compound analyzed for but not detected

J - Indicates estimated value for TICs and all results when detected below the RL

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.

MDL - Minimum detection limit

RL - Reporting limit

mxc/p10/28/16



ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-30
Lab Sample ID: 1601751-02
Project: 255 E. 138th Street
Work Order: 1601751

Date Sampled: 09/13/16 12:25	Matrix: Soil
Percent Solids: 74.50	File ID: 091316C-023

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
7429-90-5	Aluminum	8480	18.5	18.5	1		09/13/16 14:59	EPA 3050B	09/13/16 19:31 LIT	EPA 6010
7439-97-6	Mercury	0.202	0.101	0.101	1		09/15/16 08:08	EPA 7471A	09/15/16 11:47 PRT	EPA 7471
7440-36-0	Antimony	ND	3.69	3.69	1	U	09/13/16 14:59	EPA 3050B	09/13/16 19:31 LIT	EPA 6010
7440-38-2	Arsenic	2.52	0.923	0.923	1		09/13/16 14:59	EPA 3050B	09/13/16 19:31 LIT	EPA 6010
7440-39-3	Barium	71.8	18.5	18.5	1		09/13/16 14:59	EPA 3050B	09/13/16 19:31 LIT	EPA 6010
7440-41-7	Beryllium	ND	0.461	0.461	1	U	09/13/16 14:59	EPA 3050B	09/13/16 19:31 LIT	EPA 6010
7440-43-9	Cadmium	0.799	0.461	0.461	1		09/13/16 14:59	EPA 3050B	09/13/16 19:31 LIT	EPA 6010
7440-70-2	Calcium	34900	577	577	25	D	09/13/16 14:59	EPA 3050B	09/14/16 11:27 LIT	EPA 6010
7440-47-3	Chromium	16.5	1.85	1.85	1		09/13/16 14:59	EPA 3050B	09/13/16 19:31 LIT	EPA 6010
7440-48-4	Cobalt	7.69	4.61	4.61	1		09/13/16 14:59	EPA 3050B	09/13/16 19:31 LIT	EPA 6010
7440-50-8	Copper	27.6	2.77	2.77	1		09/13/16 14:59	EPA 3050B	09/13/16 19:31 LIT	EPA 6010
7439-89-6	Iron	16500 J	23.1	23.1	1		09/13/16 14:59	EPA 3050B	09/13/16 19:31 LIT	EPA 6010
7439-92-1	Lead	73.6 J	0.923	0.923	1		09/13/16 14:59	EPA 3050B	09/13/16 19:31 LIT	EPA 6010
7439-95-4	Magnesium	13700	46.1	46.1	1		09/13/16 14:59	EPA 3050B	09/13/16 19:31 LIT	EPA 6010
7439-96-5	Manganese	363	1.85	1.85	1		09/13/16 14:59	EPA 3050B	09/13/16 19:31 LIT	EPA 6010
7440-02-0	Nickel	14.2	3.69	3.69	1		09/13/16 14:59	EPA 3050B	09/13/16 19:31 LIT	EPA 6010
7440-09-7	Potassium	1720	46.1	46.1	1		09/13/16 14:59	EPA 3050B	09/13/16 19:31 LIT	EPA 6010
7782-49-2	Selenium	ND	3.69	3.69	1	U	09/13/16 14:59	EPA 3050B	09/13/16 19:31 LIT	EPA 6010
7440-22-4	Silver	ND	0.461	0.461	1	U	09/13/16 14:59	EPA 3050B	09/13/16 19:31 LIT	EPA 6010
7440-23-5	Sodium	311	46.1	46.1	1		09/13/16 14:59	EPA 3050B	09/13/16 19:31 LIT	EPA 6010
7440-28-0	Thallium	ND	1.38	2.77	1	U	09/13/16 14:59	EPA 3050B	09/13/16 19:31 LIT	EPA 6010
7440-62-2	Vanadium	24.3	4.61	4.61	1		09/13/16 14:59	EPA 3050B	09/13/16 19:31 LIT	EPA 6010
7440-66-6	Zinc	68.9	5.54	5.54	1		09/13/16 14:59	EPA 3050B	09/13/16 19:31 LIT	EPA 6010

* Values outside of QC limits
 ND - Indicates compound analyzed for but not detected
 U - Indicates compound analyzed for but not detected
 J - Indicates estimated value for TICs and all results when detected below the RL
 B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard
 D - Indicates result is based on a dilution
 P - Greater than 25% diff. between 2 GC columns.
 MDL - Minimum detection limit
 RL - Reporting limit

mmp10/28/16



ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-29
Lab Sample ID: 1601751-01
Project: 255 E. 138th Street
Work Order: 1601751

Date Sampled: 09/13/16 12:10	Matrix: Soil
Percent Solids: 70.00	File ID:

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
16065-83-1	Trivalent Chromium	18.2	1.18	1.18	1		09/13/16 15:42	[CALC]	09/14/16 17:12 NNM	[CALC]
1854-02-99	Chromium, Hexava	ND	2.86	2.86	1	U	09/13/16 15:42	SW 846 3060A	09/14/16 17:12 NNM	EPA 7196A
NA	Cyanide (total)	ND	1.43	1.43	1	U	09/13/16 15:41	EPA 9010C	09/13/16 17:44 NNM	EPA 9014

CAS NO.	Analyte	Concentration (%)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
NA	Percent Solids	70.0	0.100	0.100	1		09/14/16 09:41	Percent Solids	09/15/16 10:45 KMC	SM 2540 G

* Values outside of QC limits
 ND - Indicates compound analyzed for but not detected
 U - Indicates compound analyzed for but not detected
 J - Indicates estimated value for TICs and all results when detected below the RL
 B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard
 D - Indicates result is based on a dilution
 P - Greater than 25% diff. between 2 GC columns.
 MDL - Minimum detection limit
 RL - Reporting limit



ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-30
Lab Sample ID: 1601751-02
Project: 255 E. 138th Street
Work Order: 1601751

Date Sampled: 09/13/16 12:25	Matrix: Soil
Percent Solids: 74.50	File ID:

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
16065-83-7	Trivalent Chromium	16.5	1.37	1.37	1		09/13/16 15:42	[CALC]	09/14/16 17:12 NNM	[CALC]
1854-02-99	Chromium, Hexava	ND	2.68	2.68	1	U	09/13/16 15:42	SW 846 3060A	09/14/16 17:12 NNM	EPA 7196A
NA	Cyanide (total)	ND	1.34	1.34	1	U	09/13/16 15:41	EPA 9010C	09/13/16 17:44 NNM	EPA 9014

CAS NO.	Analyte	Concentration (%)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
NA	Percent Solids	74.5	0.100	0.100	1		09/14/16 09:41	Percent Solids	09/15/16 10:45 KMC	SM 2540 G

* Values outside of QC limits

ND - Indicates compound analyzed for but not detected

U - Indicates compound analyzed for but not detected

J - Indicates estimated value for TICs and all results when detected below the RL

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.

MDL - Minimum detection limit

RL - Reporting limit

Appendix B

***Laboratory
QC
Documentation***



ANALYSIS DATA SHEET

Blank

Client: **BRINKERHOFF ENVIRONMENTAL**
 Work Order: **1601751**
 Project: **255 E. 138th Street**

Matrix:	Solid	Laboratory ID:	B611313-BLK1	File ID:	A9443.D
Batch:	B611313	Prepared:	09/13/16 10:51	Analyzed:	09/13/16 10:51
Column:	1	Preparation:	EPA 5035A	Dilution:	
		Sequence:	S611311	Instrument:	GC/MS A

CAS NO.	COMPOUND	CONC. (ug/kg wet)	MDL	RL	Q
107-02-8	Acrolein	ND	6.00	10.0	U
107-13-1	Acrylonitrile	ND	2.00	10.0	U
67-64-1	Acetone	ND	1.00	2.00	U
75-71-8	Dichlorodifluoromethane	ND	1.00	2.00	U
74-87-3	Chloromethane	ND	1.00	2.00	U
75-01-4	Vinyl chloride	ND	1.00	2.00	U
74-83-9	Bromomethane	ND	1.00	2.00	U
75-00-3	Chloroethane	ND	1.00	2.00	U
75-69-4	Trichlorofluoromethane	ND	1.00	2.00	U
75-35-4	1,1-Dichloroethene	ND	1.00	2.00	U
75-15-0	Carbon disulfide	ND	1.00	2.00	U
75-09-2	Methylene Chloride	8.30	1.00	2.00	
156-60-5	trans-1,2-Dichloroethene	ND	1.00	2.00	U
75-34-3	1,1-Dichloroethane	ND	1.00	2.00	U
108-05-4	Vinyl acetate	ND	1.00	2.00	U
590-20-7	2,2-Dichloropropane	ND	1.00	2.00	U
78-93-3	2-Butanone	ND	1.00	2.00	U
156-59-4	cis-1,2-Dichloroethene	ND	1.00	2.00	U
67-66-3	Chloroform	ND	1.00	2.00	U
74-97-5	Bromochloromethane	ND	1.00	2.00	U
71-55-6	1,1,1-Trichloroethane	ND	1.00	2.00	U
563-58-6	1,1-Dichloropropene	ND	1.00	2.00	U
56-23-5	Carbon Tetrachloride	ND	1.00	2.00	U
107-06-2	1,2-Dichloroethane	ND	1.00	2.00	U



INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
 Work Order: 1601751
 Project: 255 E. 138th Street

Calibration:	16H2903	Instrument:	GC/MS A
		Calibration Date:	8/29/2016 7:56:55PM

COMPOUND	Mean RF	RF RSD	LIMIT	Q
Acrolein	5.094183E-02	5.902873		
Acrylonitrile	0.1167273	3.778378		
Acetone	0.1747694	41.54276		
Dichlorodifluoromethane	0.3620657	13.06906		
Chloromethane	0.6446193	7.262679	SPCC (0.1)	
Vinyl chloride	0.6338856	7.791452	CCC (20)	
Bromomethane	0.4973511	6.110204		
Chloroethane	0.2364184	7.428701		
Trichlorofluoromethane	0.6040865	8.703495		
Freon 113	0.5460094	4.513852		
1,1-Dichloroethene	0.8821578	4.055756	CCC (20)	
Carbon disulfide	2.237789	5.996131		
Methyl Acetate	0.2835279	13.47158		
Methylene Chloride	1.877848	96.62287		
trans-1,2-Dichloroethene	0.8991449	6.440984		
1,1-Dichloroethane	1.058622	6.387356	SPCC (0.1)	
Vinyl acetate	0.9809122	4.721133		
2,2-Dichloropropane	0.8359179	3.248966		
2-Butanone	0.1839178	13.22088		
cis-1,2-Dichloroethene	0.8114303	6.048788		
Chloroform	1.02525	3.40079	CCC (20)	
Bromochloromethane	0.3642218	7.373368		
Cyclohexane	0.9915085	4.912063		
1,1,1-Trichloroethane	0.8164359	3.315326		
t-Butyl alcohol	2.729559E-02	4.03008		



CONTINUING CALIBRATION VERIFICATION

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
 Work Order: 1601751
 Project: 255 E. 138th Street

Instrument ID: GC/MS A	Calibration: 16H2903
Lab File ID: A9441.D	Calibration Date: 08/29/16 19:56
Sequence: S6I1311	Injection Date: 09/13/16
Lab Sample ID: S6I1311-CCV1	Injection Time: 09:45

COMPOUND	TYPE	CONC. (ug/L)		RESPONSE FACTOR			% DIFF	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acrolein	A	250	226	5.094183E-02	4.614942E-02		-9.4	
Acrylonitrile	A	250	247	0.1167273	0.1155399		-1.0	
Acetone	L	50.0	51.5	0.1747694	0.136721		-21.8	
Dichlorodifluoromethane	A	50.0	51.2	0.3620657	0.3710391		2.5	
Chloromethane	A	50.0	45.8	0.6446193	0.590445	0.1	-8.4	
Vinyl chloride	A	50.0	47.5	0.6338856	0.6021924		-5.0	20
Bromomethane	A	50.0	45.0	0.4973511	0.448048		-9.9	
Chloroethane	A	50.0	42.1	0.2364184	0.1992199		-15.7	
Trichlorofluoromethane	A	50.0	53.5	0.6040865	0.6460937		7.0	
Freon 113	A	50.0	60.0	0.5460094	0.6546736		19.9	
1,1-Dichloroethene	A	50.0	42.1	0.8821578	0.7427117		-15.8	20
Carbon disulfide	A	50.0	47.3	2.237789	2.116047		-5.4	
Methyl Acetate	A	50.0	42.4	0.2835279	0.2402429		-15.3	
Methylene Chloride	L	50.0	47.6	1.877848	0.9230704		-50.8	
trans-1,2-Dichloroethene	A	50.0	41.4	0.8991449	0.744518		-17.2	
1,1-Dichloroethane	A	50.0	41.1	1.058622	0.8705018	0.1	-17.8	
Vinyl acetate	A	50.0	48.6	0.9809122	0.9541295		-2.7	
2,2-Dichloropropane	A	50.0	46.6	0.8359179	0.7793432		-6.8	
2-Butanone	A	50.0	44.3	0.1839178	0.1629636		-11.4	
cis-1,2-Dichloroethene	A	50.0	42.7	0.8114303	0.6930335		-14.6	
Chloroform	A	50.0	42.5	1.02525	0.8712644		-15.0	20
Bromochloromethane	A	50.0	40.6	0.3642218	0.2959078		-18.8	
Cyclohexane	A	50.0	53.3	0.9915085	1.057388		6.6	



SYSTEM MONITORING COMPOUND SUMMARY

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
 Project: 255 E. 138th Street
 Work Order: 1601751

Matrix: Solid
 Instrument: GC/MS F

Lab Sample ID:	2FP (30% - 130%)	FBP (30% - 130%)	NE2 (30% - 130%)	PHL (30% - 130%)	TBP (30% - 130%)	TPH (30% - 130%)
1601751-01	38	54	53	51	10*	87
1601751-02	79	79	79	80	80	96
B611403-BLK1	76	71	78	78	71	95
B611403-BS1	80	74	81	83	72	87
B611403-MS1	77	75	81	80	84	91
B611403-MSD1	78	75	80	78	82	96



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EP-30

Client: **BRINKERHOFF ENVIRONMENTAL**
 Project: **255 E. 138th Street**
 Work Order: **1601751**

Matrix: Solid	Analysis Method: EPA 8270
Prep Batch: B611403	Prep Method: EPA 3550B GCMS
Percent Solids: 74.50	Laboratory ID: B611403-MS1
	Client Sample ID: 1601751-02

ANALYTE	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC.	QC LIMITS REC.
Pyridine	2240	ND	870	39	20 - 160
N-Nitrosodimethylamine	2240	ND	1520	68	20 - 160
Aniline	2240	ND	1350	60	20 - 160
Phenol	2240	ND	1800	81	20 - 160
bis(2-chloroethyl)ether	2240	ND	1700	76	70 - 130
2-Chlorophenol	2240	ND	1700	76	70 - 130
1,3-Dichlorobenzene	2240	ND	1530	69	* 70 - 130
1,4-Dichlorobenzene	2240	ND	1540	69	* 70 - 130
Benzyl alcohol	2240	ND	1650	74	20 - 160
1,2-Dichlorobenzene	2240	ND	1550	69	* 70 - 130
2-Methylphenol	2240	ND	1670	75	20 - 160
bis(2-chloroisopropyl)ether	2240	ND	1600	71	70 - 130
3 & 4-Methylphenol	2240	ND	1720	77	20 - 160
N-Nitroso-di-n-propylamine	2240	ND	1580	71	70 - 130
Hexachloroethane	2240	ND	1280	57	20 - 160
Nitrobenzene	2240	ND	1660	74	70 - 130
Isophorone	2240	ND	1640	73	70 - 130
2-Nitrophenol	2240	ND	1590	71	70 - 130
2,4-Dimethylphenol	2240	ND	1590	71	70 - 130
bis(2-chloroethoxy)methane	2240	ND	1680	75	70 - 130
2,4-Dichlorophenol	2240	ND	1740	78	70 - 130
1,2,4-Trichlorobenzene	2240	ND	1580	71	70 - 130
Naphthalene	2240	ND	1620	72	70 - 130
4-Chloroaniline	2240	ND	795	36	20 - 160
Hexachlorobutadiene	2240	ND	1460	65	* 70 - 130
4-Chloro-3-methylphenol	2240	ND	1850	83	70 - 130
2-Methylnaphthylene	2240	ND	1680	75	70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EP-30

Client: **BRINKERHOFF ENVIRONMENTAL**
 Project: **255 E. 138th Street**
 Work Order: **1601751**

Matrix:	Solid	Analysis Method:	EPA 8270
Prep Batch:	B611403	Prep Method:	EPA 3550B GCMS
Percent Solids:	74.50	Laboratory ID:	B611403-MS1
		Client Sample ID:	1601751-02

ANALYTE	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC.	QC LIMITS REC.
Hexachlorocyclopentadiene	2240	ND	289	13	* 20 - 160
2,4,6-Trichlorophenol	2240	ND	1740	78	70 - 130
2,4,5-Trichlorophenol	2240	ND	1800	80	70 - 130
2-Chloronaphthalene	2240	ND	1710	76	70 - 130
2-Nitroaniline	2240	ND	1860	83	70 - 130
Dimethylphthalate	2240	ND	1670	75	70 - 130
Acenaphthylene	2240	ND	1830	82	70 - 130
3-Nitroaniline	2240	ND	1340	60	* 70 - 130
Acenaphthene	2240	ND	1790	80	70 - 130
2,4-Dinitrophenol	2240	ND	500	22	20 - 160
4-Nitrophenol	2240	ND	51.9	2	* 20 - 160
Dibenzofuran	2240	ND	1750	78	70 - 130
2,6-Dinitrotoluene	2240	ND	1740	78	70 - 130
2,4-Dinitrotoluene	2240	ND	1770	79	70 - 130
2,3,4,6-Tetrachlorophenol	2240	ND	1670	75	70 - 130
Diethyl phthalate	2240	ND	1680	75	70 - 130
4-Chlorophenyl-phenylether	2240	ND	1660	74	70 - 130
Fluorene	2240	ND	1790	80	70 - 130
4-Nitroaniline	2240	ND	1800	80	70 - 130
4,6-Dinitro-2-methylphenol	2240	ND	588	26	* 70 - 130
Carbazole	2240	ND	1950	87	70 - 130
N-Nitrosodiphenylamine	2240	ND	1730	77	20 - 160
Azobenzene	2240	ND	1950	87	70 - 130
4-Bromophenyl-phenylether	2240	ND	1710	76	70 - 130
Hexachlorobenzene	2240	ND	1700	76	70 - 130
Pentachlorophenol	2240	ND	1520	68	20 - 160
Phenanthrene	2240	236	2090	83	70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EP-30

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 E. 138th Street
Work Order: 1601751

Matrix:	Solid	Analysis Method:	EPA 8270
Prep Batch:	B6I1403	Prep Method:	EPA 3550B GCMS
Percent Solids:	74.50	Laboratory ID:	B6I1403-MS1
		Client Sample ID:	1601751-02

ANALYTE	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC.	QC LIMITS REC.
Anthracene	2240	57.7	1910	83	70 - 130
Di-n-butyl phthalate	2240	ND	1710	76	70 - 130
Fluoranthene	2240	388	2470	93	70 - 130
Pyrene	2240	376	2540	97	70 - 130
Butylbenzylphthalate	2240	ND	1810	81	70 - 130
Benzo[a]anthracene	2240	190	2120	86	70 - 130
bis(2-ethylhexyl)phthalate	2240	ND	1790	80	70 - 130
Chrysene	2240	197	2170	88	70 - 130
Di-n-octyl phthalate	2240	ND	2930	131	* 70 - 130
Benzo[b]fluoranthene	2240	211	3020	126	70 - 130
Benzo[k]fluoranthene	2240	83.7	2180	94	70 - 130
Benzo[a]pyrene	2240	178	2290	95	70 - 130
Indeno(1,2,3-cd)pyrene	2240	81.4	1020	42	* 70 - 130
Dibenzo(a,h)anthracene	2240	ND	1020	46	* 70 - 130
Benzo[ghi]perylene	2240	88.6	838	33	* 70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EP-30

Client: BRINKERHOFF ENVIRONMENTAL
 Project: 256 E. 138th Street
 Work Order: 1601751

Matrix:	Solid	Analysis Method:	EPA 8270
Prep Batch:	B611403	Prep Method:	EPA 3550B GCMS
Percent Solids:	74.50	Laboratory ID:	B611403-MSD1
		Client Sample ID:	1601751-02

ANALYTE	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
Pyridine	2240	740	33	16	30	20 - 160
N-Nitrosodimethylamine	2240	1590	71	4	30	20 - 160
Aniline	2240	1360	61	0.8	30	20 - 160
Phenol	2240	1850	83	2	30	20 - 160
bis(2-chloroethyl)ether	2240	1760	78	3	30	70 - 130
2-Chlorophenol	2240	1750	78	3	30	70 - 130
1,3-Dichlorobenzene	2240	1560	70	2	30	70 - 130
1,4-Dichlorobenzene	2240	1570	70	2	30	70 - 130
Benzyl alcohol	2240	1680	75	2	30	20 - 160
1,2-Dichlorobenzene	2240	1600	71	3	30	70 - 130
2-Methylphenol	2240	1730	77	3	30	20 - 160
bis(2-chloroisopropyl)ether	2240	1660	74	4	30	70 - 130
3 & 4-Methylphenol	2240	1780	79	3	30	20 - 160
N-Nitroso-di-n-propylamine	2240	1640	73	4	30	70 - 130
Hexachloroethane	2240	1340	60	4	30	20 - 160
Nitrobenzene	2240	1690	76	2	30	70 - 130
Isophorone	2240	1690	76	3	30	70 - 130
2-Nitrophenol	2240	1610	72	1	30	70 - 130
2,4-Dimethylphenol	2240	1670	74	5	30	70 - 130
bis(2-chloroethoxy)methane	2240	1700	76	0.7	30	70 - 130
2,4-Dichlorophenol	2240	1800	80	3	30	70 - 130
1,2,4-Trichlorobenzene	2240	1610	72	1	30	70 - 130
Naphthalene	2240	1640	73	2	30	70 - 130
4-Chloroaniline	2240	888	40	11	30	20 - 160
Hexachlorobutadiene	2240	1510	67	3	30	70 - 130
4-Chloro-3-methylphenol	2240	1820	81	1	30	70 - 130
2-Methylnaphthylene	2240	1730	77	3	30	70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EP-30

Client: BRINKERHOFF ENVIRONMENTAL
 Project: 255 E. 138th Street
 Work Order: 1601751

Matrix:	Solid	Analysis Method:	EPA 8270
Prep Batch:	B611403	Prep Method:	EPA 3550B GCMS
Percent Solids:	74.50	Laboratory ID:	B611403-MSD1
		Client Sample ID:	1601751-02

ANALYTE	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
Hexachlorocyclopentadiene	2240	261	12 *	10	30	20 - 160
2,4,6-Trichlorophenol	2240	1770	79	2	30	70 - 130
2,4,5-Trichlorophenol	2240	1820	81	1	30	70 - 130
2-Chloronaphthalene	2240	1750	78	2	30	70 - 130
2-Nitroaniline	2240	1860	83	0.1	30	70 - 130
Dimethylphthalate	2240	1730	77	3	30	70 - 130
Acenaphthylene	2240	1850	83	1	30	70 - 130
3-Nitroaniline	2240	1370	61 *	2	30	70 - 130
Acenaphthene	2240	1810	81	1	30	70 - 130
2,4-Dinitrophenol	2240	402	18 *	22	30	20 - 160
4-Nitrophenol	2240	54.1	2 *	4	30	20 - 160
Dibenzofuran	2240	1760	79	0.4	30	70 - 130
2,6-Dinitrotoluene	2240	1700	76	2	30	70 - 130
2,4-Dinitrotoluene	2240	1770	79	0.2	30	70 - 130
2,3,4,6-Tetrachlorophenol	2240	1690	76	1	30	70 - 130
Diethyl phthalate	2240	1710	76	2	30	70 - 130
4-Chlorophenyl-phenylether	2240	1680	75	1	30	70 - 130
Fluorene	2240	1760	79	2	30	70 - 130
4-Nitroaniline	2240	1790	80	0.4	30	70 - 130
4,6-Dinitro-2-methylphenol	2240	451	20 *	27	30	70 - 130
Carbazole	2240	1910	86	2	30	70 - 130
N-Nitrosodiphenylamine	2240	1730	77	0	30	20 - 160
Azobenzene	2240	1950	87	0.2	30	70 - 130
4-Bromophenyl-phenylether	2240	1700	76	0.6	30	70 - 130
Hexachlorobenzene	2240	1720	77	1	30	70 - 130
Pentachlorophenol	2240	1500	67	2	30	20 - 160
Phenanthrene	2240	1920	75	9	30	70 - 130



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EP-30

Client: **BRINKERHOFF ENVIRONMENTAL**
 Project: **255 E. 138th Street**
 Work Order: **1601751**

Matrix:	Solid	Analysis Method:	EPA 8270
Prep Batch:	B611403	Prep Method:	EPA 3550B GCMS
Percent Solids:	74.50	Laboratory ID:	B611403-MSD1
		Client Sample ID:	1601751-02

ANALYTE	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
Anthracene	2240	1850	80	3	30	70 - 130
Di-n-butyl phthalate	2240	1700	76	0.6	30	70 - 130
Fluoranthene	2240	2180	80	13	30	70 - 130
Pyrene	2240	2460	93	3	30	70 - 130
Butylbenzylphthalate	2240	1950	87	8	30	70 - 130
Benzo[a]anthracene	2240	1960	79	8	30	70 - 130
bis(2-ethylhexyl)phthalate	2240	1910	86	7	30	70 - 130
Chrysene	2240	1980	80	9	30	70 - 130
Di-n-octyl phthalate	2240	3950	177 *	30 *	30	70 - 130
Benzo[b]fluoranthene	2240	2920	121	3	30	70 - 130
Benzo[k]fluoranthene	2240	2370	102	8	30	70 - 130
Benzo[a]pyrene	2240	2180	89	5	30	70 - 130
Indeno(1,2,3-cd)pyrene	2240	874	35 *	15	30	70 - 130
Dibenzo(a,h)anthracene	2240	915	41 *	11	30	70 - 130
Benzo[ghi]perylene	2240	719	28 *	15	30	70 - 130



LCS / LCS DUPLICATE RECOVERY

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 E. 138th Street
Work Order: 1601751

Matrix:	Solid	Prep Method:	EPA 3550B GCMS
Prep Batch:	B6I1403	Lab Sample ID:	B6I1403-BS1

ANALYTE	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC.	QC LIMITS REC.
Pyridine	1670	1090	65	20 - 160
N-Nitrosodimethylamine	1670	1260	76	20 - 160
Aniline	1670	1290	78	20 - 160
Phenol	1670	1470	88	20 - 160
bis(2-chloroethyl)ether	1670	1360	81	70 - 130
2-Chlorophenol	1670	1330	80	70 - 130
1,3-Dichlorobenzene	1670	1160	70	70 - 130
1,4-Dichlorobenzene	1670	1150	69*	70 - 130
Benzyl alcohol	1670	1330	80	20 - 160
1,2-Dichlorobenzene	1670	1190	71	70 - 130
2-Methylphenol	1670	1360	81	20 - 160
bis(2-chloroisopropyl)ether	1670	1290	78	70 - 130
3 & 4-Methylphenol	1670	1390	83	20 - 160
N-Nitroso-di-n-propylamine	1670	1330	80	70 - 130
Hexachloroethane	1670	1200	72	20 - 160
Nitrobenzene	1670	1280	77	70 - 130
Isophorone	1670	1310	79	70 - 130
2-Nitrophenol	1670	1230	74	70 - 130
2,4-Dimethylphenol	1670	1280	77	70 - 130
bis(2-chloroethoxy)methane	1670	1330	80	70 - 130
2,4-Dichlorophenol	1670	1290	77	70 - 130
1,2,4-Trichlorobenzene	1670	1140	69	70 - 130
Naphthalene	1670	1210	73	70 - 130
4-Chloroaniline	1670	1010	61	70 - 130
Hexachlorobutadiene	1670	1060	64	70 - 130
4-Chloro-3-methylphenol	1670	1380	83	70 - 130
2-Methylnaphthylene	1670	1280	77	70 - 130
Hexachlorocyclopentadiene	1670	980	59	20 - 160



LCS / LCS DUPLICATE RECOVERY

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
 Project: 255 E. 138th Street
 Work Order: 1601751

Matrix:	Solid	Prep Method:	EPA 3550B GCMS
Prep Batch:	B611403	Lab Sample ID:	B611403-BS1

ANALYTE	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC.	QC LIMITS REC.
2,4,6-Trichlorophenol	1670	1260	76	70 - 130
2,4,5-Trichlorophenol	1670	1240	75	70 - 130
2-Chloronaphthalene	1670	1260	75	70 - 130
2-Nitroaniline	1670	1380	83	70 - 130
Dimethylphthalate	1670	1370	82	70 - 130
Acenaphthylene	1670	1270	76	70 - 130
3-Nitroaniline	1670	1240	74	70 - 130
Acenaphthene	1670	1300	78	70 - 130
2,4-Dinitrophenol	1670	979	59	20 - 160
4-Nitrophenol	1670	1210	73	20 - 160
Dibenzofuran	1670	1270	76	70 - 130
2,6-Dinitrotoluene	1670	1330	80	70 - 130
2,4-Dinitrotoluene	1670	1330	80	70 - 130
2,3,4,6-Tetrachlorophenol	1670	1130	68	70 - 130
Diethyl phthalate	1670	1310	78	70 - 130
4-Chlorophenyl-phenylether	1670	1230	74	70 - 130
Fluorene	1670	1290	77	70 - 130
4-Nitroaniline	1670	1410	85	70 - 130
4,6-Dinitro-2-methylphenol	1670	1130	68	70 - 130
Carbazole	1670	1350	81	70 - 130
N-Nitrosodiphenylamine	1670	1320	79	20 - 160
Azobenzene	1670	1500	90	70 - 130
4-Bromophenyl-phenylether	1670	1270	76	70 - 130
Hexachlorobenzene	1670	1230	74	70 - 130
Pentachlorophenol	1670	888	53	20 - 160
Phenanthrene	1670	1290	78	70 - 130
Anthracene	1670	1290	78	70 - 130
Di-n-butyl phthalate	1670	1320	79	70 - 130



LCS / LCS DUPLICATE RECOVERY

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 E. 138th Street
Work Order: 1601751

Matrix:	Solid	Prep Method:	EPA 3550B GCMS
Prep Batch:	B611403	Lab Sample ID:	B611403-BS1

ANALYTE	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC.	QC LIMITS REC.
Fluoranthene	1670	1300	78	70 - 130
Pyrene	1670	1390	84	70 - 130
Butylbenzylphthalate	1670	1410	84	70 - 130
Benzo[a]anthracene	1670	1300	78	70 - 130
bis(2-ethylhexyl)phthalate	1670	1350	81	70 - 130
Chrysene	1670	1350	81	70 - 130
Di-n-octyl phthalate	1670	1350	81	70 - 130
Benzo[b]fluoranthene	1670	1290	78	70 - 130
Benzo[k]fluoranthene	1670	1360	82	70 - 130
Benzo[a]pyrene	1670	1360	82	70 - 130
Indeno(1,2,3-cd)pyrene	1670	1410	85	70 - 130
Dibenzo(a,h)anthracene	1670	1430	86	70 - 130
Benzo[ghi]perylene	1670	1460	87	70 - 130

* Values outside of QC limits



CONTINUING CALIBRATION VERIFICATION

EPA 8270

Client: **BRINKERHOFF ENVIRONMENTAL**
 Work Order: **1601751**
 Project: **255 E. 138th Street**

Instrument ID: **GC/MS F**

Calibration: **16H2202**

Lab File ID: **F14294.D**

Calibration Date: **08/15/16 15:46**

Sequence: **S611511**

Injection Date: **09/15/16**

Lab Sample ID: **S611511-CCV1**

Injection Time: **13:20**

COMPOUND	TYPE	CONC. (mg/L)		RESPONSE FACTOR			% DIFF	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Pyridine	A	50.0	56.2	0.8886553	0.9986706		12.4	
N-Nitrosodimethylamine	A	50.0	56.0	0.6059328	0.6792287		12.1	
Benzaldehyde	A	50.0	56.8	0.1877297	0.2132868		13.6	
Aniline	A	50.0	51.4	2.01292	2.071474		2.9	
Phenol	A	50.0	54.7	1.710699	1.870587		9.3	20
bis(2-chloroethyl)ether	A	50.0	54.1	1.45391	1.572951		8.2	
2-Chlorophenol	A	50.0	50.6	1.440342	1.45885		1.3	
1,3-Dichlorobenzene	A	50.0	48.8	1.547319	1.508837		-2.5	
1,4-Dichlorobenzene	A	50.0	48.6	1.604884	1.55972		-2.8	20
Benzyl alcohol	A	50.0	52.2	1.121277	1.169676		4.3	
1,2-Dichlorobenzene	A	50.0	49.9	1.531773	1.528379		-0.2	
2-Methylphenol	A	50.0	51.8	1.315402	1.36173		3.5	
bis(2-chloroisopropyl)ether	A	50.0	51.9	1.557541	1.616483		3.8	
Acetophenone	A	50.0	49.4	1.896367	1.87283		-1.2	
3 & 4-Methylphenol	A	50.0	51.6	1.416771	1.462423		3.2	
N-Nitroso-di-n-propylamine	A	50.0	51.6	1.035407	1.069144	0.05	3.3	
Hexachloroethane	A	50.0	51.9	0.6304627	0.6539401		3.7	
Nitrobenzene	A	50.0	50.7	0.3433064	0.3482047		1.4	
Isophorone	A	50.0	50.1	0.7453566	0.7463631		0.1	
2-Nitrophenol	A	50.0	49.7	0.2295834	0.2283539		-0.5	20
2,4-Dimethylphenol	A	50.0	50.3	0.3583662	0.3602653		0.5	
Benzoic acid	L	50.0	54.2	0.1636113	0.2340252		43.0	
bis(2-chloroethoxy)methane	A	50.0	51.7	0.4552118	0.470992		3.5	



LCS / LCS DUPLICATE RECOVERY

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
 Project: 265 E. 138th Street
 Work Order: 1601751

Matrix:	Solid	Prep Method:	EPA 3550B
Prep Batch:	B611402	Lab Sample ID:	B611402-BS1
Column:	1		

ANALYTE	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC.	QC LIMITS REC.
alpha-BHC	10.0	12.2	122	40 - 140
beta-BHC	10.0	10.4	104	40 - 140
delta-BHC	10.0	12.6	126	40 - 140
gamma-BHC [Lindane]	10.0	12.9	129	40 - 140
Heptachlor	10.0	12.4	124	40 - 140
Aldrin	10.0	11.6	116	40 - 140
Heptachlor Epoxide	10.0	11.9	119	40 - 140
Endosulfan I	10.0	9.63	96.3	40 - 140
Dieldrin	10.0	12.9	129	40 - 140
4,4'-DDE	10.0	11.9	119	40 - 140
Endrin	10.0	13.7	137	40 - 140
Endosulfan II	10.0	11.9	119	40 - 140
4,4'-DDD	10.0	12.7	127	40 - 140
Endosulfan sulfate	10.0	13.5	135	40 - 140
4,4'-DDT	10.0	12.7	127	40 - 140
Methoxychlor	10.0	14.8	148	40 - 140
Endrin ketone	10.0	12.9	129	40 - 140
Endrin aldehyde	10.0	12.8	128	40 - 140
alpha-Chlordane	10.0	12.8	128	40 - 140
gamma-Chlordane	10.0	11.5	115	40 - 140



SERIAL DILUTION

EPA 6010

Laboratory:	Accredited Analytical Resources LLC	Work Order:	1601751
Client:	BRINKERHOFF ENVIRONMENTAL	Project:	255 E. 138th Street
Matrix:	Solid	Laboratory ID:	S6I1308-SRD1
Sequence:	S6I1308	Source:	ZZZZZZZ

Analyte	Initial Sample Result (I)	Serial Dilution Result (S)	% Difference	Q	QC Limits % Difference
Lead	93.9	104	10.4	*	10.00
Antimony	ND	ND	N/A		10.00
Arsenic	4.16	ND	N/A		10.00
Barium	154	155	0.912		10.00
Beryllium	ND	ND	N/A		10.00
Cadmium	0.864	ND	N/A		10.00
Calcium	5630	5930	5.27		10.00
Chromium	30.3	31.4	3.59		10.00
Cobalt	16.5	ND	N/A		10.00
Aluminum	12300	12400	1.10		10.00
Iron	20400	22800	11.2	*	10.00
Zinc	147	160	8.28		10.00
Magnesium	3770	3900	3.36		10.00
Manganese	386	410	6.06		10.00
Nickel	17.2	ND	N/A		10.00
Potassium	1990	2010	1.11		10.00
Selenium	ND	ND	N/A		10.00
Silver	ND	ND	N/A		10.00
Sodium	187	ND	N/A		10.00
Thallium	ND	ND	N/A		10.00
Vanadium	36.7	36.8	0.407		10.00
Copper	32.6	34.6	5.83		10.00

* Values outside of QC limits

Appendix C

*Validator
Qualifications*

KENNETH R. APPLIN
Geochemist/Data Validator

Ph.D., Geochemistry and Mineralogy, The Pennsylvania State University

M.S., Geochemistry and Mineralogy, The Pennsylvania State University

B.A., Geological Sciences, SUNY at Geneseo, NY

Dr. Applin has over 35 years of experience working with the geochemistry of natural waters. His prior experience includes working as an Assistant Professor of Geology at the University of Missouri-Columbia and as Chief Hydrogeologist and Geochemist with a leading engineering firm in Rochester, NY. In 1993, he established KR Applin and Associates, a small consulting business that focuses on the geochemistry of natural waters, especially as applied to problems involving the contamination of groundwater and surface water.

Dr. Applin is also an experienced analytical data validator and has provided data validation services since 1994 to a variety of clients performing brownfield cleanup projects, hazardous waste remediation, groundwater monitoring at solid waste facilities, and other projects requiring third-party data validation. Dr. Applin has several years of hands-on experience with the laboratory analysis of natural waters and has successfully completed the USEPA Region II certification courses for performing inorganic and organic analytical data validation.

MICHAEL K. PERRY
Chemist/Data Validator

B.S. Chemistry, Georgia State University, Atlanta, GA

A.A.S., Chemical Technology, Alfred State College, Alfred, NY

Mr. Perry has over 30 years of experience in the analytical laboratory business. During his early career, he spent several years as a laboratory analyst performing the analysis of soil, water, and air samples for inorganic and organic chemical parameters. During his last 20 years in the environmental laboratory business, he managed and directed two major analytical laboratories in Rochester, NY. His management responsibilities included oversight of the daily operations of the lab, staff training and supervision, the selection, purchase, and maintenance of analytical instruments, the introduction of new laboratory methods, analytical quality assurance and quality control, data acquisition and management, and other business-related activities.

Mr. Perry has an extensive working knowledge of the methods and procedures used for sampling and analyzing both inorganic and organic analytes in soil, water, and air. He is an accomplished laboratory chemist and is familiar with the analytical methods and procedures established under the USEPA Contract Laboratory Protocols (CLP), the NYSDEC Analytical Services Protocols (ASP), and the NYSDOH Environmental Laboratory Approval Program (ELAP).

DATA USABILITY SUMMARY REPORT (DUSR)

**Former G & C Services
255 East 138th Street
Bronx, NY
NYSDEC BCP # C203057**

SDG: 1601783
1 Soil Sample

Prepared for:

**Brinkerhoff Environmental Services, Inc.
1805 Atlantic Avenue
Manasquan, NJ 08736**

October 2016



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Summaries of Validated Results

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REVIEWER'S NARRATIVE
SDG 1601783

The data associated with this Sample Delivery Group (SDG) 1601783, analyzed by Accredited Analytical Resources, LLC, Carteret, NJ have been reviewed in accordance with assessment criteria provided by the New York State Department of Environmental Conservation following the review procedures provided in the USEPA Functional Guidelines for evaluating organic and inorganic data.

All analytical results reported by the laboratory are considered valid and acceptable except results that have been qualified as rejected, "R". Results qualified as estimated "J", or as non-detects, "U", are considered usable for the purpose of evaluating water and/or soil quality. However, these qualifiers indicate that the accuracy and/or precision of the analytical result is questionable. A summary of all data that have been qualified and the reasons for qualification are provided in the following data usability summary report (DUSR).

Two facts should be noted by all data users. First, the "R" qualifier means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the analyte is present or not. Values qualified with an "R" should not appear on the final data tables because they cannot be relied upon, even as the last resort. Second, no analyte concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error.

Reviewer's Signature: Michael K. Perry Date: 10/29/16
Michael K. Perry
Chemist

1.0 SUMMARY

SITE:	255 East 138 th Street. Bronx, NY
SAMPLING DATE:	September 16, 2016
SAMPLE TYPE:	1 soil sample
LABORATORY:	Accredited Analytical Resources, LLC. Carteret, NJ
SDG No.:	1601783

2.0 INTRODUCTION

This data usability summary report (DUSR) was prepared in accordance with guidance provided by the New York State Department of Environmental Conservation (NYSDEC). The DUSR is based on a review and evaluation of the laboratory analytical data package. Specifically, the NYSDEC guidance recommends review and evaluation of the following elements of the data package:

- Completeness of the data package as defined under the requirements of the NYSDEC Analytical Services Protocols (ASP) Category B or the United States Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) deliverables,
- Compliance with established analyte holding times,
- Adherence to quality control (QC) limits and specifications for blanks, instrument tuning and calibration, surrogate recoveries, spike recoveries, laboratory duplicate analyses, and other QC criteria,
- Adherence to established analytical protocols,
- Conformance of data summary sheets with raw analytical data, and
- Use of correct data qualifiers.

Data deficiencies, analytical protocol deviations, and quality control problems identified using the review criteria above and their effect on the analytical results are discussed in this report.

3.0 SAMPLE AND ANALYSIS SUMMARY

The data package consists of analytical results for one soil sample collected on September 16, 2016. This sample was analyzed for volatile organic compounds, semi-volatile organic compounds, pesticides, polychlorinated biphenyls (PCBs), TAL metals, hexavalent chromium, and total cyanide.

All laboratory analyses were performed by Accredited Analytical Resources, LLC., Carteret, NJ and analyzed as SDG 1601783. The analytical results were provided in NYSDEC ASP Category B format, which includes all raw analytical data and laboratory QC data.

4.0 GUIDANCE DOCUMENTS AND DATA REVIEW CRITERIA

The guidance documents used for reviewing laboratory quality control (QC) data and assigning data qualifiers (flags) to analytical results are listed in Table 4-1. The QC limits established in the documents applicable to this data review were used to assess the quality of the analytical results. In some cases, however, QC limits established internally by the laboratory were taken into account to determine data quality.

The QC criteria considered for assessing the usability of the reported analytical results provided for each analyte type (i.e. VOCs, SVOCs, metals, etc.) are listed in Table 4-2. These criteria may vary with the analytical method utilized by the laboratory. These criteria comply with the guidance recommended in Section 2.0 above.

5.0 DATA VALIDATION QUALIFIERS

The letter qualifiers (flags) used to define data usability are described briefly below. These letters are assigned by the data validator to analytical results having questionable accuracy and/or precision as determined by reviewing the laboratory QC data associated with the analytical results.

TABLE 4-1

DATA VALIDATION GUIDANCE DOCUMENTS

Analyte Type	Validation Guidance
VOCs	<p>USEPA, 2008, Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry; SW-846 Method 8260B; SOP # HW-24, Rev. 2.</p> <p>USEPA, 2008, Statement of Work for Organic Analysis of Low/Medium Concentration of Volatile Organic Compounds SOM01.2; SOP HW-33, Rev. 2.</p>
SVOCs	USEPA, 2007, Statement of Work for Organic Analysis of Low/Medium Concentration of Semivolatile Organic Compounds SOM01.2; SOP HW-35, Rev. 1.
Pesticides/PCBs	USEPA, 2006, CLP Organics Data Review and Preliminary Review (CLP/SOW OLMO 4.3); SOP # HW-6, Rev. 14, Part C.
Metals	USEPA, 2006, Validation of Metals for the Contract Laboratory Program (CLP) based on SOW ILMO 5.3 (SOP Revision 13), SOP # HW-2, Rev. 13.
Gen Chemistry	NYSDEC, 2005, Analytical Services Protocols (ASP)
VOCs (Ambient air)	USEPA, 2006, Validating Air Samples, Volatile Organic Analysis of Ambient Air in Canister by Method TO-15; SOP # HW-31, Rev. 4.

TABLE 4-2

**QUALITY CONTROL CRITERIA USED FOR VALIDATING
LABORATORY ANALYTICAL DATA**

VOCs	SVOCs	Pesticides/PCEs	Metals	Gen Chemistry	Method TO-15
Completeness of Pkg Sample Condition Holding Time System Monitoring Compounds Lab Control Sample Matrix Spikes Blanks Instrument Tuning Internal Standards Initial Calibration Continuing Calibration Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Time Surrogate Recoveries Lab Control Sample Matrix Spikes Blanks Instrument Tuning Internal Standards Initial Calibration Continuing Calibration Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Time Surrogate Recoveries Matrix Spikes Blanks Instrument Calibration & Verification Analyte ID Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Time Initial/Continuing Calibration CRDL Standards Blanks Interference Check Sample Spike Recoveries Lab Duplicate Lab Control Sample ICP Serial Dilutions Lab Qualifiers Field Duplicate	Completeness of Pkg Sample Condition Holding Times Calibration Lab Control Samples Blanks Spike Recoveries Lab Duplicates	Completeness of Pkg Sample Condition Holding Time Canister Certification Lab Control Sample Instrument Tuning Blanks Initial Calibration & System Performance Daily Calibration Field Duplicate

The laboratory may also use various letters and symbols to flag analytical results generated when QC limits were exceeded. The meanings of these flags may differ from those used by the independent data validator. Those used by the laboratory are provided with the analytical results.

NOTE: The assignment of data qualifiers by the data reviewer (validator) to laboratory analytical results should not necessarily be interpreted by the data user as a measure of laboratory ability or proficiency. Rather, the qualifiers are intended to provide a measure of data accuracy and precision to the data user, which, for example, may provide a level of confidence in determining whether or not standards or cleanup objectives have been met.

- U** The analyte was analyzed for but was not detected at or above the sample quantitation limit.
- J** The analyte was positively identified; the associated numerical value is the *approximate* concentration of the analyte in the sample. (The magnitude of any \pm value associated with the result is not determined by data validation).
- UJ** The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is *approximate* and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R** The sample result is rejected (i.e., is unusable) due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
- N** The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
- JN** The analyte is considered to be "presumptively present." The associated numerical value represents its *approximate* concentration.

The validated analytical results are attached to this report. Validation qualifiers (flags) are indicated using red ink. Data sheets having qualified data are signed and dated by the data reviewer.

6.0 RESULTS OF THE DATA REVIEW

The results of the data review are summarized in Tables 6-1 through 6-6. The tables list the samples where QC criteria were found to exceed acceptable limits and the actions taken to qualify the associated analytical results.

7.0 TOTAL USABLE DATA

For SDG 1601783, one sample was analyzed and results were reported for 191 analytes. Thirteen results were rejected. Even though some results were flagged with a "J" as estimated, all other results (93 %) are considered usable. See the summary table for the analyses that have been rejected and the associated QC reasons.

Table 6-1 **VOCs**

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
EP-31	All analytes	UJ non-detects J detects	Surr. BFB < 70 % QC limit	Sample are estimated
EP-31 EP-31RE	Acetone Methylene Chloride	J all data 10X MB value	Detected in the method blank	No data was affected
EP-31 EP-31RE	Acetone Methylene Chloride	J detects	ICV RPD > 20 %	Sample detects are estimated
EP-31 EP-31RE	Acetone Methylene Chloride	UJ non-detects J detects	CCV % D > 20 %	Samples are estimated

Table 6-2 **SVOCs**

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
EP-31 EP-31RE	All phenolic compounds	R non-detects and J detects	Surr. PHL < 30 % Surr. 2FP and TBP < 10 %	All non-detect phenolics are unusable, detects may be biased low. 13 analytes rejected.
EP-31 EP-31RE	2-Nitroaniline 4-Chloroaniline	"UJ"	LCS < 70 % QC limit	All samples non-detect
EP-31 EP-31RE	2,4 Dinitrophenol	J detects	ICAL > 40 %	See above

Table 6-3 Pesticides

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

Table 6-4 PCBs

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

Table 6-5 TAL Metals

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

Table 6-6 Wet Chemistry

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

ACRONYMS

BSP	Blank Spike
CCAL	Continuing Calibration
CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification
CRDL	Contract Required Detection Limit
CRQL	Contract Required Quantitation Limit
%D	Percent Difference
ICAL	Initial Calibration
ICB	Initial Calibration Blank
IS	Internal Standard
LCS	Laboratory Control Sample
MS/MSD	Matrix Spike/Matrix Spike Duplicate
QA	Quality Assurance
QC	Quality Control
%R	Percent recovery
RPD	Relative Percent Difference
%RSD	Percent Relative Standard Deviation
TAL	Target Analyte List (metals)
TCL	Target Compound List (organics)

Appendix A

Validated Analytical Results



Accredited Analytical Resources, LLC.

ANALYTICAL REPORT

for

BRINKERHOFF ENVIRONMENTAL

1805 Atlantic Ave.

Manasquan, NJ 08736

Project: 255 East 138th Street

AAR Work Order: 1601783

<u>Client Sample ID:</u>	<u>Lab Sample ID:</u>
EP-31	1601783-01
EP-31	1601783-01RE1

This data has been reviewed and accepted by:

Daniel Miguel
Technical Director

10/14/2016

New Jersey Certification Number: 12007
New York Certification Number: 11109
Pennsylvania Certification Number: 68-02799

This report shall not be reproduced, except in its entirety, without the written consent of Accredited Analytical Resources, LLC.
The test results included in this report relate only to the samples analyzed.



Case Narrative

Conformance / Non-Conformance Summary

Accredited Analytical Resources, LLC received 1 sample(s) from BRINKERHOFF ENVIRONMENTAL (Project: 255 East 138th Street) on 09/16/2016 14:10.

All analyses were performed within the required holding time.

In the Volatile Organic analyses, B6I2013-MS1/MSD1 and B6I2307-MS1/MSD1 had compounds recovered outside acceptance criteria due to matrix interference, the LCS's were recovered within acceptance limits for all compounds; therefore, no further action required.

In the BNA analyses, three surrogates (2-Fluorophenol, Phenol-d5 and 2,4,6-Tribromophenol) were out of criteria. The sample was diluted and analyzed and the surrogates were again recovered out of the required criteria.

In the BNA analyses, the laboratory control sample (LCS) for Batch B6I2101 recovered outside control limits for multiple analytes. These analytes were recovered within the house limits; therefore, the data has been reported.

In the BNA analyses, the MS/MSD for Batch B6I2101 had compounds recovered outside acceptance criteria due to matrix interference, the LCS was recovered within acceptance limits for affected compounds; therefore, no further action required.

In the Pesticide analyses, B6I1902-MS1/MSD1 had compounds recovered outside acceptance criteria due to matrix interference, the LCS was recovered within acceptance limits for all compounds; therefore, no further action required.

In the Metals analysis the recoveries of the MS/MSD were outside of acceptance criteria. The QC sample had concentrations too high to be able to determine a spike recovery. The LCS was within acceptance criteria for those metals out in the MS/MSD. The results are included in this data package.

Except for the parameters tested AAR makes no representation as to the fitness or quality of the sample (s) taken.

"The laboratory has reviewed the quality assurance and quality control measurements for the sample analyses."

Daniel Miguel
Technical Director



ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-31
Lab Sample ID: 1601783-01
Project: 255 East 138th Street
Work Order: 1601783

Date Sampled: 09/16/16 10:20	Prep Date: 09/20/16 20:22	Matrix: Soil
Percent Solids: 37.20	Prep Method: EPA 5035A	File ID: A9514.D
Prep Batch: B6I2013	Sequence: S6I2006	Analyzed: 09/20/16 20:22
Dilution: 1		Analyst: SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
107-02-8	Acrolein	ND UJ	25.1	41.9	U
107-13-1	Acrylonitrile	ND ↓	8.37	41.9	U
67-64-1	Acetone	2290 J	4.19	8.37	B, E
75-71-8	Dichlorodifluoromethane	ND UJ	4.19	8.37	U
74-87-3	Chloromethane	ND ↓	4.19	8.37	U
75-01-4	Vinyl chloride	ND ↓	4.19	8.37	U
74-83-9	Bromomethane	ND ↓	4.19	8.37	U
75-00-3	Chloroethane	ND ↓	4.19	8.37	U
75-69-4	Trichlorofluoromethane	ND ↓	4.19	8.37	U
75-35-4	1,1-Dichloroethene	ND ↓	4.19	8.37	U
75-15-0	Carbon disulfide	35.8 J	4.19	8.37	
75-09-2	Methylene Chloride	ND UJ	4.19	8.37	U
156-60-5	trans-1,2-Dichloroethene	ND ↓	4.19	8.37	U
75-34-3	1,1-Dichloroethane	ND ↓	4.19	8.37	U
108-05-4	Vinyl acetate	ND ↓	4.19	8.37	U
590-20-7	2,2-Dichloropropane	ND ↓	4.19	8.37	U
78-93-3	2-Butanone	453 ↓	4.19	8.37	
156-59-4	cis-1,2-Dichloroethene	ND ↓	4.19	8.37	U
67-66-3	Chloroform	ND ↓	4.19	8.37	U
74-97-5	Bromochloromethane	ND ↓	4.19	8.37	U
71-55-6	1,1,1-Trichloroethane	ND ↓	4.19	8.37	U
563-58-6	1,1-Dichloropropene	ND ↓	4.19	8.37	U
56-23-5	Carbon Tetrachloride	ND ↓	4.19	8.37	U
107-06-2	1,2-Dichloroethane	ND ↓	4.19	8.37	U
71-43-2	Benzene	ND ↓	4.19	8.37	U

MTP 10/24/16



ANALYSIS DATA SHEET
EPA 8260

Client: **BRINKERHOFF ENVIRONMENTAL**
 Client Sample ID: **EP-31**
 Lab Sample ID: **1601783-01**
 Project: **255 East 138th Street**
 Work Order: **1601783**

Date Sampled:	09/16/16 10:20	Prep Date:	09/20/16 20:22	Matrix:	Soil
Percent Solids:	37.20	Prep Method:	EPA 5035A	File ID:	A9514.D
Prep Batch:	B6I2013	Sequence:	S6I2006	Analyzed:	09/20/16 20:22
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
79-01-6	Trichloroethene	ND UJ	4.19	8.37	U
78-87-5	1,2-Dichloropropane	ND	4.19	8.37	U
75-27-4	Bromodichloromethane	ND	4.19	8.37	U
74-95-3	Dibromomethane	ND	4.19	8.37	U
110-75-8	2-Chloroethyl vinyl ether	ND	4.19	8.37	U
10061-01-5	cis-1,3-Dichloropropene	ND	4.19	8.37	U
108-88-3	Toluene	5.19 J	4.19	8.37	J
10061-02-6	trans-1,3-Dichloropropene	ND UJ	4.19	8.37	U
79-00-5	1,1,2-Trichloroethane	ND	4.19	8.37	U
108-10-1	4-Methyl-2-pentanone	ND	4.19	8.37	U
106-93-4	1,2-Dibromoethane	ND	4.19	8.37	U
591-78-6	2-Hexanone	ND	4.19	8.37	U
142-28-9	1,3-Dichloropropane	ND	4.19	8.37	U
127-18-4	Tetrachloroethene	ND	4.19	8.37	U
124-48-1	Dibromochloromethane	ND	4.19	8.37	U
100-41-4	Ethylbenzene	5.74 J	4.19	8.37	J
108-90-7	Chlorobenzene	ND UJ	4.19	8.37	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	4.19	8.37	U
108-38-3/106-42	m,p-Xylenes	14.5 J	8.37	16.7	J
95-47-6	o-Xylene	ND UJ	8.37	16.7	U
100-42-5	Styrene	ND	4.19	16.7	U
75-25-2	Bromoform	ND	4.19	8.37	U
98-82-8	Isopropylbenzene	5.07 J	4.19	8.37	J
79-34-5	1,1,2,2-Tetrachloroethane	ND UJ	4.19	8.37	U
96-18-4	1,2,3-Trichloropropane	ND	4.19	8.37	U



ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-31
Lab Sample ID: 1601783-01
Project: 255 East 138th Street
Work Order: 1601783

Date Sampled: 09/16/16 10:20	Prep Date: 09/20/16 20:22	Matrix: Soil
Percent Solids: 37.20	Prep Method: EPA 5035A	File ID: A9514.D
Prep Batch: B6I2013	Sequence: S6I2006	Analyzed: 09/20/16 20:22
Dilution: 1		Analyst: SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
103-65-1	n-Propyl Benzene	7.75 J	4.19	8.37	J
108-86-1	Bromobenzene	ND uJ	4.19	8.37	U
108-67-8	1,3,5-Trimethylbenzene	8.46 J	4.19	8.37	
95-49-8	2-Chlorotoluene	ND uJ	4.19	8.37	U
106-43-4	4-Chlorotoluene	ND ↓	4.19	8.37	U
98-06-6	tert-Butylbenzene	ND ↓	4.19	8.37	U
95-63-6	1,2,4-Trimethylbenzene	36.0 J	4.19	8.37	
135-98-8	sec-Butylbenzene	7.66 J	4.19	8.37	J
99-87-6	p-Isopropyltoluene	ND uJ	4.19	8.37	U
541-73-1	1,3-Dichlorobenzene	ND ↓	4.19	8.37	U
106-46-7	1,4-Dichlorobenzene	ND ↓	4.19	8.37	U
104-51-8	n-Butyl Benzene	8.96 J	4.19	8.37	
95-50-1	1,2-Dichlorobenzene	ND uJ	4.19	8.37	U
96-12-8	1,2-Dibromo-3-chloropropane	ND ↓	4.19	8.37	U
120-82-1	1,2,4-Trichlorobenzene	ND ↓	4.19	8.37	U
87-68-3	Hexachlorobutadiene	ND ↓	4.19	8.37	U
87-61-6	1,2,3-Trichlorobenzene	ND ↓	4.19	8.37	U

<u>Surrogate</u>	<u>% Recovery</u>	<u>Recovery Limits</u>
1,2-Dichloroethane-d4	98%	70-130
Toluene-d8	94%	70-130
Bromofluorobenzene	68%	70-130

* Values outside of QC limits
 ND - Indicates compound analyzed for but not detected
 U - Indicates compound analyzed for but not detected
 J - Indicates estimated value for TICs and all results when detected below the RL
 B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard
 D - Indicates result is based on a dilution
 P - Greater than 25% diff. between 2 GC columns.
 MDL - Minimum detection limit
 RL - Reporting limit

M10810/29/16



ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-31
Lab Sample ID: 1601783-01RE1
Project: 255 East 138th Street
Work Order: 1601783

Date Sampled:	09/16/16 10:20	Prep Date:	09/23/16 15:06	Matrix:	Soil
Percent Solids:	37.20	Prep Method:	EPA 5035A	File ID:	A9583.D
Prep Batch:	B6I2307	Sequence:	S6I2304	Analyzed:	09/23/16 15:06
Dilution:	20			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
107-02-8	Acrolein	ND	502	837	U
107-13-1	Acrylonitrile	ND	167	837	U
67-64-1	Acetone	1950 J	83.7	167	D
75-71-8	Dichlorodifluoromethane	ND	83.7	167	U
74-87-3	Chloromethane	ND	83.7	167	U
75-01-4	Vinyl chloride	ND	83.7	167	U
74-83-9	Bromomethane	ND	83.7	167	U
75-00-3	Chloroethane	ND	83.7	167	U
75-69-4	Trichlorofluoromethane	ND	83.7	167	U
75-35-4	1,1-Dichloroethene	ND	83.7	167	U
75-15-0	Carbon disulfide	ND	83.7	167	U
75-09-2	Methylene Chloride	ND	83.7	167	U
156-60-5	trans-1,2-Dichloroethene	ND	83.7	167	U
75-34-3	1,1-Dichloroethane	ND	83.7	167	U
108-05-4	Vinyl acetate	ND	83.7	167	U
590-20-7	2,2-Dichloropropane	ND	83.7	167	U
78-93-3	2-Butanone	529	83.7	167	D
156-59-4	cis-1,2-Dichloroethene	ND	83.7	167	U
67-66-3	Chloroform	ND	83.7	167	U
74-97-5	Bromochloromethane	ND	83.7	167	U
71-55-6	1,1,1-Trichloroethane	ND	83.7	167	U
563-58-6	1,1-Dichloropropene	ND	83.7	167	U
56-23-5	Carbon Tetrachloride	ND	83.7	167	U
107-06-2	1,2-Dichloroethane	ND	83.7	167	U
71-43-2	Benzene	ND	83.7	167	U



ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-31
Lab Sample ID: 1601783-01RE1
Project: 255 East 138th Street
Work Order: 1601783

Date Sampled:	09/16/16 10:20	Prep Date:	09/23/16 15:06	Matrix:	Soil
Percent Solids:	37.20	Prep Method:	EPA 5035A	File ID:	A9583.D
Prep Batch:	B6I2307	Sequence:	S6I2304	Analyzed:	09/23/16 15:06
Dilution:	20			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
79-01-6	Trichloroethene	ND	83.7	167	U
78-87-5	1,2-Dichloropropane	ND	83.7	167	U
75-27-4	Bromodichloromethane	ND	83.7	167	U
74-95-3	Dibromomethane	ND	83.7	167	U
110-75-8	2-Chloroethyl vinyl ether	ND	83.7	167	U
10061-01-5	cis-1,3-Dichloropropene	ND	83.7	167	U
108-88-3	Toluene	ND	83.7	167	U
10061-02-6	trans-1,3-Dichloropropene	ND	83.7	167	U
79-00-5	1,1,2-Trichloroethane	ND	83.7	167	U
108-10-1	4-Methyl-2-pentanone	ND	83.7	167	U
106-93-4	1,2-Dibromoethane	ND	83.7	167	U
591-78-6	2-Hexanone	ND	83.7	167	U
142-28-9	1,3-Dichloropropane	ND	83.7	167	U
127-18-4	Tetrachloroethene	ND	83.7	167	U
124-48-1	Dibromochloromethane	ND	83.7	167	U
100-41-4	Ethylbenzene	ND	83.7	167	U
108-90-7	Chlorobenzene	ND	83.7	167	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	83.7	167	U
108-38-3/106-42	m,p-Xylenes	ND	167	335	U
95-47-6	o-Xylene	ND	167	335	U
100-42-5	Styrene	ND	83.7	335	U
75-25-2	Bromoform	ND	83.7	167	U
98-82-8	Isopropylbenzene	ND	83.7	167	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	83.7	167	U
96-18-4	1,2,3-Trichloropropane	ND	83.7	167	U



ANALYSIS DATA SHEET
EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-31
Lab Sample ID: 1601783-01RE1
Project: 255 East 138th Street
Work Order: 1601783

Date Sampled:	09/16/16 10:20	Prep Date:	09/23/16 15:06	Matrix:	Soil
Percent Solids:	37.20	Prep Method:	EPA 5035A	File ID:	A9583.D
Prep Batch:	B6I2307	Sequence:	S6I2304	Analyzed:	09/23/16 15:06
Dilution:	20			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
103-65-1	n-Propyl Benzene	ND	83.7	167	U
108-86-1	Bromobenzene	ND	83.7	167	U
108-67-8	1,3,5-Trimethylbenzene	ND	83.7	167	U
95-49-8	2-Chlorotoluene	ND	83.7	167	U
106-43-4	4-Chlorotoluene	ND	83.7	167	U
98-06-6	tert-Butylbenzene	ND	83.7	167	U
95-63-6	1,2,4-Trimethylbenzene	ND	83.7	167	U
135-98-8	sec-Butylbenzene	ND	83.7	167	U
99-87-6	p-Isopropyltoluene	ND	83.7	167	U
541-73-1	1,3-Dichlorobenzene	ND	83.7	167	U
106-46-7	1,4-Dichlorobenzene	ND	83.7	167	U
104-51-8	n-Butyl Benzene	ND	83.7	167	U
95-50-1	1,2-Dichlorobenzene	ND	83.7	167	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	83.7	167	U
120-82-1	1,2,4-Trichlorobenzene	ND	83.7	167	U
87-68-3	Hexachlorobutadiene	ND	83.7	167	U
87-61-6	1,2,3-Trichlorobenzene	ND	83.7	167	U

Surrogate	% Recovery	Recovery Limits
1,2-Dichloroethane-d4	95%	70-130
Toluene-d8	100%	70-130
Bromofluorobenzene	102%	70-130

* Values outside of QC limits
 ND - Indicates compound analyzed for but not detected
 U - Indicates compound analyzed for but not detected
 J - Indicates estimated value for TICs and all results when detected below the RL
 B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard
 D - Indicates result is based on a dilution
 P - Greater than 25% diff. between 2 GC columns.
 MDL - Minimum detection limit
 RL - Reporting limit



ANALYSIS DATA SHEET
EPA 8270

Client: **BRINKERHOFF ENVIRONMENTAL**
 Client Sample ID: **EP-31**
 Lab Sample ID: **1601783-01**
 Project: **255 East 138th Street**
 Work Order: **1601783**

Date Sampled:	09/16/16 10:20	Prep Date:	09/21/16 05:25	Matrix:	Soil
Percent Solids:	37.20	Prep Method:	EPA 3550B GCMS	File ID:	E11195.D
Prep Batch:	B612101	Sequence:	S612211	Analyzed:	09/22/16 20:33
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
62-75-9	N-Nitrosodimethylamine	ND	89.5	449	U
108-95-2	Phenol	ND R	89.5	449	U
111-44-4	bis(2-chloroethyl)ether	ND	89.5	449	U
95-57-8	2-Chlorophenol	ND R	89.5	449	U
541-73-1	1,3-Dichlorobenzene	ND	89.5	449	U
106-46-7	1,4-Dichlorobenzene	ND	89.5	449	U
100-51-6	Benzyl alcohol	ND	89.5	449	U
95-50-1	1,2-Dichlorobenzene	ND	89.5	449	U
95-48-7	2-Methylphenol	ND R	89.5	449	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	89.5	449	U
106-44-5	3 & 4-Methylphenol	254 J	89.5	449	J
621-64-7	N-Nitroso-di-n-propylamine	ND	89.5	449	U
67-72-1	Hexachloroethane	ND	89.5	449	U
98-95-3	Nitrobenzene	ND	89.5	449	U
78-59-1	Isophorone	ND	89.5	449	U
88-75-5	2-Nitrophenol	ND R	89.5	449	U
105-67-9	2,4-Dimethylphenol	ND R	89.5	449	U
65-85-0	Benzoic acid	ND	223	895	U
111-91-1	bis(2-chloroethoxy)methane	ND	89.5	449	U
120-83-2	2,4-Dichlorophenol	ND R	89.5	449	U
120-82-1	1,2,4-Trichlorobenzene	ND	89.5	449	U
91-20-3	Naphthalene	ND	89.5	449	U
106-47-8	4-Chloroaniline	ND	89.5	449	U
87-68-3	Hexachlorobutadiene	ND	89.5	449	U
59-50-7	4-Chloro-3-methylphenol	ND R	89.5	449	U

mhp 10/21/16



ANALYSIS DATA SHEET
EPA 8270

Client: **BRINKERHOFF ENVIRONMENTAL**
 Client Sample ID: **EP-31**
 Lab Sample ID: **1601783-01**
 Project: **255 East 138th Street**
 Work Order: **1601783**

Date Sampled:	09/16/16 10:20	Prep Date:	09/21/16 05:25	Matrix:	Soil
Percent Solids:	37.20	Prep Method:	EPA 3550B GCMS	File ID:	E11195.D
Prep Batch:	B6I2101	Sequence:	S6I2211	Analyzed:	09/22/16 20:33
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
91-57-6	2-Methylnaphthylene	ND	89.5	449	U
77-47-4	Hexachlorocyclopentadiene	ND	89.5	449	U
88-06-2	2,4,6-Trichlorophenol	ND R	89.5	449	U
95-95-4	2,4,5-Trichlorophenol	ND R	89.5	449	U
91-58-7	2-Chloronaphthalene	ND	89.5	449	U
88-74-4	2-Nitroaniline	ND	89.5	449	U
131-11-3	Dimethylphthalate	ND	89.5	449	U
208-96-8	Acenaphthylene	ND	89.5	449	U
99-09-2	3-Nitroaniline	ND	89.5	449	U
83-32-9	Acenaphthene	ND	89.5	449	U
51-28-5	2,4-Dinitrophenol	ND R	89.5	895	U
100-02-7	4-Nitrophenol	ND R	89.5	449	U
132-64-9	Dibenzofuran	ND	89.5	449	U
606-20-2	2,6-Dinitrotoluene	ND	89.5	449	U
121-14-2	2,4-Dinitrotoluene	ND	89.5	449	U
84-66-2	Diethyl phthalate	ND	89.5	449	U
7005-72-3	4-Chlorophenyl-phenylether	ND	89.5	449	U
86-73-7	Fluorene	ND	89.5	449	U
100-01-6	4-Nitroaniline	ND	89.5	449	U
534-52-1	4,6-Dinitro-2-methylphenol	ND R	89.5	449	U
86-30-6	N-Nitrosodiphenylamine	ND	89.5	449	U
101-55-3	4-Bromophenyl-phenylether	ND	89.5	449	U
118-74-1	Hexachlorobenzene	ND	89.5	449	U
87-86-5	Pentachlorophenol	ND R	89.5	449	U
85-01-8	Phenanthrene	505	89.5	449	



ANALYSIS DATA SHEET
EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
 Client Sample ID: EP-31
 Lab Sample ID: 1601783-01
 Project: 255 East 138th Street
 Work Order: 1601783

Date Sampled:	09/16/16 10:20	Prep Date:	09/21/16 05:25	Matrix:	Soil
Percent Solids:	37.20	Prep Method:	EPA 3550B GCMS	File ID:	E11195.D
Prep Batch:	B6I2101	Sequence:	S6I2211	Analyzed:	09/22/16 20:33
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
120-12-7	Anthracene	127	89.5	449	J
84-74-2	Di-n-butyl phthalate	ND	89.5	449	U
206-44-0	Fluoranthene	980	89.5	449	
129-00-0	Pyrene	814	89.5	449	
85-68-7	Butylbenzylphthalate	ND	89.5	449	U
91-94-1	3,3'-Dichlorobenzidine	ND	223	449	U
56-55-3	Benzo[a]anthracene	453	89.5	449	
117-81-7	bis(2-ethylhexyl)phthalate	ND	89.5	449	U
218-01-9	Chrysene	483	89.5	449	
117-84-0	Di-n-octyl phthalate	ND	89.5	449	U
205-99-2	Benzo[b]fluoranthene	537	89.5	449	
207-08-9	Benzo[k]fluoranthene	244	89.5	449	J
50-32-8	Benzo[a]pyrene	487	89.5	449	
193-39-5	Indeno(1,2,3-cd)pyrene	308	89.5	449	J
53-70-3	Dibenzo(a,h)anthracene	ND	89.5	449	U
191-24-2	Benzo[ghi]perylene	371	89.5	449	J

<u>Surrogate</u>	<u>% Recovery</u>	<u>Recovery Limits</u>
2-Fluorophenol	0.9%	30-130
Phenol-d5	11%	30-130
Nitrobenzene-d5	98%	30-130
2-Fluorobiphenyl	84%	30-130
2,4,6-Tribromophenol	0.8%	30-130
Terphenyl-d14	83%	30-130



ANALYSIS DATA SHEET
EPA 8270

Client: **BRINKERHOFF ENVIRONMENTAL**
 Client Sample ID: **EP-31**
 Lab Sample ID: **1601783-01RE1**
 Project: **255 East 138th Street**
 Work Order: **1601783**

Date Sampled:	09/16/16 10:20	Prep Date:	09/21/16 05:25	Matrix:	Soil
Percent Solids:	37.20	Prep Method:	EPA 3550B GCMS	File ID:	E11196.D
Prep Batch:	B612101	Sequence:	S612211	Analyzed:	09/22/16 21:17
Dilution:	5			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
62-75-9	N-Nitrosodimethylamine	ND	448	2240	U
108-95-2	Phenol	ND R	448	2240	U
111-44-4	bis(2-chloroethyl)ether	ND	448	2240	U
95-57-8	2-Chlorophenol	ND R	448	2240	U
541-73-1	1,3-Dichlorobenzene	ND	448	2240	U
106-46-7	1,4-Dichlorobenzene	ND	448	2240	U
100-51-6	Benzyl alcohol	ND	448	2240	U
95-50-1	1,2-Dichlorobenzene	ND	448	2240	U
95-48-7	2-Methylphenol	ND R	448	2240	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	448	2240	U
106-44-5	3 & 4-Methylphenol	ND R	448	2240	U
621-64-7	N-Nitroso-di-n-propylamine	ND	448	2240	U
67-72-1	Hexachloroethane	ND	448	2240	U
98-95-3	Nitrobenzene	ND	448	2240	U
78-59-1	Isophorone	ND	448	2240	U
88-75-5	2-Nitrophenol	ND R	448	2240	U
105-67-9	2,4-Dimethylphenol	ND R	448	2240	U
65-85-0	Benzoic acid	ND	1120	4480	U
111-91-1	bis(2-chloroethoxy)methane	ND	448	2240	U
120-83-2	2,4-Dichlorophenol	ND R	448	2240	U
120-82-1	1,2,4-Trichlorobenzene	ND	448	2240	U
91-20-3	Naphthalene	ND	448	2240	U
106-47-8	4-Chloroaniline	ND	448	2240	U
87-68-3	Hexachlorobutadiene	ND	448	2240	U
59-50-7	4-Chloro-3-methylphenol	ND R	448	2240	U



ANALYSIS DATA SHEET
EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-31
Lab Sample ID: 1601783-01RE1
Project: 255 East 138th Street
Work Order: 1601783

Date Sampled:	09/16/16 10:20	Prep Date:	09/21/16 05:25	Matrix:	Soil
Percent Solids:	37.20	Prep Method:	EPA 3550B GCMS	File ID:	E11196.D
Prep Batch:	B6I2101	Sequence:	S6I2211	Analyzed:	09/22/16 21:17
Dilution:	5			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
91-57-6	2-Methylnaphthylene	ND	448	2240	U
77-47-4	Hexachlorocyclopentadiene	ND	448	2240	U
88-06-2	2,4,6-Trichlorophenol	ND R	448	2240	U
95-95-4	2,4,5-Trichlorophenol	ND R	448	2240	U
91-58-7	2-Chloronaphthalene	ND	448	2240	U
88-74-4	2-Nitroaniline	ND	448	2240	U
131-11-3	Dimethylphthalate	ND	448	2240	U
208-96-8	Acenaphthylene	ND	448	2240	U
99-09-2	3-Nitroaniline	ND	448	2240	U
83-32-9	Acenaphthene	ND	448	2240	U
51-28-5	2,4-Dinitrophenol	ND R	448	4480	U
100-02-7	4-Nitrophenol	ND R	448	2240	U
132-64-9	Dibenzofuran	ND	448	2240	U
606-20-2	2,6-Dinitrotoluene	ND	448	2240	U
121-14-2	2,4-Dinitrotoluene	ND	448	2240	U
84-66-2	Diethyl phthalate	ND	448	2240	U
7005-72-3	4-Chlorophenyl-phenylether	ND	448	2240	U
86-73-7	Fluorene	ND	448	2240	U
100-01-6	4-Nitroaniline	ND	448	2240	U
534-52-1	4,6-Dinitro-2-methylphenol	ND R	448	2240	U
86-30-6	N-Nitrosodiphenylamine	ND	448	2240	U
101-55-3	4-Bromophenyl-phenylether	ND	448	2240	U
118-74-1	Hexachlorobenzene	ND	448	2240	U
87-86-5	Pentachlorophenol	ND R	448	2240	U
85-01-8	Phenanthrene	545	448	2240	J, D



ANALYSIS DATA SHEET
EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-31
Lab Sample ID: 1601783-01RE1
Project: 255 East 138th Street
Work Order: 1601783

Date Sampled:	09/16/16 10:20	Prep Date:	09/21/16 05:25	Matrix:	Soil
Percent Solids:	37.20	Prep Method:	EPA 3550B GCMS	File ID:	E11196.D
Prep Batch:	B6I2101	Sequence:	S6I2211	Analyzed:	09/22/16 21:17
Dilution:	5			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
120-12-7	Anthracene	ND	448	2240	U
84-74-2	Di-n-butyl phthalate	ND	448	2240	U
206-44-0	Fluoranthene	1070	448	2240	J, D
129-00-0	Pyrene	892	448	2240	J, D
85-68-7	Butylbenzylphthalate	ND	448	2240	U
91-94-1	3,3'-Dichlorobenzidine	ND	1120	2240	U
56-55-3	Benzo[a]anthracene	496	448	2240	J, D
117-81-7	bis(2-ethylhexyl)phthalate	ND	448	2240	U
218-01-9	Chrysene	552	448	2240	J, D
117-84-0	Di-n-octyl phthalate	ND	448	2240	U
205-99-2	Benzo[b]fluoranthene	603	448	2240	J, D
207-08-9	Benzo[k]fluoranthene	ND	448	2240	U
50-32-8	Benzo[a]pyrene	555	448	2240	J, D
193-39-5	Indeno(1,2,3-cd)pyrene	ND	448	2240	U
53-70-3	Dibenzo(a,h)anthracene	ND	448	2240	U
191-24-2	Benzo[ghi]perylene	ND	448	2240	U

<u>Surrogate</u>	<u>% Recovery</u>	<u>Recovery Limits</u>
2-Fluorophenol	0.9%	30-130
Phenol-d5	11%	30-130
Nitrobenzene-d5	102%	30-130
2-Fluorobiphenyl	98%	30-130
2,4,6-Tribromophenol	1%	30-130
Terphenyl-d14	100%	30-130



ANALYSIS DATA SHEET

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-31
Lab Sample ID: 1601783-01
Project: 255 East 138th Street
Work Order: 1601783

Date Sampled:	09/16/16 10:20	Prep Date:	09/19/16 06:09	Matrix:	Soil
Percent Solids:	37.20	Prep Method:	EPA 3550B	File ID:	A23166.D
Prep Batch:	B6I1902	Sequence:	S6I1901	Analyzed:	09/19/16 18:24
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
319-84-6	alpha-BHC	ND	1.77	1.77	U
319-85-7	beta-BHC	ND	1.77	1.77	U
319-86-8	delta-BHC	ND	1.77	1.77	U
58-89-9	gamma-BHC [Lindane]	ND	1.77	1.77	U
76-44-8	Heptachlor	ND	1.77	1.77	U
309-00-2	Aldrin	ND	1.77	1.77	U
1024-57-3	Heptachlor Epoxide	ND	1.77	1.77	U
959-98-8	Endosulfan I	ND	1.77	1.77	U
60-57-1	Dieldrin	ND	3.58	3.58	U
72-55-9	4,4'-DDE	ND	3.58	3.58	U
72-20-8	Endrin	ND	3.58	3.58	U
33213-65-9	Endosulfan II	ND	3.58	3.58	U
72-54-8	4,4'-DDD	ND	3.58	3.58	U
1031-07-8	Endosulfan sulfate	ND	3.58	3.58	U
50-29-3	4,4'-DDT	ND	3.58	3.58	U
72-43-5	Methoxychlor	ND	5.38	17.9	U
53494-70-5	Endrin ketone	ND	3.58	3.58	U
7421-93-4	Endrin aldehyde	ND	3.58	3.58	U
5103-71-9	alpha-Chlordane	ND	1.77	1.77	U
5566-34-7	gamma-Chlordane	ND	1.77	1.77	U
8001-35-2	Toxaphene	ND	89.5	89.5	U
12674-11-2	Aroclor-1016	ND	44.6	89.5	U



ANALYSIS DATA SHEET

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-31
Lab Sample ID: 1601783-01
Project: 255 East 138th Street
Work Order: 1601783

Date Sampled:	09/16/16 10:20	Prep Date:	09/19/16 06:09	Matrix:	Soil
Percent Solids:	37.20	Prep Method:	EPA 3550B	File ID:	A23166.D
Prep Batch:	B611902	Sequence:	S611901	Analyzed:	09/19/16 18:24
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
11104-28-2	Aroclor-1221	ND	44.6	89.5	U
11141-16-5	Aroclor-1232	ND	44.6	89.5	U
53469-21-9	Aroclor-1242	ND	44.6	89.5	U
12672-29-6	Aroclor-1248	ND	44.6	89.5	U
11097-69-1	Aroclor-1254	ND	44.6	89.5	U
11096-82-5	Aroclor-1260	ND	44.6	89.5	U
37324-23-5	Aroclor-1262	ND	44.6	89.5	U
11100-14-4	Aroclor-1268	ND	44.6	89.5	U

<u>Surrogate</u>	<u>% Recovery</u>	<u>Recovery Limits</u>
Tetrachloro-m-xylene	46.0%	30-150
Tetrachloro-m-xylene [2C]	56.3%	30-150
Decachlorobiphenyl	53.5%	30-150
Decachlorobiphenyl [2C]	73.1%	30-150

* Values outside of QC limits
 ND - Indicates compound analyzed for but not detected
 U - Indicates compound analyzed for but not detected
 J - Indicates estimated value for TICs and all results when detected below the RL
 B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard
 D - Indicates result is based on a dilution
 P - Greater than 25% diff. between 2 GC columns.
 MDL - Minimum detection limit
 RL - Reporting limit



ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-31
Lab Sample ID: 1601783-01
Project: 255 East 138th Street
Work Order: 1601783

Date Sampled: 09/16/16 10:20	Matrix: Soil
Percent Solids: 37.20	File ID: 092016B-019

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
7429-90-5	Aluminum	14900	28.8	28.8	1		09/19/16 08:50	EPA 3050B	09/20/16 12:35 LIT	EPA 6010
7439-97-6	Mercury	ND	0.202	0.202	1	U	09/19/16 08:21	EPA 7471A	09/19/16 13:21 PRT	EPA 7471
7440-36-0	Antimony	ND	5.75	5.75	1	U	09/19/16 08:50	EPA 3050B	09/20/16 12:35 LIT	EPA 6010
7440-38-2	Arsenic	4.85	1.44	1.44	1		09/19/16 08:50	EPA 3050B	09/20/16 12:35 LIT	EPA 6010
7440-39-3	Barium	104	28.8	28.8	1		09/19/16 08:50	EPA 3050B	09/20/16 12:35 LIT	EPA 6010
7440-41-7	Beryllium	ND	0.719	0.719	1	U	09/19/16 08:50	EPA 3050B	09/20/16 12:35 LIT	EPA 6010
7440-43-9	Cadmium	0.902	0.719	0.719	1		09/19/16 08:50	EPA 3050B	09/20/16 12:35 LIT	EPA 6010
7440-70-2	Calcium	132000	1800	1800	50	D	09/19/16 08:50	EPA 3050B	09/20/16 13:05 LIT	EPA 6010
7440-47-3	Chromium	61.1	2.88	2.88	1		09/19/16 08:50	EPA 3050B	09/20/16 12:35 LIT	EPA 6010
7440-48-4	Cobalt	8.69	7.19	7.19	1		09/19/16 08:50	EPA 3050B	09/20/16 12:35 LIT	EPA 6010
7440-50-8	Copper	35.2	4.31	4.31	1		09/19/16 08:50	EPA 3050B	09/20/16 12:35 LIT	EPA 6010
7439-89-6	Iron	18200	35.9	35.9	1		09/19/16 08:50	EPA 3050B	09/20/16 12:35 LIT	EPA 6010
7439-92-1	Lead	52.8	1.44	1.44	1		09/19/16 08:50	EPA 3050B	09/20/16 12:35 LIT	EPA 6010
7439-95-4	Magnesium	7880	71.9	71.9	1		09/19/16 08:50	EPA 3050B	09/20/16 12:35 LIT	EPA 6010
7439-96-5	Manganese	458	2.88	2.88	1		09/19/16 08:50	EPA 3050B	09/20/16 12:35 LIT	EPA 6010
7440-02-0	Nickel	21.1	5.75	5.75	1		09/19/16 08:50	EPA 3050B	09/20/16 12:35 LIT	EPA 6010
7440-09-7	Potassium	2020	71.9	71.9	1		09/19/16 08:50	EPA 3050B	09/20/16 12:35 LIT	EPA 6010
7782-49-2	Selenium	ND	5.75	5.75	1	U	09/19/16 08:50	EPA 3050B	09/20/16 12:35 LIT	EPA 6010
7440-22-4	Silver	ND	0.719	0.719	1	U	09/19/16 08:50	EPA 3050B	09/20/16 12:35 LIT	EPA 6010
7440-23-5	Sodium	753	71.9	71.9	1		09/19/16 08:50	EPA 3050B	09/20/16 12:35 LIT	EPA 6010
7440-28-0	Thallium	ND	2.16	4.31	1	U	09/19/16 08:50	EPA 3050B	09/20/16 12:35 LIT	EPA 6010
7440-62-2	Vanadium	46.6	7.19	7.19	1		09/19/16 08:50	EPA 3050B	09/20/16 12:35 LIT	EPA 6010
7440-66-6	Zinc	123	8.63	8.63	1		09/19/16 08:50	EPA 3050B	09/20/16 12:35 LIT	EPA 6010

* Values outside of QC limits

ND - Indicates compound analyzed for but not detected

U - Indicates compound analyzed for but not detected

J - Indicates estimated value for TICs and all results when detected below the RL

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.

MDL - Minimum detection limit

RL - Reporting limit



ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-31
Lab Sample ID: 1601783-01
Project: 255 East 138th Street
Work Order: 1601783

Date Sampled: 09/16/16 10:20	Matrix: Soil
Percent Solids: 37.20	File ID:

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
16065-83-1	Trivalent Chromium	61.1	1.07	1.07	1		09/20/16 12:37	[CALC]	09/22/16 08:15 NNM	[CALC]
1854-02-99	Chromium, Hexava	ND	5.38	5.38	1	U	09/20/16 12:37	SW 846 3060A	09/22/16 08:15 NNM	EPA 7196A
NA	Cyanide (total)	ND	2.69	2.69	1	U	09/22/16 09:32	EPA 9010C	09/22/16 16:12 NNM	EPA 9014

CAS NO.	Analyte	Concentration (%)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
NA	Percent Solids	37.2	0.100	0.100	1		09/19/16 11:59	Percent Solids	09/19/16 16:56 KMC	SM 2540 G

* Values outside of QC limits
 ND - Indicates compound analyzed for but not detected
 U - Indicates compound analyzed for but not detected
 J - Indicates estimated value for TICs and all results when detected below the RL
 B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard
 D - Indicates result is based on a dilution
 P - Greater than 25% diff. between 2 GC columns.
 MDL - Minimum detection limit
 RL - Reporting limit

Appendix B

***Laboratory
QC
Documentation***



SYSTEM MONITORING COMPOUND SUMMARY

EPA 8260

Client: **BRINKERHOFF ENVIRONMENTAL**
Project: **255 East 138th Street**
Work Order: **1601783**

Matrix: **Solid**
Instrument: **GC/MS A**

Lab Sample ID:	1,2-DCE-d4 (70% - 130%)	BFB (70% - 130%)	TCL-d8 (70% - 130%)
1601783-01	98	68*	94
B612013-BLK1	108	98	97
B612013-BS1	109	105	98
B612013-MS1	121	90	95
B612013-MSD1	125	81	92



ANALYSIS DATA SHEET

Blank

Client: BRINKERHOFF ENVIRONMENTAL
 Work Order: 1601783
 Project: 255 East 138th Street

Matrix:	Solid	Laboratory ID:	B6I2013-BLK1	File ID:	A9501.D
Batch:	B6I2013	Prepared:	09/20/16 12:26	Analyzed:	09/20/16 12:26
Column:	1	Preparation:	EPA 5035A	Dilution:	
		Sequence:	S6I2006	Instrument:	GC/MS A

CAS NO.	COMPOUND	CONC. (ug/kg wet)	MDL	RL	Q
107-02-8	Acrolein	ND	6.00	10.0	U
107-13-1	Acrylonitrile	ND	2.00	10.0	U
67-64-1	Acetone	1.91	1.00	2.00	J
75-71-8	Dichlorodifluoromethane	ND	1.00	2.00	U
74-87-3	Chloromethane	ND	1.00	2.00	U
75-01-4	Vinyl chloride	ND	1.00	2.00	U
74-83-9	Bromomethane	ND	1.00	2.00	U
75-00-3	Chloroethane	ND	1.00	2.00	U
75-69-4	Trichlorofluoromethane	ND	1.00	2.00	U
75-35-4	1,1-Dichloroethene	ND	1.00	2.00	U
75-15-0	Carbon disulfide	ND	1.00	2.00	U
75-09-2	Methylene Chloride	3.15	1.00	2.00	
156-60-5	trans-1,2-Dichloroethene	ND	1.00	2.00	U
75-34-3	1,1-Dichloroethane	ND	1.00	2.00	U
108-05-4	Vinyl acetate	ND	1.00	2.00	U
590-20-7	2,2-Dichloropropane	ND	1.00	2.00	U
78-93-3	2-Butanone	ND	1.00	2.00	U
156-59-4	cis-1,2-Dichloroethene	ND	1.00	2.00	U
67-66-3	Chloroform	ND	1.00	2.00	U
74-97-5	Bromochloromethane	ND	1.00	2.00	U
71-55-6	1,1,1-Trichloroethane	ND	1.00	2.00	U
563-58-6	1,1-Dichloropropene	ND	1.00	2.00	U
56-23-5	Carbon Tetrachloride	ND	1.00	2.00	U
107-06-2	1,2-Dichloroethane	ND	1.00	2.00	U



INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8260

Client: **BRINKERHOFF ENVIRONMENTAL**
 Work Order: **1601783**
 Project: **255 East 138th Street**

Calibration:	16H2903	Instrument:	GC/MS A
		Calibration Date:	8/29/2016 7:56:55PM

COMPOUND	Mean RF	RF RSD	LIMIT	Q
Acrolein	5.094183E-02	5.902873		
Acrylonitrile	0.1167273	3.778378		
Acetone	0.1747694	41.54276		
Dichlorodifluoromethane	0.3620657	13.06906		
Chloromethane	0.6446193	7.262679	SPCC (0.1)	
Vinyl chloride	0.6338856	7.791452	CCC (20)	
Bromomethane	0.4973511	6.110204		
Chloroethane	0.2364184	7.428701		
Trichlorofluoromethane	0.6040865	8.703495		
Freon 113	0.5460094	4.513852		
1,1-Dichloroethene	0.8821578	4.055756	CCC (20)	
Carbon disulfide	2.237789	5.996131		
Methyl Acetate	0.2835279	13.47158		
Methylene Chloride	1.877848	96.62287		
trans-1,2-Dichloroethene	0.8991449	6.440984		
1,1-Dichloroethane	1.058622	6.387356	SPCC (0.1)	
Vinyl acetate	0.9809122	4.721133		
2,2-Dichloropropane	0.8359179	3.248966		
2-Butanone	0.1839178	13.22088		
cis-1,2-Dichloroethene	0.8114303	6.048788		
Chloroform	1.02525	3.40079	CCC (20)	
Bromochloromethane	0.3642218	7.373368		
Cyclohexane	0.9915085	4.912063		
1,1,1-Trichloroethane	0.8164359	3.315326		
t-Butyl alcohol	2.729559E-02	4.03008		



INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8260

Client: **BRINKERHOFF ENVIRONMENTAL**
 Work Order: **1601783**
 Project: **255 East 138th Street**

Calibration:	16I2601	Instrument:	GC/MS A
		Calibration Date:	9/22/2016 2:34:38PM

COMPOUND	Mean RF	RF RSD	LIMIT	Q
Acrolein	5.351277E-02	3.266802		
Acrylonitrile	0.1259208	1.826369		
Acetone	0.15486	44.48451		
Dichlorodifluoromethane	0.499218	18.20399		
Chloromethane	0.8073298	8.718946	SPCC (0.1)	
Vinyl chloride	0.7694418	7.703534	CCC (20)	
Bromomethane	0.5686235	8.683739		
Chloroethane	0.2688624	7.617021		
Trichlorofluoromethane	0.6190958	14.38761		
Freon 113	0.6712929	3.935529		
1,1-Dichloroethene	0.7483666	3.886904	CCC (20)	
Carbon disulfide	2.187451	5.255553		
Methyl Acetate	0.2917014	12.91849		
Methylene Chloride	1.217577	76.2124		
trans-1,2-Dichloroethene	0.7800425	2.618897		
1,1-Dichloroethane	0.9053845	1.552322	SPCC (0.1)	
Vinyl acetate	0.9979671	2.328048		
2,2-Dichloropropane	0.6953845	1.781966		
2-Butanone	0.1759346	6.783492		
cis-1,2-Dichloroethene	0.6901689	3.64564		
Chloroform	0.8372235	3.891803	CCC (20)	
Bromochloromethane	0.2956708	3.201543		
Cyclohexane	1.170159	4.798114		
1,1,1-Trichloroethane	0.648608	1.888395		
t-Butyl alcohol	2.808784E-02	5.649641		