

**APPLICATION FOR THE
AGRICULTURAL UTILIZATION OF BIOSOLIDS ON**

**CUNFER FARM
CB-4**

**CARBON COUNTY, PENNSYLVANIA
EAST PENN TOWNSHIP**

Submitted By: KEVIN SMELTZ

Synagro
PO Box B
1600 Dooley Road
Whiteford, MD 21160

JANUARY 19, 2018

Board of Supervisors

East Penn Township
167 Municipal Road
Lehigh, PA 18235

Dear Supervisors,

Synagro, a biosolids and residuals management company will be providing biosolids land application services to the Cunfer Farm, owned by Dennis Cunfer and Wanda Crostley and operated by Dennis Cunfer and Justin Cunfer, located in your township. This activity is regulated by the Pennsylvania Department of Environmental Protection, and requires notification of all landowners adjacent to farms recycling biosolids.

Biosolids are treated and stabilized wastewater treatment residuals, which are land applied as a fertilizer. The material is applied to crops based on nutrient needs. Houses, wells and streams are required to be buffered from non-exceptional quality biosolids land application activities. These site buffer zones will be measured and marked with visible flags in the field prior to any land application on the farm. Exceptional quality biosolids may be spread in these buffer zones. All operations comply with state and federal regulations and sound farm management practices.

Synagro intends to supply the farm with materials from one or more of the following sources:

Lehigh County SA (WMGR-099)	Mahanoy City SA (PAG 08-2211)
Ephrata Borough WWTP (PAG 08-3565 / 07-3508)	Penn Township WWTP (PAG-08-3506)
Allentown WWTP (PAG-08-2203)	Pennridge WTA (PAG-07-0003)
Berks Welfare Tract STP (PAG-08-3522)	Valley Forge SA (PAG-07-0005)
Upper Gwynedd MA (PAG-08-0008)	East Pennsboro WWTP (PAG-08-3515)
Phoenixville WWTP (PAG-08-0003)	York WWTF (PAG-08-3501)
Dover WWTP (PAG-08-3825)	Philadelphia Water Department (PAG-08-0004)
Abington WWTP (PAG-08-0002)	Frederick City WWTP (PAG-08-9904)
Lititz Borough SA (PAG-08-3535)	Wilmington DE WWTP (PAG-08-9601)
Bonneauville MA (PAG-08-3547)	Pottstown Burough Authority (PAG-08-0005)
Manheim WWTP (PAG-08-3551)	Telford SA (PAG-08-0006)
Derry Township MA (PAG-08-3518)	Sod Run WWTP (PAG-08-9909)
Gettysburg MA (PAG-08-3540)	Little Patuxent WRP (PAG-08-9905)
Ballenger Creek WWTP (PAG -08-9903)	Synagro Mid-Atlantic (PABIG-9903)
Lancaster Area SA (PAG-08-3556)	Hanover WWTF (PAG-08-3596)
Sinking Springs WWTP (PAG-08-3567)	Warminster MA (PAG-08-0018)
Lower Allen Township (PAG-08-3510)	New Oxford MA (PAG-08-3600)
New Freedom Borough WWTP (PAG-08-3573)	Harrisburg AWTF (PAG-08-3597)
Lancaster WWTP (PAG-08-3605)	Souderton WWTP (PAG-08-0021)
Easton Area JSA (PAG-08-2219)	Lower Perkiomen Valley RSA (PAG-08-0011)
Exeter Township WWTP (PAG-08-3610)	Hampden Township WWTP (PAG-08-3568)
Northern Lancaster Co. Authority (PAG-08-3611)	Schuylkill Valley SA (PAG-08-2223)
Coatesville STP (PAG-08-0016)	Green Lane-Marlborough JSA (PAG-08-0022)
Valley Forge SA (PAG-08-0023)	Womelsdorf SA (PAG-08-3614)
Bethlehem WWTP (PAG-08-2224)	Annville Twp Authority (PAG-08-3504)
Downingtown RWPCC (PAG-08-0007)	

All of these materials have been approved for land application, on farms in Pennsylvania. All sources being land applied do not exceed PA Title 25 Chapter 271.914 (b) (3) Table 3 Pollutant Concentrations for Exceptional Quality Biosolids.

If you have any questions regarding this project, please call me at (610) 368-5497. You may also contact Timothy Craven of the Pennsylvania Department of Environmental Protection at (570) 830-8032.

Sincerely,



Peter Price
Technical Services Manager



JANUARY 17, 2018

Karin Bristow
770 Smithlane Rd.
Lehigh, PA 18235

Dear Sir or Madam,

Synagro, a biosolids and residuals management company will be providing biosolids land application services to the Cunfer Farm, owned by Dennis Cunfer and Wanda Crostley and operated by Dennis Cunfer and Justin Cunfer. The farm is located in East Penn Township, Carbon County. This activity is regulated by the Pennsylvania Department of Environmental Protection, and requires notification of all landowners adjacent to farms recycling biosolids.

Biosolids are treated and stabilized wastewater treatment residuals, which are land applied as a fertilizer. The material is applied to crops based on nutrient needs. Houses, wells and streams are required to be buffered from non-exceptional quality biosolids land application activities. These site buffer zones will be measured and marked with visible flags in the field prior to any land application on the farm. Exceptional quality biosolids may be spread in these buffer zones. Public access within application areas will be restricted for thirty days following application. All operations comply with state and federal regulations and sound farm management practices.

Synagro intends to supply the farm with materials from one or more of the following sources:

Lehigh County SA (WMGR-099)	Mahanoy City SA (PAG 08-2211)
Ephrata Borough WWTP (PAG 08-3565 / 07-3508)	Penn Township WWTP (PAG-08-3506)
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Downingtown RWPC (PAG-08-0007)	

All of these materials have been approved for land application, on farms in Pennsylvania. All sources being land applied do not exceed PA Title 25 Chapter 271.914 (b) (3) Table 3 Pollutant Concentrations for Exceptional Quality Biosolids. If you have any questions regarding this project, please call me at (610) 368-5497. You may also contact Timothy Craven of the Pennsylvania Department of Environmental Protection at (570) 830-8032.

Sincerely,



Peter B. Price
Technical Services Manager





COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER STANDARDS AND FACILITY REGULATION

CONTRACTUAL CONSENT OF LANDOWNER

(I)(We), the undersigned, hereinafter sometimes referred to as "Landowner," being the owner(s) of Cunfer farm, which consists of 123.3 acres of land located in East Penn Twp and Carbon County, as described

(Site Name)
(Township, Borough, City)
in the deed(s) recorded in the Recorder of Deeds Office Book(s), Page(s) 447-966; 1144-776; 812-820 and shown by crosshatched lines on the map attached hereto which is signed in the original by the landowner, upon which

Attachment A, holder of Permit # Attachment 1-I, proposes to engage in land application of biosolids* or residential septage for which a 30-Day Notice of First Land Application (as applicable) will be made to the Department of Environmental Protection (DEP) and of which this consent will be made a part, **DO HEREBY GRANT THE PERMITTEE(S) OR AGENT(S) FOR THE PERMITTEE(S) THE RIGHT TO ENTER UPON AND USE THE LAND FOR THE PURPOSES OF CONDUCTING THE LAND APPLICATION OF BIOSOLIDS OR RESIDENTIAL SEPTAGE FOR BENEFICIAL USE.** Furthermore, (I) (we), the undersigned, grant to the permittee(s) or the agent(s) for the permittee(s) and to the Commonwealth of Pennsylvania or any of its authorized agents or employees, the right to enter upon the aforesaid land before the initiation of the land application activities or operations and for the duration of the land application activities or operations, for the purposes of inspection, monitoring and maintenance and for the purpose of conducting such pollution abatement or pollution prevention activities as required by the Solid Waste Management Act (35 P.S. §§6018.101-6018.1003), or deemed necessary by DEP to carry out any purpose of the Solid Waste Management Act, the regulations promulgated thereunder and the terms of the permit. In addition, (I) (we) do hereby grant to the Commonwealth, for the aforesaid period of time, a right of entry across any adjoining or contiguous lands owned by (me) (us) in order to have access to the land described herein. It is specifically agreed and understood that this contractual consent gives the Commonwealth the right to enter and inspect the premises, and abate or prevent pollution but does not obligate the Commonwealth to do so, does not constitute any ownership interest by the Commonwealth in the aforesaid land, and does not affect or limit any rights available to the Commonwealth under applicable law.

The Landowner shall have the right to terminate this consent for its convenience, provided it shall notify the Permittee and DEP in writing of such termination.

The Landowner shall notify the Permittee and DEP in writing within 30 days of any sale of the above-referenced property.

In witness whereof and intending to legally bind (myself) (ourselves), (I) (we) have hereunto set (my) (our) hand(s) and seal this 29 day of August, 20 17.

LANDOWNER INDIVIDUAL

DENNIS CUNFER
(Print Name)
Dennis Cunfer
(Signature)

LANDOWNER CORPORATION

By: _____
(Print Name and Title)

(Signature)

ATTEST:

* Kevin Smeltz Tech Services Specialist
(Print Name and Title)
* Kevin Smeltz
(Signature)

*Sewage sludge as defined by Title 25 Pa. Code §271.1 that meets Title 25 Pa. Code Chapter 271, Subchapter J requirements for land application.



Date Prepared/Revised
DEP USE ONLY
Date Received

FORM E-GP CONTRACTUAL CONSENT OF LANDOWNER FOR A GENERAL PERMIT

This form must be fully and accurately completed. All required information must be typed or legibly printed in the spaces provided. If additional space is necessary, identify each attached sheet as Form E-GP, reference the item number and identify the date prepared. The "date prepared/revised" on any attached sheets needs to match the "date prepared/revised" on this page.

General References: XX
SECTION A. SITE IDENTIFIER
Applicant/permittee
Site Name
Facility ID (as issued by DEP)

Instructions: This form should be completed by **each** landowner owning a parcel of land within the permit area. If an applicant is applying for a mobile processing permit or land application of waste, completion of Part A of this form is not required.

(I) (We), the undersigned, are the landowner(s) ("Landowner") of a fee title interest at 366 Confer Lane, Lehighton, PA 18235 on 123.3 acres of land located in, (location of premises)
East Penn Twp (Name and Type of Municipality) Carbon (Name of County)

Pennsylvania, and shown by crosshatched lines on the map attached hereto ("Premises") which is signed in the original by the Landowner upon which WM 68 099

(Solid Waste Management Permit Applicant)
(hereinafter "Applicant") proposes to engage in waste processing and/or beneficial use activities.

Part A: This consent shall be deemed to be a recordable document. Prior to the initiation of solid waste management activities under the permit, this Consent shall be recorded by _____ (Landowner or Applicant)

and entered into the deed book (d.b.v.) index at the office of the recorder of deeds in the county(ies) in which the Premises are located.

Part B: (I) (We), the undersigned DO HEREBY ACKNOWLEDGE THAT THE APPLICANT AND HIS/HER AGENTS AND REPRESENTATIVES HAVE THE RIGHT TO ENTER UPON AND USE THE LAND FOR THE PURPOSES OF CONDUCTING WASTE MANAGEMENT ACTIVITIES for which application for permit, including this Consent, is made to the Department of Environmental Protection ("Department") under the Act of July 7, 1980 (P.L. 280, No. 97), as amended, known as the Solid Waste management Act (35 P.S. §§6018.101 et seq.) and the regulations promulgated pursuant thereto ("Act"). The right the Landowner grants is not the subject of pending civil litigation. (I) (We), the undersigned, (is or is not)

shall also allow the Applicant access to the Premises to carry out pollution prevention or pollution abatement activities as required by the Act or deemed necessary by the Department to carry out any purpose of the Act.

THE LANDOWNER agrees TO ALLOW THE ABOVE-NAMED APPLICANT TO TRANSFER OR (agrees or does not agree)

ASSIGN, BY WRITTEN AGREEMENT, THIS CONTRACTUAL CONSENT TO ANOTHER SOLID WASTE MANAGEMENT FACILITY APPLICANT.

Nothing in this Consent shall preclude or limit the Landowner's authority to terminate the right or privilege of the Applicant to conduct waste management activities on the aforesaid Premises. In the event of such termination, the Landowner shall allow the Applicant ample time to bring to closure all waste management activities.

Part C: (I) (We), the undersigned, do hereby irrevocably grant to the Commonwealth of Pennsylvania or any of its authorized agents, or employees, and to the Applicant the right to enter upon the Premises for the duration of solid waste

management activities and for up to ten (10) years after final closure, as such term is defined by the Act, of a processing facility or up to _____ year(s) after beneficial use activities have ceased for the purposes of inspection, monitoring, and maintenance and for conducting pollution abatement activities deemed necessary by the Department to carry out the purposes or requirements of the Act. (I) (We) do hereby grant in addition to the Commonwealth, for the aforesaid period of time, a right of entry across any lands adjoining or contiguous to the Premises owned by (us) (me) in order to have access to the Premises.

It is specifically agreed and understood that this Consent gives the Commonwealth the right to enter, inspect, monitor, and conduct maintenance or abatement on the Premises to the extent deemed necessary by the Department as a matter within the police power, but does not obligate the Commonwealth to do so, and does not constitute any ownership interest by the Commonwealth in the aforesaid Premises.

In witness whereof and intending to legally bind (myself) (ourselves), (my) (our) heirs, legal representatives, successors, (I) (we) have hereunto set (my) (our) hand(s) and seal this 24 day of August, 20 17.

DENNIS CUNFER
(Print Name of Landowner)

If the Landowner is an Individual:

WITNESS:

+ Kevin Smeltz
(Signature of Witness)

Dennis Cunfer
(Signature of Landowner)

Kevin Smeltz
(Printed or Typed Name of Witness)

DENNIS CUNFER
(Printed or Typed Name of Landowner)

(Signature of Witness)

(Signature of Landowner)

(Printed or Typed Name of Witness)

(Printed or Typed Name of Landowner)

If the Landowner is a Corporation:

ATTEST:

By: _____
(Signature of Secretary or Treasurer)

(Signature of President or V.P.)

(Printed or Typed Name)

(Printed or Typed Name)

(Title)

(Title)

Affix Corporate Seal:



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER STANDARDS AND FACILITY REGULATION
CONTRACTUAL CONSENT OF LANDOWNER

(I)(We), the undersigned, hereinafter sometimes referred to as "Landowner," being the owner(s) of Confer Farm, which consists of 123.3 acres of land located in East Penn Twp, and Carbon County, as described in the deed(s) recorded in the Recorder of Deeds Office Book(s), Page(s) 1144-772 and shown by crosshatched lines on the map attached hereto which is signed in the original by the landowner, upon which Attachment A, holder of Permit # Attachment 1-E, proposes to engage in land

application of biosolids* or residential septage for which a 30-Day Notice of First Land Application (as applicable) will be made to the Department of Environmental Protection (DEP) and of which this consent will be made a part, **DO HEREBY GRANT THE PERMITTEE(S) OR AGENT(S) FOR THE PERMITTEE(S) THE RIGHT TO ENTER UPON AND USE THE LAND FOR THE PURPOSES OF CONDUCTING THE LAND APPLICATION OF BIOSOLIDS OR RESIDENTIAL SEPTAGE FOR BENEFICIAL USE.** Furthermore, (I) (we), the undersigned, grant to the permittee(s) or the agent(s) for the permittee(s) and to the Commonwealth of Pennsylvania or any of its authorized agents or employees, the right to enter upon the aforesaid land before the initiation of the land application activities or operations and for the duration of the land application activities or operations, for the purposes of inspection, monitoring and maintenance and for the purpose of conducting such pollution abatement or pollution prevention activities as required by the Solid Waste Management Act (35 P.S. §§6018.101-6018.1003), or deemed necessary by DEP to carry out any purpose of the Solid Waste Management Act, the regulations promulgated thereunder and the terms of the permit. In addition, (I) (we) do hereby grant to the Commonwealth, for the aforesaid period of time, a right of entry across any adjoining or contiguous lands owned by (me) (us) in order to have access to the land described herein. It is specifically agreed and understood that this contractual consent gives the Commonwealth the right to enter and inspect the premises, and abate or prevent pollution but does not obligate the Commonwealth to do so, does not constitute any ownership interest by the Commonwealth in the aforesaid land, and does not affect or limit any rights available to the Commonwealth under applicable law.

The Landowner shall have the right to terminate this consent for its convenience, provided it shall notify the Permittee and DEP in writing of such termination.

The Landowner shall notify the Permittee and DEP in writing within 30 days of any sale of the above-referenced property.

In witness whereof and intending to legally bind (myself) (ourselves), (I) (we) have hereunto set (my) (our) hand(s) and seal this 24 day of August, 2017.

LANDOWNER INDIVIDUAL

x WANDA CROSTLEY
(Print Name)

Wanda Crostley
(Signature)

LANDOWNER CORPORATION

By: _____
(Print Name and Title)

(Signature)

ATTEST:

x Kevin Smeltz
(Print Name and Title)

Kevin Smeltz Tech. Services Specialist
(Signature)

*Sewage sludge as defined by Title 25 Pa. Code §271.1 that meets Title 25 Pa. Code Chapter 271, Subchapter J requirements for land application.



Date Prepared/Revised
DEP USE ONLY
Date Received

FORM E-GP CONTRACTUAL CONSENT OF LANDOWNER FOR A GENERAL PERMIT

This form must be fully and accurately completed. All required information must be typed or legibly printed in the spaces provided. If additional space is necessary, identify each attached sheet as Form E-GP, reference the item number and identify the date prepared. The "date prepared/revised" on any attached sheets needs to match the "date prepared/revised" on this page.

General References: XX

SECTION A. SITE IDENTIFIER

Applicant/permittee

Site Name

Facility ID (as issued by DEP)

Instructions: This form should be completed by **each** landowner owning a parcel of land within the permit area. If an applicant is applying for a mobile processing permit or land application of waste, completion of Part A of this form is not required.

(I) (We), the undersigned, are the landowner(s) ("Landowner") of a fee title interest at _____
665 Conifer Lane, Lehighton, PA 18235 on 123.3 acres of land located in,

 (location of premises)
East Penn Twp _____ Carbon
 (Name and Type of Municipality) (Name of County)

Pennsylvania, and shown by crosshatched lines on the map attached hereto ("Premises") which is signed in the original by the Landowner upon which WM 62299

 (Solid Waste Management Permit Applicant)
 (hereinafter "Applicant") proposes to engage in waste processing and/or beneficial use activities.

Part A: This consent shall be deemed to be a recordable document. Prior to the initiation of solid waste management activities under the permit, this Consent shall be recorded by _____

 (Landowner or Applicant)

and entered into the deed book (d.b.v.) index at the office of the recorder of deeds in the county(ies) in which the Premises are located.

Part B: (I) (We), the undersigned DO HEREBY ACKNOWLEDGE THAT THE APPLICANT AND HIS/HER AGENTS AND REPRESENTATIVES HAVE THE RIGHT TO ENTER UPON AND USE THE LAND FOR THE PURPOSES OF CONDUCTING WASTE MANAGEMENT ACTIVITIES for which application for permit, including this Consent, is made to the Department of Environmental Protection ("Department") under the Act of July 7, 1980 (P.L. 280, No. 97), as amended, known as the Solid Waste management Act (35, P.S. §§6018.101 et seq.) and the regulations promulgated pursuant thereto ("Act"). The right the Landowner grants is not the subject of pending civil litigation. (I) (We), the undersigned,

 (is or is not)

shall also allow the Applicant access to the Premises to carry out pollution prevention or pollution abatement activities as required by the Act or deemed necessary by the Department to carry out any purpose of the Act.

THE LANDOWNER agrees _____ TO ALLOW THE ABOVE-NAMED APPLICANT TO TRANSFER OR

 (agrees or does not agree)

ASSIGN, BY WRITTEN AGREEMENT, THIS CONTRACTUAL CONSENT TO ANOTHER SOLID WASTE MANAGEMENT FACILITY APPLICANT.

Nothing in this Consent shall preclude or limit the Landowner's authority to terminate the right or privilege of the Applicant to conduct waste management activities on the aforesaid Premises. In the event of such termination, the Landowner shall allow the Applicant ample time to bring to closure all waste management activities.

Part C: (I) (We), the undersigned, do hereby irrevocably grant to the Commonwealth of Pennsylvania or any of its authorized agents, or employees, and to the Applicant the right to enter upon the Premises for the duration of solid waste

management activities and for up to ten (10) years after final closure, as such term is defined by the Act, of a processing facility or up to _____ year(s) after beneficial use activities have ceased for the purposes of inspection, monitoring, and maintenance and for conducting pollution abatement activities deemed necessary by the Department to carry out the purposes or requirements of the Act. (I) (We) do hereby grant in addition to the Commonwealth, for the aforesaid period of time, a right of entry across any lands adjoining or contiguous to the Premises owned by (us) (me) in order to have access to the Premises.

It is specifically agreed and understood that this Consent gives the Commonwealth the right to enter, inspect, monitor, and conduct maintenance or abatement on the Premises to the extent deemed necessary by the Department as a matter within the police power, but does not obligate the Commonwealth to do so, and does not constitute any ownership interest by the Commonwealth in the aforesaid Premises.

In witness whereof and intending to legally bind (myself) (ourselves), (my) (our) heirs, legal representatives, successors, (I) (we) have hereunto set (my) (our) hand(s) and seal this 24 day of August, 2017.

X WANDA CROSTLEY
(Print Name of Landowner)

If the Landowner is an Individual:

WITNESS:

[Signature]
(Signature of Witness)

(Signature of Witness)

James Grove
(Printed or Typed Name of Witness)

(Signature of Witness)

(Printed or Typed Name of Witness)

X Wanda Crostley
(Signature of Landowner)

(Signature of Landowner)

X WANDA CROSTLEY
(Printed or Typed Name of Landowner)

(Printed or Typed Name of Landowner)

(Signature of Landowner)

(Printed or Typed Name of Landowner)

If the Landowner is a Corporation:

ATTEST:

By: _____
(Signature of Secretary or Treasurer)

(Printed or Typed Name)

(Title)

(Signature of President or V.P.)

(Printed or Typed Name)

(Title)

Affix Corporate Seal:



To Whom It May Concern:

I hereby consent to allow biosolids to be spread on the Cunfer Farm on land that is within 300 feet of my dwelling and / or well. I understand that such a waiver is allowed by the Department of Environmental Protection in Regulation 271.915 which states that biosolids application may not be conducted "within 300 feet from an occupied dwelling or water source unless the current owner has provided a written waiver consenting to activities closer than 300 feet.

DENNIS CUNFER

Landowner name

Dennis Cunfer

Landowner signature

8/24/17

Date

236 Smith Lane Rd
Lehrighton, PA

351 / 386 Cunfer Lane
Lehrighton, PA

936 Friendship Rd
Lehrighton, PA



To Whom It May Concern:

I hereby consent to allow biosolids to be spread on the Crostley Farm on land that is within 300 feet of my dwelling and/or well. I understand that such waiver is allowed by the Department of Environmental Protection in Regulation 271.915 which states that biosolids application may not be conducted "within 300 feet from an occupied dwelling or water source unless the current owner has provided a written waiver consenting to activities closer than 300 feet."

Address:

* 365 CUNFER LANE
* LEHIGHTON PA 18235

* WANDA CROSTLEY
(Name Printed)

* Wanda Crostley
(Signature)

* 11/2/18
(Date)



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER STANDARDS AND FACILITY REGULATION

NOTIFICATION OF FIRST LAND APPLICATION (30-Day Notice)

PERMITTEE INFORMATION	
Name of Permittee: <u>See Attachment A</u>	
Facility Location: <u>See Attachment A</u>	
Municipality: <u>See Attachment I.1</u>	County: <u>See Attachment I.1</u>
Current General Permit Number: <u>See Attachment I.1</u>	Issued Date: <u>See Attachment I.1</u>
Pathogen reduction alternative used: <u>See Attachment A</u>	
Vector attraction reduction option used: <u>See Attachment A</u>	
Method of application (liquid or cake): <u>See Attachment A</u>	
Name of land applier: <u>Synagro</u>	
Has this applier completed DEP required biosolids training? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
SITE INFORMATION	
Site Name: <u>Cunfer Farm</u>	
Name of Landowner: <u>Dennis Cunfer, Wanda Crostley</u>	
Location of Site: <u>351 Cunfer Lane, Lehighton, PA 18235</u>	
Municipality: <u>East Penn Twp</u>	County: <u>Carbon</u>
Locate the site on a USGS 7.5-minute series topographic map and provide the following information:	
Latitude: <u>40</u> <u>-47</u> <u>-37.54</u> _____ inches North _____ inches West	
Longitude: <u>75</u> <u>-41</u> <u>-43.77</u> _____	USGS Quadrangle Name: <u>Lehighton</u>
Method used to obtain Latitude and Longitude (i.e., GPS, manual): <u>Google Earth</u>	
Indicate location reference point: <u>Center</u>	
Indicate horizontal reference data code and description (if applicable): <u>N/A</u>	
Indicate level of accuracy achieved: <u>50'</u>	
A copy of the Contractual Consent of Landowner is attached: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Will biosolids or residential septage be stored at the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
If YES, attach a map locating the proposed storage areas and a detailed description of the design, construction and operation of the storage area(s) with this form.	
Have all adjacent landowners to the site been notified that biosolids or residential septage will be applied to the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
If NO, land application cannot commence until 30 days after adjacent landowners have been notified.	
Is this site utilized for agricultural purposes? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
If YES, complete items (a), (b) and (c) as applicable. If NO, attach an explanation of intended activity.	
(a) Is animal manure generated at this farm? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
(b) If the answer to (a) is YES, does manure produced by animals satisfy all nutrients needed for expected crops? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
(c) If the answer to (b) is YES, is a Manure Management Plan implemented for this site as specified in §271.915(g)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Note: If the required Manure Management Plan has not been implemented, biosolids may <u>not</u> be applied at this farm.	

Is an Erosion and Sedimentation (E&S) or a Farm Conservation Plan developed for this land application area as specified in §271.915 (c) (4)? Yes No

If YES, attach a copy of the plan and implementation schedule. If NO, biosolids may not be applied at this site.

Is incorporation used? Yes No If YES, indicate how soon incorporation is performed after land application 6 hours

To the best of your knowledge, was biosolids ever applied to this site? Yes No

If YES, was DEP contacted to obtain cumulative pollutant loading data? Yes No

Complete the following information related to the proposed application areas:

- (a) For agricultural utilization, does the slope exceed 25%? Yes No
- (b) For land reclamation, does the slope exceed 35%? Yes No
- (c) Is any area within 100 ft. of a perennial stream? Yes No
- (d) Is any area within 33 ft. of an intermittent stream? Yes No
- (e) Is any area within 300 ft. of an occupied dwelling? Yes No
- (f) Is any area within 100 ft. of an exceptional value wetland? Yes No
- (g) Is any area within 11 in. of the seasonal high water table? Yes No
- (h) Is any area within 3.3 ft. of the regional groundwater table? Yes No
- (i) Have signs been posted at the property line? Yes No
- (j) Has occupant of the land received user instruction sheet? Yes No
- (k) Any other restrictions? _____

Indicate the watershed(s) and stream classification(s), in accordance with DEP's Chapter 93 regulations.

Application Area	Stream Name	Chapter 93 Classification	EV Designation?	
all fields	Lizard Creek	TF	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
all fields	Tributary to Lehigh River	CWF	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
		TSF	Yes <input type="checkbox"/>	No <input type="checkbox"/>

NOTE: LAND APPLICATION OF BIOSOLIDS IN THE WATERSHED(S) DESIGNATED AS "EXCEPTIONAL VALUE" IN CHAPTER 93 IS **NOT** ELIGIBLE UNDER THE GENERAL PERMIT. AN INDIVIDUAL SITE PERMIT IS REQUIRED.

ADDITIONAL ATTACHMENTS


- Attach a Natural Resources Conservation Service map of the site or a site map of a scale not smaller than 1 inch equals 400 feet. Boundaries of the site and intended application areas should be clearly delineated and the acreage for each field indicated:
- Attach a list of adjacent landowner(s) to the site that are required to be notified under §271.913 (g).
- Provide soil chemical analytical results for the following parameters in each field at the site: arsenic, cadmium, copper, lead, mercury, molybdenum, nickel, selenium, zinc, polychlorinated biphenols (PCBs) and pH.
- Attach a separate sheet showing an example of how agronomic rates for this site will be calculated.
- Attach the completed Pennsylvania Natural Diversity Inventory Form.

CERTIFICATION

Based upon site inspection by me or under my supervision, I certify that the proposed site meets the eligibility for soil analyses and nitrogen amounts as well as other general requirements and management practices required in the general permit issued for the land application of biosolids for beneficial use and the applicable biosolids regulations at Title 25 Pa. Code, Chapter 271. I verify that statements made in this form are true and correct to the best of my knowledge, information and belief. I understand that false statements are subject to penalties of 18 Pa. C.S.A., Section 4904 relating to unsworn falsification to authorities.

NAME AND OFFICIAL TITLE (Use Corporate or Professional Seal As Appropriate):

Name: Kevin Smeltz Title: Technical Services Specialist

Signature: 

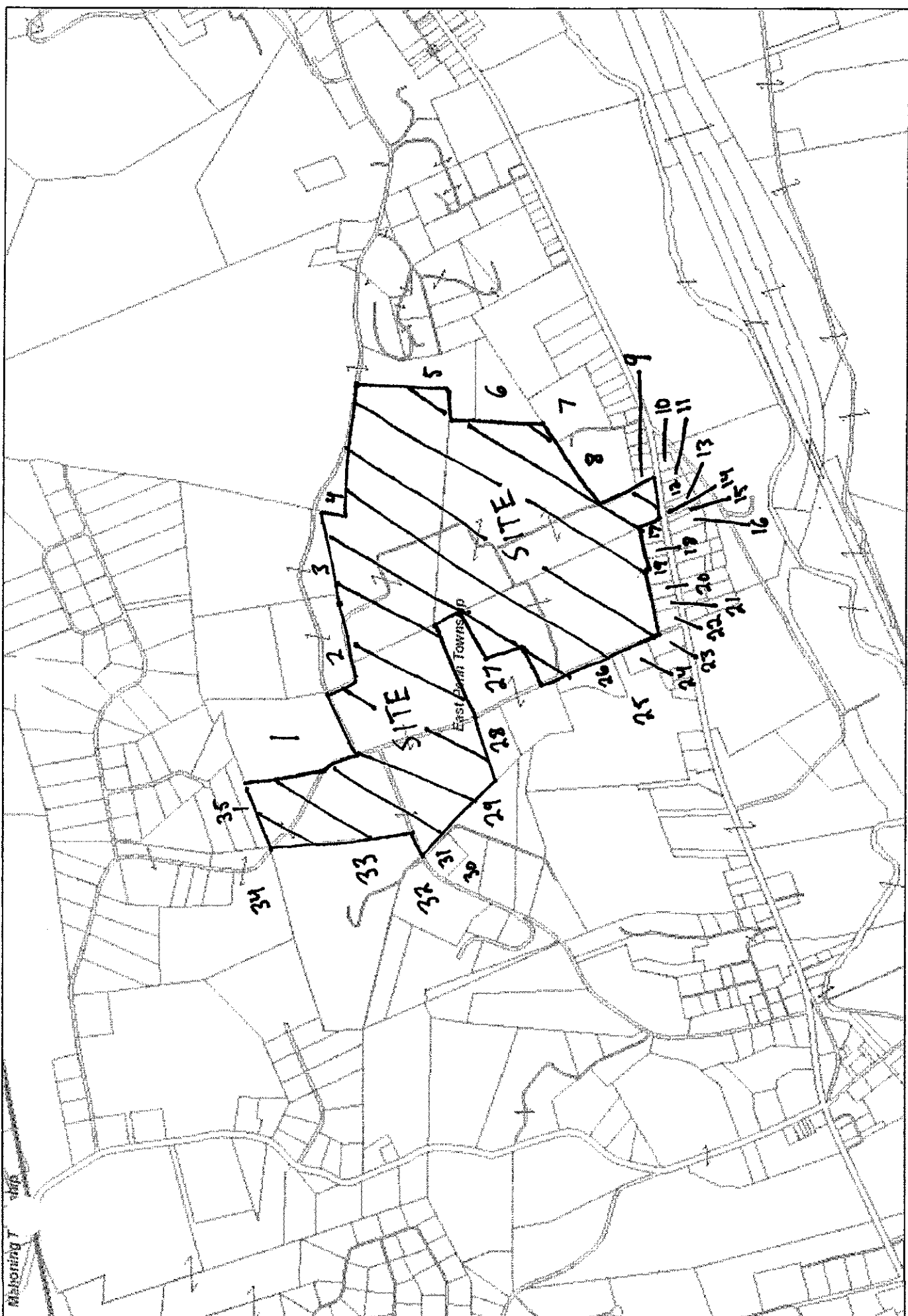
Telephone: (410) 688-6506 Date Signed: 1-15-2018

Attachment A

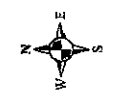
Permittee's Name	Address	Pathogen Option	Vector Option	Liquid or cake
City of York WWTF	1701 Black Bridge Road, York, PA 17402	3	1	C
Lehigh County Sewage Authority	7876 Industrial Boulevard, Allentown, PA 18106	3	1	C
Pennridge Wastewater Treatment Authority	180 Maple Avenue, PO Box 31, Sellersville, PA 18950	3	6	C
Valley Forge Sewer Authority	333 Pawling Road, Phoenixville, PA 19460	5	6	C
Upper Gwynedd-Towamencin MA	2225 Kriebel Road, Lansdale, PA 19446	5	6	C
East Pennsboro Twp. WWTP	21 East Dulles Drive, Camp Hill, PA 17011	3	1	C & L
Phoenixville Borough WWTP	140 Church Street, Phoenixville, PA 19460	3	1	C
City of Allentown WWTP	112 Union Street, Allentown, PA 18102	3	1	C
County of Berks Welfare Tract STP	1088 Berks Road, Leesport, PA 19533	5	6	C
Dover Twp. WWTP	851 Graffius Road, York, PA 17404	1	3 & 4	C
Bonneauville Borough Municipal Authority	86 West Hanover Street, Gettysburg, PA 17325	1	1	L
Manheim Borough Authority WWTP	PO Box 534, Manheim, PA 17545	5	6	C
Penn Township WWTP	20 Wayne Avenue, Hanover, PA 17331	5	6	C
Telford Sewer Authority	PO Box 209, Telford, PA 18069	5	10	C
Derry Township Municipal Authority	670 Clearwater Drive Hershey, PA 17033	3	1	C
Little Patuxent Water Reclamation Plant	8900 Greenwood Place Savage, Maryland 20763	5	6	C
Ballenger Creek WWTP	7400 Marcie's Choice Lane Frederick, MD 21704	5	6	C
Frederick City WWTP	111 Airport Road East Frederick, MD 21701	3	1	C
Lititz Borough Sewer Authority	50 Lititz Run Road, Lititz, PA 17543	1	1	L
Gettysburg Municipal Authority	PO Box 3307, 601 E. Middle St. Gettysburg, PA 17325	1	6	L
Mahanoy City Sewer Authority	130 East Centre Street, Mahanoy City, PA 17948	2	10	C
Borough of Sinking Springs WWTP	2305 Reedy Road, Sinking Springs, PA 19608	2	10	C
Abington Wastewater Treatment Plant	1000 Frlowertown Road, Roslyn, PA 19001	3	1	C
Synagro Mid Atlantic	1605 Dooley Road, Whitford, MD 21160	5	6	C
Ephrata Boro WWTP 1	124 South State Street, Ephrata, PA 17522	1	10	C
Ephrata Boro WWTP 2	124 South State Street, Ephrata, PA 17522	1	5	C
Philadelphia Water Department	7800 Panrose Ferry Road	3	1	C
Lancaster Area Sewer and Water Authority	130 Centerville Road Lancaster, PA 17603	5	6	C
Hanover Wastewater Treatment Facility	44 Frederick Street Hanover, PA 17331	3	2	C
Warminster Municipal Authority	415 Gibson Avenue, P.O. Box 2279, Warminster, PA 19874	1	1	C
Lower Allen Township Authority	120 Limekiln Road, New Cumberland, PA 17070-2428	2	6	L
New Oxford Municipal Authority	408 Water Works Road, New Oxford, PA 17350	5	6	C
New Freedom Borough WWTP	49 East High Street, New Freedom, PA 17349	5	6	C
Harrisburg AWTF	1662 South Cameron Street, Harrisburg, PA 17104	3	1	C
Sod Run WWTP	1212 Chelsea Rd Perryman MD 21130	3		C
Wilmington DE WWTP	East 12th Street and Hay St Wilmington DE 19809	3		C
Easton Area JSA	50-A South Delaware Dr, Easton, PA 18042	3	1	C
Souderton WWTP	174 Cowpath Rd Souderton, PA 18984	1	4	C
Lower Merion Valley Regional Sewer Auth	101 Station Ave Oaks, PA 19455	5	6	C
Montgomery County Sewer Authority	6 River Bend Road, PO Box 613, Oaks, PA 19455			C
Pottstown Borough Authority	City Hall, 241 King Street Pottstown, PA 19464	3		C
Exeter Township WWTP	400 Hanover Street, Birdsboro, PA 19508	1	1	C
Hampden Township WWTP	230 South Sporting Hill Road, Mechanicsburg, Pa 17050	5	6	C
Northern Lancaster County Authority	983 Beam Road, Denver, PA 17517	2	10	C
Schuylkill Valley SA	316 Ridge Road, Cumbola, PA 17850	1	10	C
Coatsville STP	Gibbons Avenue, Coatsville, PA 17320	5	6	C
Valley Forge Sewer Authority	333 Pawling Road, Phoenixville, PA 19460	5	6	C
Green Lane-Marlboro JSA	Gravel Road at Sunnyside Pike P.O. Box , Green Lane, PA 18054	1	10	C
Womelsdorf Sewer Authority	101 W High St Womelsdorf, PA 17887	1	10	C
City of Bethlehem WWTP	144 Stimaxville Road Bethlehem, PA 18015	3	1	C
Anville Twp Authority	38 N. Lancaster Street Anville, PA	1	4	L
Downingtown RWPC	550 Brandywine Avenue, Downingtown, PA 19335	5	6	C

**Attachment 1.1
Facility Information**

Facility	Facility Location	Municipality	County	Current Permit Number
City of York WWTF	York, PA	City of York	York	PAG-08-3501
Lehigh County Sewage Authority	Allentown, PA	Upper Macungie Twp.	Lehigh	WMGR099
Pennridge Wastewater Treatment Authority	Sellersville, PA	West Rockhill Twp.	Bucks	PAG-07-0003
Valley Forge Sewer Authority	Phoenixville, PA	Schuylkill Twp.	Chester	PAG-07-0005
Upper Gwynedd-Towamencin MA	Lansdale, PA	Towamencin Twp.	Montgomery	PAG-08-0008
East Pennsboro Twp. WWTP	Camp Hill, PA	East Pennsboro Twp.	Cumberland	PAG-08-3515
Phoenixville Borough WWTP	Phoenixville, PA	Phoenixville Borough	Chester	PAG-08-0003
City of Allentown WWTP	Allentown, PA	City of Allentown	Lehigh	PAG-08-2203
County of Berks Welfare Tract STP	Leesport, PA	Bern Twp.	Berks	PAG-08-3522
Dover Twp. WWTP	Dover, PA	Dover Twp.	York	PAG-08-3825
Bonneauville Borough Municipal Authority	Gettysburg, PA	Bonneauville Borough	Adams	PAG-08-3547
Manheim Borough Authority WWTP	Manheim, PA	Penn Township	Lancaster	PAG-08-3551
Penn Township WWTP	Hanover, PA	Penn Township	York	PAG-08-3506
Telford Sewer Authority	Telford, PA	Franconia Township	Montgomery	PAG-08-0008
Deny Township Municipal Authority	Hershey, PA	Derry Township	Dauphin	PAG-08-3518
Little Patuxent Water Reclamation Plant	Laurel, MD	Howard County	Howard	PAG-08-9905
Balenger Creek WWTP	Frederick, MD	Frederick County	Frederick	PAG-08-9903
Frederick City WWTP	Frederick, MD	City of Frederick	Frederick	PAG-08-9904
Gettysburg Municipal Authority	Gettysburg, PA	Gettysburg Boro	Adams	PAG-08-3540
Litz Borough Sewer Authority	Litz, PA	Warwick Township	Lancaster	PAG-08-3535
Mahanoy City Sewer Authority	Mahanoy City, PA	Mahanoy Township	Schuylkill	PAG-08-2211
Borough of Sinking Springs WWTP	Sinking Springs, PA	Lower Heidelberg Twp.	Berks	PAG-08-3587
Abington Township WWTP	Roslyn, PA	Abington Township	Montgomery	PAG-08-0002
Synagro	Mobile unit			PABIG-9903
Ephrata Borough WWTP-Plant 1	Ephrata, PA	Ephrata	Lancaster	PAG-08-3565
Ephrata Borough WWTP-Plant 2	Ephrata, PA	Ephrata	Lancaster	PAG-07-3508
Philadelphia Water Department	Philadelphia	Philadelphia	Philadelphia	PAG-08-0004
Lancaster Area Sewer Authority	Lancaster, PA	Lancaster	Lancaster	PAG-08-3556
Hanover Wastewater Treatment Facility	McSherrystown, PA	Conewago Twp.	Adams	PAG-08-3586
Warminster Municipal Authority	Warminster, PA	Warminster	Bucks	PAG-08-0018
Lower Allen Township Authority	New Cumberland, PA	Lower Allen Twp.	York	PAG-08-3610
New Oxford Municipal Authority	New Oxford, PA	Oxford Twp.	Adams	PAG-08-3600
New Freedom Borough WWTP	Railroad, PA	Railroad Borough	York	PAG-08-3573
Harrisburg AWTF	Harrisburg, PA	Swatara Township	Dauphin	PAG-08-3587
Sod Run WWTP	Perryman MD	Harford County	Harford	PAG-08-9909
Wilmington DE WWTP	Wilmington DE	Wilmington		PAG-08-9801
Easton Area JSA	Easton, PA	Easton	Northampton	PAG-08-2219
Souderton WWTP	Souderton, PA	Souderton Borough	Montgomery	PAG-08-0021
Lower Perkiomen Valley Regional Sewer Auth	Oaks, PA	Oaks	Montgomery	PAG-08-0011
City of Lancaster WWTP	Lancaster PA	Lancaster	Lancaster	PAG-08-3605
Pottstown Borough Authority	Pottstown, PA	Pottstown Borough	Berks	PAG-08-0005
Exeter Township WWTP	Birdsboro, Pa	Exeter Township	Berks	PAG-08-3610
Hampden Township WWTP	Mechanicsburg, Pa	Hampden Township	Cumberland	PAG-08-3568
Northern Lancaster County Authority	Denver, PA	Brecknock Township	Lancaster	PAG-08-3611
Schuylkill Valley SA	Cumbola, PA	Blythe Township	Schuylkill	PAG-08-2223
Coatsville STP	Coatsville PA	Coatsville Borough	Chester	PAG-08-0016
Valley Forge Sewer Authority	Phoenixville, PA	Schuylkill Twp.	Chester	PAG-08-0023
Green Lane-Marlborough JSA	Green Lane, PA	Green Lane	Montgomery	PAG-08-0022
Womelsdorf Sewer Authority	Womelsdorf, PA	Heidelberg Twp	Berks	PAG-08-3614
City of Bethlehem WWTP	Bethlehem, PA	City of Bethlehem	Northampton	PAG-08-2224
Annville Twp Authority	Annville, PA	Annville Twp	Lebanon	PAG-08-3504
Downingtwn RWPC	Downingtwn, PA	Downingtwn	Chester	PAG-08-0007



THIS MAP WAS PREPARED FOR THE ASSESSMENT OF REAL PROPERTY FOUND WITHIN THIS JURISDICTION. USERS OF THIS MAP ARE HEREBY NOTIFIED THAT THE AFOREMENTIONED PUBLIC PRIMARY INFORMATION SOURCES SHOULD BE CONSULTED FOR VERIFICATION OF THE INFORMATION CONTAINED ON THIS MAP. THE COUNTY AND THE MAPPING COMPANIES ASSUME NO LEGAL RESPONSIBILITY FOR THE INFORMATION CONTAINED ON THIS MAP.



Map showing T

#	name	address_1	address_2
1	Karin Bristow	770 Smithlane Rd	Lehighnton, PA 18235
2	Richard Gabovitz	426 Lincoln Ave	Walnutport, PA 18088
3	Rita Shupp	80 Pine St	Palmerton, PA 18071
4	Albert Wilk Jr	748 Pinewood Rd	Lehighnton, PA 18235
5&6	Nancy Wilk	748 Pinewood Rd	Lehighnton, PA 18235
7	Brad Kuehn	124 Fisher Ln	Lehighnton, PA 18235
8&10	Franklin Fisher	159 Fisher Ln	Lehighnton, PA 18235
9	Arnold Loch	1115 E Lizard Creek Rd	Lehighnton, PA 18235
11	William Graul III	1106 E Lizard Creek Rd	Lehighnton, PA 18235
12	Candy Everett	1092 E Lizard Creek Rd	Lehighnton, PA 18235
13&14	Kurt Paukovits	1056 E Lizard Creek Rd	Lehighnton, PA 18235
15&16	Pearlanna Mann	1016 E Lizard Creek Rd	Lehighnton, PA 18235
17&18	Kermit Miller	987 E Lizard Creek Rd	Lehighnton, PA 18235
19	Carol Friedman	935 E Lizard Creek Rd	Lehighnton, PA 18235
20	George Kraftician	913 E Lizard Creek Rd	Lehighnton, PA 18235
21	Warren Berger	885 E Lizard Creek Rd	Lehighnton, PA 18235
22	Richard Achey Jr	865 E Lizard Creek Rd	Lehighnton, PA 18235
23	Todd Schleicher	833 E Lizard Creek Rd	Lehighnton, PA 18235
24	Edward Weiss	Weiss, Edward J & Louise Revocable Trust 101 Smithlane Rd	Lehighnton, PA 18235
25&26	Leslie Schleicher	669 E Lizard Creek Rd	Lehighnton, PA 18235
27&28	Christopher Cowen	344 Smithlane Rd	Lehighnton, PA 18235
29	Daniel Frey	111 Lilac Ln	Lehighnton, PA 18235
30&31	Kenneth Dotter	34 Lilac Ln	Lehighnton, PA 18235
32	David Leiby Jr	659 Friendship Rd	Lehighnton, PA 18235
33	Ted Snyder	805 Friendship Rd	Lehighnton, PA 18235
34	Thomas Dailey	34 North 17th St	Lehighnton, PA 18235
35	Dennis Cunfer	236 Smithlane Rd	Easton, PA 18042
			Lehighnton, PA 18235

1. PROJECT INFORMATION

Project Name: **Cunfer**
Date of Review: **1/10/2018 11:01:16 AM**
Project Category: **Agriculture/Farming, Application of biosolids**
Project Area: **165.66 acres**
County(s): **Carbon**
Township/Municipality(s): **EAST PENN**
ZIP Code: **18235**
Quadrangle Name(s): **LEHIGHTON**
Watersheds HUC 8: **Lehigh**
Watersheds HUC 12: **Fireline Creek-Lehigh River; Lizard Creek**
Decimal Degrees: **40.792733, -75.693556**
Degrees Minutes Seconds: **40° 47' 33.8396" N, 75° 41' 36.8007" W**

2. SEARCH RESULTS

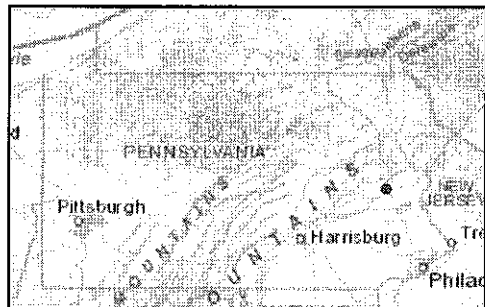
Agency	Results	Response
PA Game Commission	No Known Impact	No Further Review Required
PA Department of Conservation and Natural Resources	No Known Impact	No Further Review Required
PA Fish and Boat Commission	No Known Impact	No Further Review Required
U.S. Fish and Wildlife Service	No Known Impact	No Further Review Required

As summarized above, Pennsylvania Natural Diversity Inventory (PNDI) records indicate no known impacts to threatened and endangered species and/or special concern species and resources within the project area. Therefore, based on the information you provided, no further coordination is required with the jurisdictional agencies. This response does not reflect potential agency concerns regarding impacts to other ecological resources, such as wetlands.

Cunfer

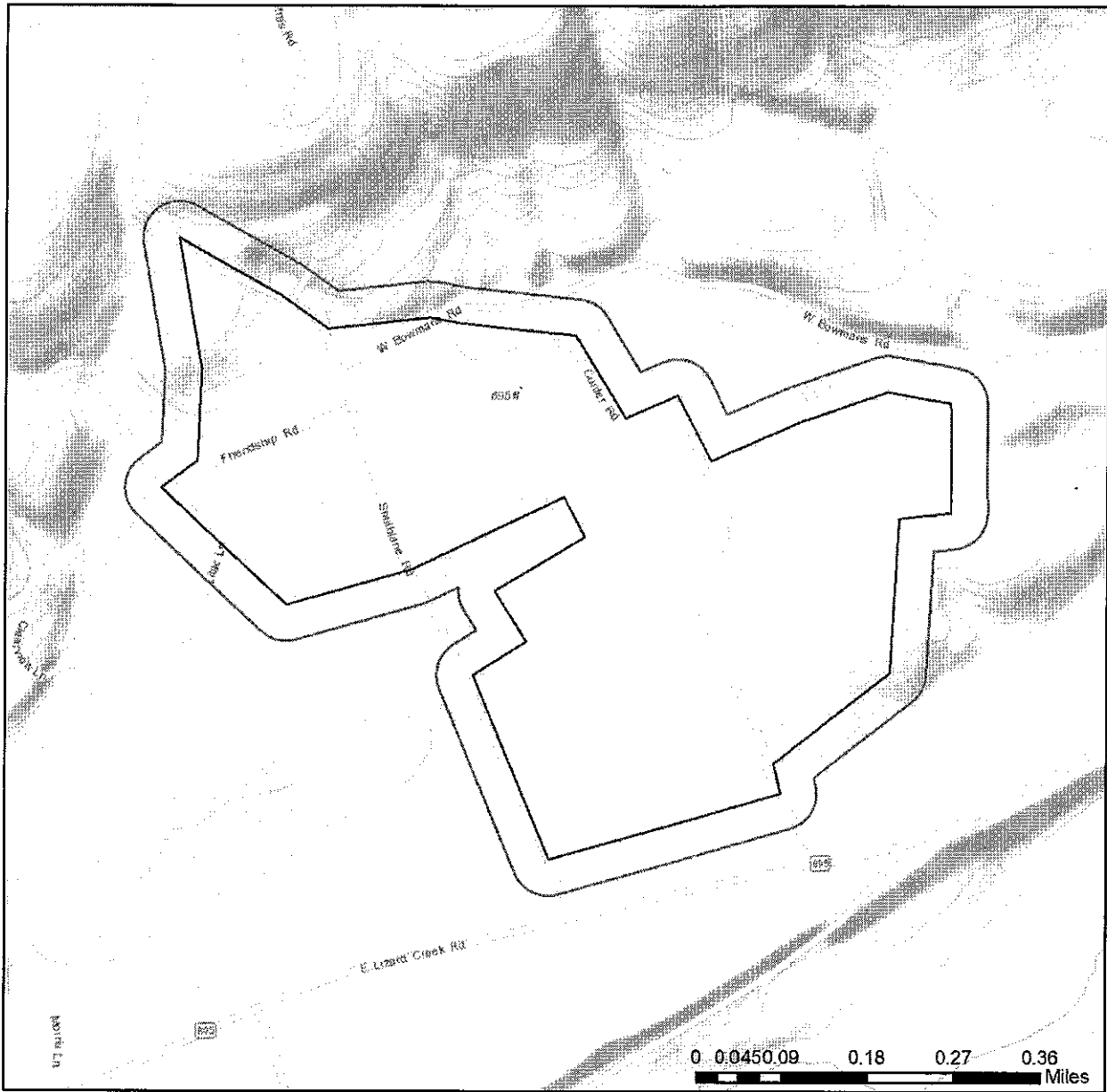


- Project Boundary
- Buffered Project Boundary



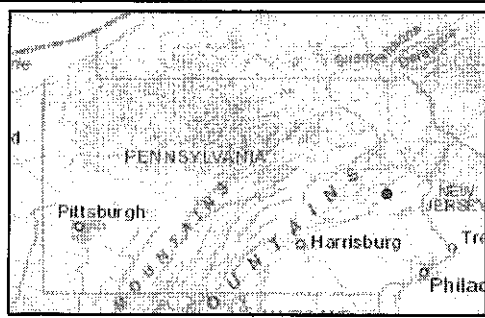
Service Layer Credits: Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community
Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors, and the GIS user

Cunfer



- Project Boundary
- Buffered Project Boundary

Service Layer Credits: Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community



3. AGENCY COMMENTS

Regardless of whether a DEP permit is necessary for this proposed project, any potential impacts to threatened and endangered species and/or special concern species and resources must be resolved with the appropriate jurisdictional agency. In some cases, a permit or authorization from the jurisdictional agency may be needed if adverse impacts to these species and habitats cannot be avoided.

These agency determinations and responses are **valid for two years** (from the date of the review), and are based on the project information that was provided, including the exact project location; the project type, description, and features; and any responses to questions that were generated during this search. If any of the following change: 1) project location, 2) project size or configuration, 3) project type, or 4) responses to the questions that were asked during the online review, the results of this review are not valid, and the review must be searched again via the PNDI Environmental Review Tool and resubmitted to the jurisdictional agencies. The PNDI tool is a primary screening tool, and a desktop review may reveal more or fewer impacts than what is listed on this PNDI receipt. The jurisdictional agencies **strongly advise against** conducting surveys for the species listed on the receipt prior to consultation with the agencies.

PA Game Commission

RESPONSE:

No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

PA Department of Conservation and Natural Resources

RESPONSE:

No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

PA Fish and Boat Commission

RESPONSE:

No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

U.S. Fish and Wildlife Service

RESPONSE:

No impacts to **federally** listed or proposed species are anticipated. Therefore, no further consultation/coordination under the Endangered Species Act (87 Stat. 884, as amended; 16 U.S.C. 1531 et seq. is required. Because no take of federally listed species is anticipated, none is authorized. This response does not reflect potential Fish and Wildlife Service concerns under the Fish and Wildlife Coordination Act or other authorities.

4. DEP INFORMATION

The Pa Department of Environmental Protection (DEP) requires that a signed copy of this receipt, along with any required documentation from jurisdictional agencies concerning resolution of potential impacts, be submitted with applications for permits requiring PNDI review. Two review options are available to permit applicants for handling PNDI coordination in conjunction with DEP's permit review process involving either T&E Species or species of special concern. Under sequential review, the permit applicant performs a PNDI screening and completes all coordination with the appropriate jurisdictional agencies prior to submitting the permit application. The applicant will include with its application, both a PNDI receipt and/or a clearance letter from the jurisdictional agency if the PNDI Receipt shows a Potential Impact to a species or the applicant chooses to obtain letters directly from the jurisdictional agencies. Under concurrent review, DEP, where feasible, will allow technical review of the permit to occur concurrently with the T&E species consultation with the jurisdictional agency. The applicant must still supply a copy of the PNDI Receipt with its permit application. The PNDI Receipt should also be submitted to the appropriate agency according to directions on the PNDI Receipt. The applicant and the jurisdictional agency will work together to resolve the potential impact(s). See the DEP PNDI policy at <https://conservationexplorer.dcnr.pa.gov/content/resources>.

5. ADDITIONAL INFORMATION

The PNDI environmental review website is a preliminary screening tool. There are often delays in updating species status classifications. Because the proposed status represents the best available information regarding the conservation status of the species, state jurisdictional agency staff give the proposed statuses at least the same consideration as the current legal status. If surveys or further information reveal that a threatened and endangered and/or special concern species and resources exist in your project area, contact the appropriate jurisdictional agency/agencies immediately to identify and resolve any impacts.

For a list of species known to occur in the county where your project is located, please see the species lists by county found on the PA Natural Heritage Program (PNHP) home page (www.naturalheritage.state.pa.us). Also note that the PNDI Environmental Review Tool only contains information about species occurrences that have actually been reported to the PNHP.

6. AGENCY CONTACT INFORMATION

PA Department of Conservation and Natural Resources
Bureau of Forestry, Ecological Services Section
400 Market Street, PO Box 8552
Harrisburg, PA 17105-8552
Email: RA-HeritageReview@pa.gov

U.S. Fish and Wildlife Service
Pennsylvania Field Office
Endangered Species Section
110 Radnor Rd; Suite 101
State College, PA 16801
NO Faxes Please

PA Fish and Boat Commission
Division of Environmental Services
595 E. Rolling Ridge Dr., Bellefonte, PA 16823
Email: RA-FBPACENOTIFY@pa.gov

PA Game Commission
Bureau of Wildlife Habitat Management
Division of Environmental Planning and Habitat Protection
2001 Elmerton Avenue, Harrisburg, PA 17110-9797
Email: RA-PGC_PNDI@pa.gov
NO Faxes Please

7. PROJECT CONTACT INFORMATION

Name: Kevin Smeltz
Company/Business Name: Synagro
Address: 1600 Dooley Rd
City, State, Zip: Whiteford, MD 21160
Phone: (410) 688-6506 Fax: ()
Email: Ksmeltz@synagro.com

8. CERTIFICATION

I certify that ALL of the project information contained in this receipt (including project location, project size/configuration, project type, answers to questions) is true, accurate and complete. In addition, if the project type, location, size or configuration changes, or if the answers to any questions that were asked during this online review change, I agree to re-do the online environmental review.

Kevin Smeltz
applicant/project proponent signature

1-15-2018
date

SYNAGRO MEMO

Date: Wednesday, December 27, 2017
 Project: All Pennsylvania
 Lauren Miller, Pete Price, Rick Hushon, Bill Cotter, Amy Welker, Ken Reed, Kevin Smeltz, Jennifer Amonica, Jeff Faust and Michelle Thomas
 To: Smeltz, Jennifer Amonica, Jeff Faust and Michelle Thomas
 From: Cerese Tripp
SUBJECT: Reporting Averages 1st Quarter 2018

Attached are the new averages per plant to be used during 1st Quarter 2018. All percent solids values include a .5% buffer. If you have any questions please let me know.

Project	Percent Solid	PAN Lbs/Wet Ton Surface Application Value
ABINGTON	22.63	6.5
ALLENTOWN	20.17	5.1
BALLENGER CREEK	28.80	6.5
BETHLEHEM	21.77	7.9
BONNEAUVILLE LIQUID	2.01	0.8 0.0033 Lbs/Gallon
CICJSA	18.40	3.3
EAST PENNSBORO	21.43	6.3
FREDERICK CITY	20.20	4.5
HAMPDEN TOWNSHIP	25.25	7.2
JOHNSTOWN	51.40	6.7
LANCASTER CITY	24.92	6.8
LEHIGH COUNTY	16.70	4.0
LITTLE PATUXENT CLASS A	41.12	7.0
LITTLE PATUXENT CLASS B	41.15	6.0
LOWER PERKIOMEN	27.18	6.9
MON VALLEY	25.80	4.2
NEW FREEDOM	25.75	5.1
NEW OXFORD	19.10	5.4
PENN TOWNSHIP	41.43	5.3
PENNRIDGE WWTP	24.66	5.0



PHILADELPHIA CAKE	27.29	5.2
PHILADELPHIA PELLET	92.92	30.3
PHOENIXVILLE	23.13	3.6
SOD RUN	17.63	4.6
TOWAMENCIN MUNICIPAL AUTHORITY	27.83	8.3
VFSA	29.89	8.1
YORK	18.25	6.2



SUMMARY OF NUTRIENT MANAGEMENT RECOMMENDATIONS

FARM: Cunfer

DATE: 1st 2018

FIELD	ACRES	CROP	YIELD GOAL T or Bu/A	NUTRIENT/SOIL TEST RECOMMENDATIONS			ADDITIONAL/ RESIDUAL N CARRY OVER	RESIDUAL N LBS/A (PAN)	CROP REQUIREMENTS LBS/ACRE		
				N	P205	K2O			N	P205	K2O
				F5	8.4	CORN			180	180	
		SOYBEANS	50	160			2016 RMS		160		
		WHEAT/BARLEY	80	80			RESIDUAL N		80		
		OATS/RYE	80	88					88		
		ORCHARDGRASS	4	200			MANURE		200		
		ALFALFA	5	250			LEGUME		250		
F6	2.1	CORN	180	180			STARTER N		180		
		SOYBEANS	50	160			2005 RMS		160		
		WHEAT/BARLEY	80	80			RESIDUAL N		80		
		OATS/RYE	80	88					88		
		ORCHARDGRASS	4	200			MANURE		200		
		ALFALFA	5	250			LEGUME		250		
F7A	2.0	CORN	180	180			STARTER N		180		
		SOYBEANS	50	160			2005 RMS		160		
		WHEAT/BARLEY	80	80			RESIDUAL N		80		
		OATS/RYE	80	88					88		
		ORCHARDGRASS	4	200			MANURE		200		
		ALFALFA	5	250			LEGUME		250		
F7B	0.9	CORN	180	180			STARTER N		180		
		SOYBEANS	50	160			2005 RMS		160		
		WHEAT/BARLEY	80	80			RESIDUAL N		80		
		OATS/RYE	80	88					88		
		ORCHARDGRASS	4	200			MANURE		200		
		ALFALFA	5	250			LEGUME		250		

SUMMARY OF NUTRIENT MANAGEMENT RECOMMENDATIONS

FARM: Cunfer

DATE: 1st 2018

FIELD	ACRES	CROP	YIELD GOAL T or Bu/A	NUTRIENT/SOIL TEST RECOMMENDATIONS			ADDITIONAL/ RESIDUAL N CARRY OVER	RESIDUAL N LBS/A (PAN)	CROP REQUIREMENTS LBS/ACRE		
				N	P205	K2O			N	P205	K2O
				F9	4.4	CORN			180	180	
		SOYBEANS	50	160			2005 RMS		160		
		WHEAT/BARLEY	80	80			RESIDUAL N		80		
		OATS/RYE	80	88					88		
		ORCHARDGRASS	4	200			MANURE		200		
		ALFALFA	5	250			LEGUME		250		
F11	4.4	CORN	180	180			STARTER N		180		
		SOYBEANS	50	160			2005 RMS		160		
		WHEAT/BARLEY	80	80			RESIDUAL N		80		
		OATS/RYE	80	88					88		
		ORCHARDGRASS	4	200			MANURE		200		
		ALFALFA	5	250			LEGUME		250		
F12	2.7	CORN	180	180			STARTER N		180		
		SOYBEANS	50	160			2005 RMS		160		
		WHEAT/BARLEY	80	80			RESIDUAL N		80		
		OATS/RYE	80	88					88		
		ORCHARDGRASS	4	200			MANURE		200		
		ALFALFA	5	250			LEGUME		250		
F13	2.7	CORN	180	180			STARTER N		180		
		SOYBEANS	50	160			2005 RMS		160		
		WHEAT/BARLEY	80	80			RESIDUAL N		80		
		OATS/RYE	80	88					88		
		ORCHARDGRASS	4	200			MANURE		200		
		ALFALFA	5	250			LEGUME		250		
F14A	3.3	CORN	180	180			STARTER N		180		
		SOYBEANS	50	160			2005 RMS		160		
		WHEAT/BARLEY	80	80			RESIDUAL N		80		
		OATS/RYE	80	88					88		
		ORCHARDGRASS	4	200			MANURE		200		
		ALFALFA	5	250			LEGUME		250		

SUMMARY OF NUTRIENT MANAGEMENT RECOMMENDATIONS

FARM: Cunfer

DATE: 1st 2018

FIELD	ACRES	CROP	YIELD GOAL T or Bu/A	NUTRIENT/SOIL TEST RECOMMENDATIONS			ADDITIONAL/ RESIDUAL N CARRY OVER	RESIDUAL N LBS/A (PAN)	CROP REQUIREMENTS LBS/ACRE		
				N	P205	K2O			N	P205	K2O
				F14B	1.8	CORN			180	180	
		SOYBEANS	50	160			2005 RMS	160			
		WHEAT/BARLEY	80	80			RESIDUAL N	80			
		OATS/RYE	80	88				88			
		ORCHARDGRASS	4	200			MANURE	200			
		ALFALFA	5	250			LEGUME	250			
F15	3.8	CORN	180	180			STARTER N	180			
		SOYBEANS	50	160			2005 RMS	160			
		WHEAT/BARLEY	80	80			RESIDUAL N	80			
		OATS/RYE	80	88				88			
		ORCHARDGRASS	4	200			MANURE	200			
		ALFALFA	5	250			LEGUME	250			
F16	1.8	CORN	180	180			STARTER N	180			
		SOYBEANS	50	160			2005 RMS	160			
		WHEAT/BARLEY	80	80			RESIDUAL N	80			
		OATS/RYE	80	88				88			
		ORCHARDGRASS	4	200			MANURE	200			
		ALFALFA	5	250			LEGUME	250			
F17	2.0	CORN	180	180			STARTER N	180			
		SOYBEANS	50	160			2005 RMS	160			
		WHEAT/BARLEY	80	80			RESIDUAL N	80			
		OATS/RYE	80	88				88			
		ORCHARDGRASS	4	200			MANURE	200			
		ALFALFA	5	250			LEGUME	250			
F18	2.9	CORN	180	180			STARTER N	180			
		SOYBEANS	50	160			2005 RMS	160			
		WHEAT/BARLEY	80	80			RESIDUAL N	80			
		OATS/RYE	80	88				88			
		ORCHARDGRASS	4	200			MANURE	200			
		ALFALFA	5	250			LEGUME	250			

SUMMARY OF NUTRIENT MANAGEMENT RECOMMENDATIONS

FARM: Cunfer

DATE: 1st 2018

FIELD	ACRES	CROP	YIELD GOAL T or Bu/A	NUTRIENT/SOIL TEST RECOMMENDATIONS			ADDITIONAL/ RESIDUAL N CARRY OVER	RESIDUAL N LBS/A (PAN)	CROP REQUIREMENTS LBS/ACRE		
				N	P205	K2O			N	P205	K2O
				F19	3.4	CORN			180	180	
		SOYBEANS	50	160			2005 RMS	160			
		WHEAT/BARLEY	80	80			RESIDUAL N	80			
		OATS/RYE	80	88				88			
		ORCHARDGRASS	4	200			MANURE	200			
		ALFALFA	5	250			LEGUME	250			
F21	1.5	CORN	180	180			STARTER N	180			
		SOYBEANS	50	160			2005 RMS	160			
		WHEAT/BARLEY	80	80			RESIDUAL N	80			
		OATS/RYE	80	88				88			
		ORCHARDGRASS	4	200			MANURE	200			
		ALFALFA	5	250			LEGUME	250			
G	4.4	CORN	180	180			STARTER N	180			
		SOYBEANS	50	160			2005 RMS	160			
		WHEAT/BARLEY	80	80			RESIDUAL N	80			
		OATS/RYE	80	88				88			
		ORCHARDGRASS	4	200			MANURE	200			
		ALFALFA	5	250			LEGUME	250			
H1	3.3	CORN	180	180			STARTER N	180			
		SOYBEANS	50	160			2005 RMS	160			
		WHEAT/BARLEY	80	80			RESIDUAL N	80			
		OATS/RYE	80	88				88			
		ORCHARDGRASS	4	200			MANURE	200			
		ALFALFA	5	250			LEGUME	250			
H3	5.3	CORN	180	180			STARTER N	180			
		SOYBEANS	50	160			2004 RMS	160			
		WHEAT/BARLEY	80	80			RESIDUAL N	80			
		OATS/RYE	80	88				88			
		ORCHARDGRASS	4	200			MANURE	200			
		ALFALFA	5	250			LEGUME	250			

SUMMARY OF NUTRIENT MANAGEMENT RECOMMENDATIONS

FARM: Cunfer

DATE: 1st 2018

FIELD	ACRES	CROP	YIELD GOAL T or Bu/A	NUTRIENT/SOIL TEST RECOMMENDATIONS			ADDITIONAL/ RESIDUAL N CARRY OVER	RESIDUAL N LBS/A (PAN)	CROP REQUIREMENTS LBS/ACRE		
				N	P205	K2O			N	P205	K2O
H4	4.3	CORN	180	180			STARTER N		180		
		SOYBEANS	50	160			2005 RMS		160		
		WHEAT/BARLEY	80	80			RESIDUAL N		80		
		OATS/RYE	80	88					88		
		ORCHARDGRASS	4	200			MANURE		200		
		ALFALFA	5	250			LEGUME		250		
H5	7.0	CORN	180	180			STARTER N		180		
		SOYBEANS	50	160			2004 RMS		160		
		WHEAT/BARLEY	80	80			RESIDUAL N		80		
		OATS/RYE	80	88					88		
		ORCHARDGRASS	4	200			MANURE		200		
		ALFALFA	5	250			LEGUME		250		
H6	5.0	CORN	180	180			STARTER N		180		
		SOYBEANS	50	160			2005 RMS		160		
		WHEAT/BARLEY	80	80			RESIDUAL N		80		
		OATS/RYE	80	88					88		
		ORCHARDGRASS	4	200			MANURE		200		
		ALFALFA	5	250			LEGUME		250		
H7	3.4	CORN	180	180			STARTER N		180		
		SOYBEANS	50	160			2004 RMS		160		
		RAPE	80	80			RESIDUAL N		80		
		OATS/RYE	80	88					88		
		ORCHARDGRASS	4	200			MANURE		200		
		ALFALFA	5	250			LEGUME		250		

SUMMARY OF NUTRIENT MANAGEMENT RECOMMENDATIONS

FARM: Cunfer

DATE: 1st 2018

FIELD	ACRES	CROP	YIELD GOAL T or Bu/A	NUTRIENT/SOIL TEST RECOMMENDATIONS			ADDITIONAL/ RESIDUAL N CARRY OVER	RESIDUAL N LBS/A (PAN)	CROP REQUIREMENTS LBS/ACRE		
				N	P205	K2O			N	P205	K2O
H8	1.2	CORN	180	180			STARTER N		180		
		SOYBEANS	50	160			2004 RMS		160		
		WHEAT/BARLEY	80	80			RESIDUAL N		80		
		OATS/RYE	80	88					88		
		ORCHARDGRASS	4	200			MANURE		200		
		ALFALFA	5	250			LEGUME		250		
H9	1.9	CORN	180	180			STARTER N		180		
		SOYBEANS	50	160			2004 RMS		160		
		WHEAT/BARLEY	80	80			RESIDUAL N		80		
		OATS/RYE	80	88					88		
		ORCHARDGRASS	4	200			MANURE		200		
		ALFALFA	5	250			LEGUME		250		
H10	4.9	CORN	180	180			STARTER N		180		
		SOYBEANS	50	160			2005 RMS		160		
		WHEAT/BARLEY	80	80			RESIDUAL N		80		
		OATS/RYE	80	88					88		
		ORCHARDGRASS	4	200			MANURE		200		
		ALFALFA	5	250			LEGUME		250		
H11	2.2	CORN	180	180			STARTER N		180		
		SOYBEANS	50	160			2005 RMS		160		
		WHEAT/BARLEY	80	80			RESIDUAL N		80		
		OATS/RYE	80	88					88		
		ORCHARDGRASS	4	200			MANURE		200		
		ALFALFA	5	250			LEGUME		250		
H13	6.0	CORN	180	180			STARTER N		180		
		SOYBEANS	50	160			2004 RMS		160		
		WHEAT/BARLEY	80	80			RESIDUAL N		80		
		OATS/RYE	80	88					88		
		ORCHARDGRASS	4	200			MANURE		200		
		ALFALFA	5	250			LEGUME		250		

SUMMARY OF NUTRIENT MANAGEMENT RECOMMENDATIONS
FARM: Cunfer

DATE: 1st 2018

FIELD	ACRES	CROP	YIELD GOAL T or Bu/A	NUTRIENT/SOIL TEST RECOMMENDATIONS			ADDITIONAL/ RESIDUAL N CARRY OVER	RESIDUAL N LBS/A (PAN)	CROP REQUIREMENTS LBS/ACRE		
				N	P205	K2O			N	P205	K2O
H17	0.2	CORN	180	180			STARTER N		180		
		SOYBEANS	50	160			2004 RMS		160		
		WHEAT/BARLEY	80	80			RESIDUAL N		80		
		OATS/RYE	80	88					88		
		ORCHARDGRASS	4	200			MANURE		200		
		ALFALFA	5	250			LEGUME		250		
H19	0.8	CORN	180	180			STARTER N		180		
		SOYBEANS	50	160			2004 RMS		160		
		WHEAT/BARLEY	80	80			RESIDUAL N		80		
		OATS/RYE	80	88					88		
		ORCHARDGRASS	4	200			MANURE		200		
		ALFALFA	5	250			LEGUME		250		
P1	8.0	CORN	180	180			STARTER N		180		
		SOYBEANS	50	160			2005 RMS		160		
		WHEAT/BARLEY	80	80			RESIDUAL N		80		
		OATS/RYE	80	88					88		
		ORCHARDGRASS	4	200			MANURE		200		
		ALFALFA	5	250			LEGUME		250		
P2	3.7	CORN	180	180			STARTER N		180		
		SOYBEANS	50	160			2005 RMS		160		
		WHEAT/BARLEY	80	80			RESIDUAL N		80		
		OATS/RYE	80	88					88		
		ORCHARDGRASS	4	200			MANURE		200		
		ALFALFA	5	250			LEGUME		250		

Farm:

Cunfer

Field	Acres	Crop	Rate (lbs of N/ac)	Field Capacity (lbs of N)
F5	8.4	Corn	180	1512
		Soybeans	160	1344
		Wheat/Barley	80	672
		Oats/Rye	88	739
		Orchardgrass	200	1680
		Alfalfa	250	2100
F6	2.1	Corn	180	378
		Soybeans	160	336
		Wheat/Barley	80	168
		Oats/Rye	88	184
		Orchardgrass	200	420
		Alfalfa	250	525
F7A	2	Corn	180	360
		Soybeans	160	320
		Wheat/Barley	80	160
		Oats/Rye	88	176
		Orchardgrass	200	400
		Alfalfa	250	500

Farm:

Cunfer

Field	Acres	Crop	Rate (lbs of N/ac)	Field Capacity (lbs of N)
F7B	0.9	Corn	180	162
		Soybeans	160	144
		Wheat/Barley	80	72
		Oats/Rye	88	79
		Orchardgrass	200	180
		Alfalfa	250	225
F9	4.4	Corn	180	792
		Soybeans	160	704
		Wheat/Barley	80	352
		Oats/Rye	88	387
		Orchardgrass	200	880
		Alfalfa	250	1100
F11	4.4	Corn	180	792
		Soybeans	160	704
		Wheat/Barley	80	352
		Oats/Rye	88	387
		Orchardgrass	200	880
		Alfalfa	250	1100

Farm:

Cunfer

Field	Acres	Crop	Rate (lbs of N/ac)	Field Capacity (lbs of N)
F12	2.7	Corn	180	486
		Soybeans	160	432
		Wheat/Barley	80	216
		Oats/Rye	88	237
		Orchardgrass	200	540
		Alfalfa	250	675
F13	2.7	Corn	180	486
		Soybeans	160	432
		Wheat/Barley	80	216
		Oats/Rye	88	237
		Orchardgrass	200	540
		Alfalfa	250	675
F14A	3.3	Corn	180	594
		Soybeans	160	528
		Wheat/Barley	80	264
		Oats/Rye	88	290
		Orchardgrass	200	660
		Alfalfa	250	825

Farm: Cunfer

Field	Acres	Crop	Rate (lbs of N/ac)	Field Capacity (lbs of N)
F14B	1.8	Corn	180	324
		Soybeans	160	288
		Wheat/Barley	80	144
		Oats/Rye	88	158
		Orchardgrass	200	360
		Alfalfa	250	450
F15	3.8	Corn	180	684
		Soybeans	160	608
		Wheat/Barley	80	304
		Oats/Rye	88	334
		Orchardgrass	200	760
		Alfalfa	250	950
F16	1.8	Corn	180	324
		Soybeans	160	288
		Wheat/Barley	80	144
		Oats/Rye	88	158
		Orchardgrass	200	360
		Alfalfa	250	450

Farm: Cunfer

Field	Acres	Crop	Rate (lbs of N/ac)	Field Capacity (lbs of N)
F17	2	Corn	180	360
		Soybeans	160	320
		Wheat/Barley	80	160
		Oats/Rye	88	176
		Orchardgrass	200	400
		Alfalfa	250	500
F18	2.9	Corn	180	522
		Soybeans	160	464
		Wheat/Barley	80	232
		Oats/Rye	88	255
		Orchardgrass	200	580
		Alfalfa	250	725
F19	3.4	Corn	180	612
		Soybeans	160	544
		Wheat/Barley	80	272
		Oats/Rye	88	299
		Orchardgrass	200	680
		Alfalfa	250	850

Farm:

Cunfer

Field	Acres	Crop	Rate (lbs of N/ac)	Field Capacity (lbs of N)
F21	1.5	Corn	180	270
		Soybeans	160	240
		Wheat/Barley	80	120
		Oats/Rye	88	132
		Orchardgrass	200	300
		Alfalfa	250	375
G	4.4	Corn	180	792
		Soybeans	160	704
		Wheat/Barley	80	352
		Oats/Rye	88	387
		Orchardgrass	200	880
		Alfalfa	250	1100
H1	3.3	Corn	180	594
		Soybeans	160	528
		Wheat/Barley	80	264
		Oats/Rye	88	290
		Orchardgrass	200	660
		Alfalfa	250	825

Farm:

Cunfer

Field	Acres	Crop	Rate (lbs of N/ac)	Field Capacity (lbs of N)
H3	5.3	Corn	180	954
		Soybeans	160	848
		Wheat/Barley	80	424
		Oats/Rye	88	466
		Orchardgrass	200	1060
		Alfalfa	250	1325
H4	4.3	Corn	180	774
		Soybeans	160	688
		Wheat/Barley	80	344
		Oats/Rye	88	378
		Orchardgrass	200	860
		Alfalfa	250	1075
H5	7	Corn	180	1260
		Soybeans	160	1120
		Wheat/Barley	80	560
		Oats/Rye	88	616
		Orchardgrass	200	1400
		Alfalfa	250	1750

Farm:

Cunfer

Field	Acres	Crop	Rate (lbs of N/ac)	Field Capacity (lbs of N)
H6	5	Corn	180	900
		Soybeans	160	800
		Wheat/Barley	80	400
		Oats/Rye	88	440
		Orchardgrass	200	1000
		Alfalfa	250	1250
H7	3.4	Corn	180	612
		Soybeans	160	544
		Wheat/Barley	80	272
		Oats/Rye	88	299
		Orchardgrass	200	680
		Alfalfa	250	850
H8	1.2	Corn	180	216
		Soybeans	160	192
		Wheat/Barley	80	96
		Oats/Rye	88	105
		Orchardgrass	200	240
		Alfalfa	250	300

Farm: Cunfer

Field	Acres	Crop	Rate (lbs of N/ac)	Field Capacity (lbs of N)
H9	1.9	Corn	180	342
		Soybeans	160	304
		Wheat/Barley	80	152
		Oats/Rye	88	167
		Orchardgrass	200	380
		Alfalfa	250	475
H10	4.9	Corn	180	882
		Soybeans	160	784
		Wheat/Barley	80	392
		Oats/Rye	88	431
		Orchardgrass	200	980
		Alfalfa	250	1225
H11	2.2	Corn	180	396
		Soybeans	160	352
		Wheat/Barley	80	176
		Oats/Rye	88	193
		Orchardgrass	200	440
		Alfalfa	250	550

Farm: Cunfer

Field	Acres	Crop	Rate (lbs of N/ac)	Field Capacity (lbs of N)
H13	6	Corn	180	1080
		Soybeans	160	960
		Wheat/Barley	80	480
		Oats/Rye	88	528
		Orchardgrass	200	1200
		Alfalfa	250	1500
H17	0.2	Corn	180	36
		Soybeans	160	32
		Wheat/Barley	80	16
		Oats/Rye	88	17
		Orchardgrass	200	40
		Alfalfa	250	50
H19	0.8	Corn	180	144
		Soybeans	160	128
		Wheat/Barley	80	64
		Oats/Rye	88	70
		Orchardgrass	200	160
		Alfalfa	250	200

Farm: Cunfer

Field	Acres	Crop	Rate (lbs of N/ac)	Field Capacity (lbs of N)
P1	8	Corn	180	1440
		Soybeans	160	1280
		Wheat/Barley	80	640
		Oats/Rye	88	704
		Orchardgrass	200	1600
		Alfalfa	250	2000
P2	3.7	Corn	180	666
		Soybeans	160	592
		Wheat/Barley	80	296
		Oats/Rye	88	325
		Orchardgrass	200	740
		Alfalfa	250	925

Report Number: 17-333-0691
 Account Number: 52154

Send To: Synagro Central LLC
 1605 Dudley Road
 Whiteford MD 21160



7621 Whitepine Road, Richmond, VA 23237
 Main 804-743-9401 • Fax 804-271-6446
 www.waypointanalytical.com

Grower: Cumfer

"Every acre...Every year."™

Farm ID/Name: CB-4

SOIL ANALYSIS REPORT

Analytical Method(s): Mehlich 3 SMP Buffer pH Loss On Ignition Water pH

Date Received: 11/29/2017 Date Of Analysis: 11/30/2017 Date Of Report: 11/30/2017

Sample ID Field ID	Lab Number	OM %	W/V		ENR	Phosphorus			Potassium K	Magnesium Mg	Calcium Ca	Sodium Na	pH	Acidity H	C.E.C
			Soil Class	Rate		lbs/A	ppm	Rate							
H1&2	06311	4.5 M			128	39 MD = 45			117 MD = 74	127 MD = 99	1281 MD = 135	28 VL	6.5	0.6	8.5
H3	06312	4.3 M			128	31 MD = 36			88 MD = 55	72 MD = 58	577 MD = 46	28 L	5.3	1.7	5.5
H4	06313	3.5 M			111	13 MD = 17			42 MD = 25	70 MD = 56	979 MD = 97	22 VL	6.5	0.5	6.2
H5	06314	4.2 M			125	26 MD = 31			63 MD = 39	85 MD = 67	712 MD = 63	25 VL	5.5	1.6	6.1
H6	06315	3.9 M			118	8 MD = 11			42 MD = 25	111 MD = 87	1113 MD = 114	25 VL	6.5	0.5	7.2

Sample ID Field ID	Percent Base Saturation				Nitrate NO ₃ N	Sulfur S	Zinc Zn	Manganese Mn	Iron Fe	Copper Cu	Boron B	Soluble Salts	
	K %	Mg %	Ca %	Na %								SS ms/cm	Rate
H1&2	3.5	12.5	75.4	1.4		5 VL	82.9 VH	44 H	119 VH	9.6 VH	0.5 L		
H3	4.1	10.9	52.5	2.2		12 L	83.1 VH	33 H	104 VH	10.6 VH	0.3 VL		
H4	1.7	9.4	79.0	1.5		3 VL	70.0 VH	54 VH	90 VH	6.7 VH	0.4 L		
H5	2.6	11.6	58.4	1.8		11 L	86.5 VH	45 H	104 VH	4.9 VH	0.4 L		
H6	1.5	12.8	77.3	1.5		7 VL	83.3 VH	66 VH	89 VH	4.8 VH	0.5 L		

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: Waypoint Analytical Virginia, Inc.

by: *Pauric McGroarty*
 Pauric McGroarty

Report Number: 17-333-0691
 Account Number: 52154

Send To: Synagro Central LLC
 1605 Dudley Road
 Whiteford MD 21160



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Grower: Cunfer

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Farm ID/Name: CB-4

SOIL ANALYSIS REPORT

Date Received: 11/29/2017 Date of Analysis: 11/30/2017 Date of Report: 11/30/2017

Analytical Method(s): Mehlich 3 SMP Buffer pH Loss On Ignition Water pH

Sample ID Field ID	Lab Number	OM % Rate	W/V Soil Class	ENR lbs/A	Phosphorus			Potassium K ppm Rate	Magnesium Mg ppm Rate	Calcium Ca ppm Rate	Sodium Na ppm Rate	pH		Acidity H meq/100g	C.E.C meq/100g
					M3 ppm Rate	ppm Rate	ppm Rate					Soil pH	Buffer Index		
H7	06316	3.1 M		104	15 L MD = 19		48 VL MD = 29	127 H MD = 99	746 M MD = 67	29 L		6.5	0.4	5.4	
H8	06317	2.5 L		93	28 L MD = 33		130 VH MD = 82	56 L MD = 45	583 M MD = 47	22 VL		5.8	0.9	4.7	
H9&10	06318	4.1 M		125	46 M MD = 52		133 VH MD = 84	54 L MD = 44	449 L MD = 30	25 L		5.2	1.6	4.7	
H11&12	06319	4.5 M		132	22 L MD = 26		57 L MD = 35	67 M MD = 54	677 M MD = 59	22 VL		5.6	1.3	5.5	
H13&16	06320	4.0 M		121	22 L MD = 26		65 L MD = 40	103 M MD = 81	905 H MD = 87	20 VL		6.3	0.7	6.3	

Sample ID Field ID	Percent Base Saturation				Nitrate NO ₃ N ppm Rate	Sulfur S ppm Rate	Zinc Zn ppm Rate	Manganese Mn ppm Rate	Iron Fe ppm Rate	Copper Cu ppm Rate	Boron B ppm Rate	Soluble Salts	
	K %	Mg %	Ca %	Na %								SS ms/cm Rate	SS ms/cm Rate
H7	2.3	19.6	69.1	2.3		11 L	64.9 VH	21 H	83 VH	7.3 VH	0.4 L		
H8	7.1	9.9	62.0	2.0		10 L	85.1 VH	27 H	116 VH	4.7 VH	0.3 VL		
H9&10	7.3	9.6	47.8	2.3		5 VL	77.6 VH	23 H	103 VH	5.6 VH	0.3 VL		
H11&12	2.7	10.2	61.5	1.7		8 VL	128.8 VH	46 H	103 VH	3.5 VH	0.4 L		
H13&16	2.6	13.6	71.8	1.4		8 VL	86.9 VH	68 VH	101 VH	3.1 VH	0.4 L		

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-rihos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppt.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: Waypoint Analytical Virginia, Inc.

by: *Paucic McGroary*
 Paucic McGroary

Report Number: 17-333-0691
 Account Number: 52154

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Grower: Cunfer

Farm ID/Name: CB-4

SOIL ANALYSIS REPORT

Date Received: 11/29/2017 Date Of Analysis: 11/30/2017 Date Of Report: 11/30/2017

Analytical Method(s): Mehlich 3 SMP Buffer pH Loss On Ignition Water pH

Sample ID Field ID	Lab Number	OM % Rate	W/V Soil Class	ENR lbs/A	Phosphorus		Potassium K ppm Rate	Magnesium Mg ppm Rate	Calcium Ca ppm Rate	Sodium Na ppm Rate	pH Soil pH	Acidity H meq/100g	C.E.C meq/100g
					M3 ppm Rate	ppm Rate							
H17&18	06322	4.0 M		122	40 MD = 46		174 MD = 111	78 MD = 62	663 MD = 57	26 VL	5.6	6.79	5.9
H19	06323	3.7 M		118	51 MD = 58		123 MD = 78	77 MD = 61	488 MD = 35	25 L	5.7	6.84	4.4
Pasture	06324	4.4 M		132	12 MD = 16		90 MD = 56	83 MD = 66	470 MD = 33	24 L	6.0	6.87	4.0
Paddocks	06325	4.7 M		136	69 MD = 77		110 MD = 69	124 MD = 97	651 MD = 55	27 L	6.1	6.86	5.4
Gabby's	06326	4.6 M		130	67 MD = 75		115 MD = 73	75 MD = 60	1347 MD = 143	26 VL	6.7	6.86	8.2

Sample ID Field ID	Percent Base Saturation				Nitrate NO ₃ N ppm Rate	Sulfur S ppm Rate	Zinc Zn ppm Rate	Manganese Mn ppm Rate	Iron Fe ppm Rate	Copper Cu ppm Rate	Boron B ppm Rate	Soluble Salts	
	K %	Mg %	Ca %	Na %								SS ms/cm	Rate
H17&18	7.6	11.0	56.2	1.9	23.7	11 L	119.3 VH	49 H	99 VH	2.2 H	0.3 VL		
H19	7.2	14.6	55.5	2.5	20.5	8 VL	53.8 VH	44 H	116 VH	3.2 VH	0.3 VL		
Pasture	5.8	17.3	58.8	2.6	15.0	7 VL	49.2 VH	120 VH	149 VH	4.6 VH	0.4 L		
Paddocks	5.2	19.1	60.3	2.2	13.0	12 L	80.9 VH	45 H	107 VH	7.1 VH	0.4 L		
Gabby's	3.6	7.6	82.1	1.4	4.9	10 L	52.3 VH	23 H	115 VH	2.8 H	0.5 L		

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: Waypoint Analytical Virginia, Inc.

by: *Paula McGeary*
 Paula McGeary
 Paulette McGroarty

Report Number: 17-333-0691
 Account Number: 52154

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Farm ID/Name: CB-4

SOIL ANALYSIS REPORT

Analytical Method(s): Mehlich 3 SMP Buffer pH Loss On Ignition Water pH

Date Received: 11/29/2017 Date Of Analysis: 11/30/2017 Date Of Report: 11/30/2017

Sample ID Field ID	Lab Number	OM %	W/V Soil Class	ENR lbs/A	Phosphorus		Potassium K ppm	Magnesium Mg ppm	Calcium Ca ppm	Sodium Na ppm	pH		Acidity H meq/100g	C.E.C meq/100g
					M3 ppm	Rate					Soil pH	Buffer Index		
F1	06327	4.1 M		122	30 L MD = 35		58 L MD = 36	63 L MD = 51	1297 VH MD = 137	25 VL	7.4		0.0	7.3
F2	06328	3.8 M		117	64 H MD = 72		143 H MD = 91	58 L MD = 47	758 M MD = 69	27 VL	5.6	6.79	1.4	6.2
F3	06329	3.5 M		114	36 M MD = 42		49 L MD = 30	49 M MD = 40	530 M MD = 40	23 L	5.9	6.86	0.7	4.0
F4	06330	2.8 M		99	12 VL MD = 16		33 VL MD = 20	56 L MD = 45	891 VH MD = 86	21 VL	7.0		0.0	5.1
F5	06331	3.1 M		102	19 L MD = 23		40 VL MD = 24	89 M MD = 70	1148 VH MD = 118	24 VL	7.3		0.0	6.7

Sample ID Field ID	Percent Base Saturation				Nitrate NO ₃ N ppm	Sulfur S ppm	Zinc Zn ppm	Manganese Mn ppm	Iron Fe ppm	Copper Cu ppm	Boron B ppm	Soluble Salts	
	K %	Mg %	Ca %	Na %								SS ms/cm	Rate
F1	2.0	7.2	88.8	1.5	0.0	2 VL	29.5 VH	26 H	79 VH	2.2 H	0.4 L		
F2	5.9	7.8	61.1	1.9	22.6	11 L	57.3 VH	41 H	102 VH	2.0 H	0.3 VL		
F3	3.1	10.2	66.3	2.5	17.5	9 VL	59.1 VH	30 H	86 VH	2.0 H	0.3 VL		
F4	1.7	9.2	87.4	1.8	0.0	7 VL	31.5 VH	39 H	95 VH	2.5 H	0.4 L		
F5	1.5	11.1	85.7	1.6	0.0	2 VL	36.3 VH	45 H	74 VH	2.0 H	0.4 L		

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: Waypoint Analytical Virginia, Inc.

by: *Patrick McGeary*
 Pauric McGroary

Report Number: 17-333-0691
 Account Number: 52154

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Grower: Cunfer

Farm ID/Name: CB-4

SOIL ANALYSIS REPORT

Analytical Method(s): Mehlich 3 SMP Buffer pH Loss On Ignition Water pH

Date Received: 11/29/2017 Date of Analysis: 11/30/2017 Date of Report: 11/30/2017

Sample ID Field ID	Lab Number	OM %	W/V Soil Class	ENR lbs/A	Phosphorus			Potassium K ppm	Magnesium Mg ppm	Calcium Ca ppm	Sodium Na ppm	pH Soil pH	Acidity H meq/100g	C.E.C meq/100g
					M3 ppm	ppm	Rate							
F6	06333	3.2 M		107	19 MD = 23		43 MD = 26	136 MD = 106	601 MD = 49	22 VL	6.3	0.5	4.8	
F7	06334	3.1 M		105	16 MD = 20		29 MD = 17	61 MD = 49	746 MD = 67	25 L	6.3	0.5	4.9	
F7A	06335	5.4 H		148	78 MD = 87		184 MD = 117	147 MD = 114	820 MD = 77	24 VL	6.2	0.8	6.7	
F8	06336	4.3 M		122	52 MD = 59		51 MD = 31	100 MD = 79	1741 MD = 193	21 VL	7.5	0.0	9.8	
F9	06337	4.6 M		131	47 MD = 54		45 MD = 27	63 MD = 51	1333 MD = 141	33 VL	6.8	0.2	7.6	

Sample ID Field ID	Percent Base Saturation				Nitrate NO ₃ N ppm	Sulfur S ppm	Zinc Zn ppm	Manganese Mn ppm	Iron Fe ppm	Copper Cu ppm	Boron B ppm	Soluble Salts	
	K %	Mg %	Ca %	Na %								SS ms/cm	Rate
F6	2.3	23.6	62.6	2.0	10.4	5	36.8	31	74	1.6	0.3	VL	
F7	1.5	10.4	76.1	2.2	10.2	2	28.7	20	94	1.3	0.3	VL	
F7A	7.0	18.3	61.2	1.6	11.9	9	51.3	47	119	3.3	0.4	L	
F8	1.3	8.5	88.8	0.9	0.0	3	27.0	34	99	3.3	0.4	L	
F9	1.5	6.9	87.7	1.9	2.6	7	41.9	33	109	2.8	0.4	L	

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: Waypoint Analytical Virginia, Inc.

by: *Paucic McGeary*

Paucic McGeary

Report Number: 17-333-0691

Account Number: 52154

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Farm ID/Name: CB-4

SOIL ANALYSIS REPORT

Analytical Method(s): Mehlich 3 SMP Buffer pH Loss On Ignition Water pH

Date Received: 11/29/2017 Date Of Analysis: 11/30/2017 Date Of Report: 11/30/2017

Sample ID Field ID	Lab Number	OM % Rate	W/W Soil Class	ENR lbs/A	Phosphorus			Potassium K ppm Rate	Magnesium Mg ppm Rate	Calcium Ca ppm Rate	Sodium Na ppm Rate	pH Soil pH	Acidity H meq/100g	C.E.C meq/100g
					M3 ppm Rate	ppm Rate	ppm Rate							
F10	06338	4.4 M		130	32 MD = 37		50 MD = 31	141 MD = 110	767 MD = 70	31 L	6.6	0.3	5.6	
F11	06339	3.8 M		121	48 MD = 55		118 MD = 75	66 MD = 53	345 MD = 17	30 L	5.5	0.9	3.6	
F12	06340	4.1 M		125	61 MD = 69		56 MD = 34	110 MD = 86	576 MD = 46	25 L	5.8	1.0	5.0	
F13	06341	3.7 M		117	68 MD = 76		46 MD = 28	128 MD = 100	564 MD = 44	22 VL	5.9	0.8	4.9	
F14A	06342	3.5 M		110	27 MD = 32		72 MD = 45	154 MD = 120	1066 MD = 108	28 VL	6.9	0.1	7.0	

Sample ID Field ID	Percent Base Saturation				Nitrate NO ₃ N ppm Rate	Sulfur S ppm Rate	Zinc Zn ppm Rate	Manganese Mn ppm Rate	Iron Fe ppm Rate	Copper Cu ppm Rate	Boron B ppm Rate	Soluble Salts	
	K %	Mg %	Ca %	Na %								SS ms/cm Rate	SS ms/cm Rate
F10	2.3	21.0	68.5	2.4		8 VL	51.4 VH	21 H	98 VH	3.1 VH	0.4 L		
F11	8.4	15.3	47.9	3.6		8 VL	35.4 VH	14 M	94 VH	1.7 H	0.2 VL		
F12	2.9	18.3	57.6	2.2		15 L	43.4 VH	20 M	135 VH	1.6 H	0.4 L		
F13	2.4	21.8	57.6	2.0		7 VL	59.6 VH	15 M	124 VH	5.3 VH	0.4 L		
F14A	2.6	18.3	76.1	1.7		5 VL	62.3 VH	28 H	108 VH	3.7 VH	0.6 M		

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: Waypoint Analytical Virginia, Inc.

by: *Paucic McGeary*

Paucic McGeary



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Grower: Cunfer

Farm ID/Name: CB-4

Analytical Method(s): Mehlich 3 SMP Buffer pH Loss On Ignition Water pH

SOIL ANALYSIS REPORT

Date Received: 11/29/2017 Date Of Analysis: 11/30/2017 Date Of Report: 11/30/2017

Sample ID Field ID	Lab Number	OM % Rate	W/V Soil Class	ENR lbs/A	Phosphorus		Potassium K ppm Rate	Magnesium Mg ppm Rate	Calcium Ca ppm Rate	Sodium Na ppm Rate	pH	Acidity H meq/100g	C.E.C meq/100g
					M3 ppm Rate	ppm Rate							
F14B	06344	3.1 M		104	15 L MD = 19		36 VL MD = 21	80 M MD = 64	955 H MD = 94	22 VL	6.9	0.1	5.7
F15	06345	3.8 M		119	28 L MD = 33		113 VH MD = 71	83 M MD = 66	507 M MD = 37	29 L	5.5	1.3	4.9
F16	06346	3.7 M		115	20 L MD = 24		62 L MD = 38	154 H MD = 120	914 H MD = 89	27 VL	6.7	0.3	6.4
F17	06347	4.1 M		124	73 H MD = 82		80 L MD = 50	96 M MD = 76	729 M MD = 65	23 VL	5.8	1.1	5.9
F18	06348	3.4 M		109	13 VL MD = 17		56 L MD = 34	135 H MD = 105	918 H MD = 89	28 VL	6.9	0.1	6.1

Sample ID Field ID	Percent Base Saturation				Nitrate NO ₃ ppm Rate	Sulfur S ppm Rate	Zinc Zn ppm Rate	Manganese Mn ppm Rate	Iron Fe ppm Rate	Copper Cu ppm Rate	Boron B ppm Rate	Soluble Salts	
	K %	Mg %	Ca %	Na %								SS ms/cm Rate	SS ms/cm Rate
F14B	1.6	11.7	83.8	1.7		3 VL	32.4 VH	26 H	119 VH	2.7 H	0.4 L		
F15	5.9	14.1	51.7	2.6		9 VL	77.3 VH	37 H	109 VH	2.4 H	0.3 VL		
F16	2.5	20.1	71.4	1.8		11 L	55.6 VH	39 H	97 VH	3.0 H	0.5 L		
F17	3.5	13.6	61.8	1.7		3 VL	58.2 VH	35 H	128 VH	2.6 H	0.4 L		
F18	2.4	18.4	75.2	2.0		8 VL	37.0 VH	27 H	85 VH	1.3 M	0.4 L		

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-rihos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: Waypoint Analytical Virginia, Inc.

by: *Paucic McGroary*
 Paucic McGroary

Send To: Synagro Central LLC
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Grower: Cunfer

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Farm ID/Name: CB-4

SOIL ANALYSIS REPORT

Analytical Method(s): Mehlich 3 SMP Buffer pH Loss On Ignition Water pH

Date Received: 11/29/2017 Date of Analysis: 11/30/2017 Date of Report: 11/30/2017

Sample ID Field ID	Lab Number	OM % Rate	W/V Soil Class	ENR lbs/A	Phosphorus			Potassium K ppm Rate	Magnesium Mg ppm Rate	Calcium Ca ppm Rate	Sodium Na ppm Rate	pH		Acidity H meq/100g	C.E.C meq/100g
					IM3 ppm Rate	ppm Rate	ppm Rate					Soil pH	Buffer Index		
F19	06349	3.0 M		103	19 L MD = 23		62 L MD = 38	88 M MD = 70	633 M MD = 53	26 L		6.1	6.86	0.7	4.9
F20	06350	3.5 M		113	42 M MD = 48		97 M MD = 61	138 H MD = 108	561 M MD = 44	24 VL		5.9	6.84	0.9	5.2
F21	06351	3.7 M		115	35 M MD = 40		116 M MD = 73	122 H MD = 95	642 M MD = 54	22 VL		5.4	6.75	1.8	6.4

Sample ID Field ID	Percent Base Saturation				Nitrate NO ₃ N ppm Rate	Sulfur S ppm Rate	Zinc Zn ppm Rate	Manganese Mn ppm Rate	Iron Fe ppm Rate	Copper Cu ppm Rate	Boron B ppm Rate	Soluble Salts	
	K %	Mg %	Ca %	Na %								SS ms/cm	SS Rate
F19	3.2	15.0	64.6	2.3		7 VL	30.9 VH	21 H	81 VH	1.2 M	0.3 VL		
F20	4.8	22.1	53.9	2.0		6 VL	27.9 VH	25 H	123 VH	1.2 M	0.3 VL		
F21	4.6	15.9	50.2	1.5		9 VL	48.6 VH	25 H	90 VH	2.2 H	0.4 L		

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: Waypoint Analytical Virginia, Inc.

by: *Paucic McGroary*

Paucic McGroary



Report Number 17-333-0220 Page: 1 of 76
 Account Number 52154

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Whiteford, MD 21160

Submitted By: Kevin Smeltz

Purchase Order:

Report Date: 12/13/2017

Date Received: 11/29/2017

Project: Cunfer/CB-4

Date Sampled:

Lab Number: 57386

Sample Id: H1&2

REPORT OF ANALYSIS

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
Total Copper, mg/Kg	37.6	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Zinc, mg/Kg	332	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Cadmium, mg/Kg	3.20	0.20	AG TOTAL METALS	12/04/2017 17:00	BW
Total Chromium, mg/Kg	13.0	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Nickel, mg/Kg	11.3	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Lead, mg/Kg	37.5	0.60	AG TOTAL METALS	12/04/2017 17:00	BW
Total Arsenic, mg/Kg	9.04	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Mercury, mg/Kg	<0.400	0.400	SW-7471B	12/06/2017 15:37	MOS
Total Selenium, mg/Kg	<1.00	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Molybdenum, mg/Kg	<0.50	0.50	AG TOTAL METALS	12/04/2017 17:00	BW

Pauric McGroarty

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Submitted By : Kevin Smeltz
 Purchase Order :
 Report Date : 12/13/2017
 Date Received : 11/29/2017

Project : Cunfer/CB-4

Date Sampled :

Lab Number: 57386
 Sample Id : H1&2

REPORT OF ANALYSIS

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
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Method Reference:

USEPA, SW-846, Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods, 3rd Ed. Current Revision
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Submitted By : Kevin Smeltz
Purchase Order :

Project : Cunfer/CB-4

Report Date : 12/13/2017
Date Received : 11/29/2017

REPORT OF ANALYSIS

Date Sampled :

Lab Number: 57387
Sample Id : H3

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
Total Copper , mg/Kg	35.0	0.33	AG TOTAL METALS	12/04/2017 17:00	BW
Total Zinc , mg/Kg	276	0.66	AG TOTAL METALS	12/04/2017 17:00	BW
Total Cadmium , mg/Kg	2.92	0.13	AG TOTAL METALS	12/04/2017 17:00	BW
Total Chromium , mg/Kg	13.3	0.33	AG TOTAL METALS	12/04/2017 17:00	BW
Total Nickel , mg/Kg	13.2	0.33	AG TOTAL METALS	12/04/2017 17:00	BW
Total Lead , mg/Kg	38.9	0.40	AG TOTAL METALS	12/04/2017 17:00	BW
Total Arsenic , mg/Kg	8.74	0.66	AG TOTAL METALS	12/04/2017 17:00	BW
Total Mercury , mg/Kg	<0.400	0.400	SW-7471B	12/06/2017 15:39	MOS
Total Selenium , mg/Kg	<0.66	0.66	AG TOTAL METALS	12/04/2017 17:00	BW
Total Molybdenum , mg/Kg	<0.33	0.33	AG TOTAL METALS	12/04/2017 17:00	BW

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Project: Cunfer/CB-4

REPORT OF ANALYSIS

Date Sampled:

Lab Number: 57387
 Sample Id: H3

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
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Method Reference:

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Project : Cumer/CB-4

REPORT OF ANALYSIS

Date Sampled :

Lab Number: 57388
Sample Id : H4

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
Total Copper , mg/Kg	19.4	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Zinc , mg/Kg	231	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Cadmium , mg/Kg	2.39	0.20	AG TOTAL METALS	12/04/2017 17:00	BW
Total Chromium , mg/Kg	13.0	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Nickel , mg/Kg	4.20	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Lead , mg/Kg	24.4	0.60	AG TOTAL METALS	12/04/2017 17:00	BW
Total Arsenic , mg/Kg	6.58	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Mercury , mg/Kg	<0.400	0.400	SW-7471B	12/06/2017 15:42	MOS
Total Selenium , mg/Kg	<1.00	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Molybdenum , mg/Kg	<0.50	0.50	AG TOTAL METALS	12/04/2017 17:00	BW

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Project : Cunfer/CB-4

REPORT OF ANALYSIS

Date Sampled :

Lab Number: 57388
Sample Id : H4

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
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Method Reference:

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Date Sampled:

REPORT OF ANALYSIS

Lab Number: 57389

Sample Id: H5

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
Total Copper, mg/Kg	18.4	0.33	AG TOTAL METALS	12/04/2017 17:00	BW
Total Zinc, mg/Kg	272	0.66	AG TOTAL METALS	12/04/2017 17:00	BW
Total Cadmium, mg/Kg	2.66	0.13	AG TOTAL METALS	12/04/2017 17:00	BW
Total Chromium, mg/Kg	13.0	0.33	AG TOTAL METALS	12/04/2017 17:00	BW
Total Nickel, mg/Kg	5.48	0.33	AG TOTAL METALS	12/04/2017 17:00	BW
Total Lead, mg/Kg	27.3	0.40	AG TOTAL METALS	12/04/2017 17:00	BW
Total Arsenic, mg/Kg	6.64	0.66	AG TOTAL METALS	12/04/2017 17:00	BW
Total Mercury, mg/Kg	<0.400	0.400	SW-7471B	12/06/2017 15:44	MOS
Total Selenium, mg/Kg	<0.66	0.66	AG TOTAL METALS	12/04/2017 17:00	BW
Total Molybdenum, mg/Kg	<0.33	0.33	AG TOTAL METALS	12/04/2017 17:00	BW

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Project : Cunfer/CB-4

REPORT OF ANALYSIS

Date Sampled :

Lab Number: 57389
Sample Id : H5

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
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Method Reference:

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Project : Cunfer/CB-4

REPORT OF ANALYSIS

Date Sampled :

Lab Number: 57390
Sample Id : H6

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
Total Copper , mg/Kg	18.3	0.33	AG TOTAL METALS	12/04/2017 17:00	BW
Total Zinc , mg/Kg	319	0.66	AG TOTAL METALS	12/04/2017 17:00	BW
Total Cadmium , mg/Kg	3.27	0.13	AG TOTAL METALS	12/04/2017 17:00	BW
Total Chromium , mg/Kg	14.5	0.33	AG TOTAL METALS	12/04/2017 17:00	BW
Total Nickel , mg/Kg	3.93	0.33	AG TOTAL METALS	12/04/2017 17:00	BW
Total Lead , mg/Kg	30.8	0.40	AG TOTAL METALS	12/04/2017 17:00	BW
Total Arsenic , mg/Kg	6.80	0.66	AG TOTAL METALS	12/04/2017 17:00	BW
Total Mercury , mg/Kg	<0.400	0.400	SW-7471B	12/06/2017 15:51	MOS
Total Selenium , mg/Kg	<0.66	0.66	AG TOTAL METALS	12/04/2017 17:00	BW
Total Molybdenum , mg/Kg	0.36	0.33	AG TOTAL METALS	12/04/2017 17:00	BW

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Date Sampled:

REPORT OF ANALYSIS

Lab Number: 57390

Sample Id : H6

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
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Method Reference:

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Project : Cunfer/CB-4

REPORT OF ANALYSIS

Date Sampled :

Lab Number: 57391

Sample Id : H7

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
Total Copper , mg/Kg	22.9	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Zinc , mg/Kg	236	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Cadmium , mg/Kg	2.66	0.20	AG TOTAL METALS	12/04/2017 17:00	BW
Total Chromium , mg/Kg	10.3	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Nickel , mg/Kg	3.38	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Lead , mg/Kg	25.8	0.60	AG TOTAL METALS	12/04/2017 17:00	BW
Total Arsenic , mg/Kg	7.36	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Mercury , mg/Kg	<0.400	0.400	SW-7471B	12/06/2017 16:01	MOS
Total Selenium , mg/Kg	<1.00	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Molybdenum , mg/Kg	0.65	0.50	AG TOTAL METALS	12/04/2017 17:00	BW

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Project : Cunfer/CB-4

REPORT OF ANALYSIS

Date Sampled :

Lab Number: 57391
 Sample Id : H7

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
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Method Reference:

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Report Date : 12/13/2017
Date Received : 11/29/2017

Project : Cunfer/CB-4

Date Sampled :

REPORT OF ANALYSIS

Lab Number: 57392
Sample Id : H8

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
Total Copper , mg/Kg	18.6	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Zinc , mg/Kg	244	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Cadmium , mg/Kg	2.64	0.20	AG TOTAL METALS	12/04/2017 17:00	BW
Total Chromium , mg/Kg	9.46	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Nickel , mg/Kg	4.32	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Lead , mg/Kg	27.0	0.60	AG TOTAL METALS	12/04/2017 17:00	BW
Total Arsenic , mg/Kg	7.28	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Mercury , mg/Kg	<0.400	0.400	SW-7471B	12/06/2017 16:03	MOS
Total Selenium , mg/Kg	<1.00	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Molybdenum , mg/Kg	<0.50	0.50	AG TOTAL METALS	12/04/2017 17:00	BW

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Project : Cunfer/CB-4

REPORT OF ANALYSIS

Date Sampled :

Lab Number: 57392
Sample Id : H8

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
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Method Reference:

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Report Date : 12/13/2017
Date Received : 11/29/2017

Project : Cunfer/CB-4

Date Sampled :

Lab Number: 57393
Sample Id : H9&10

REPORT OF ANALYSIS

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
Total Copper , mg/Kg	19.6	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Zinc , mg/Kg	215	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Cadmium , mg/Kg	2.31	0.20	AG TOTAL METALS	12/04/2017 17:00	BW
Total Chromium , mg/Kg	9.21	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Nickel , mg/Kg	3.78	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Lead , mg/Kg	23.7	0.60	AG TOTAL METALS	12/04/2017 17:00	BW
Total Arsenic , mg/Kg	6.80	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Mercury , mg/Kg	<0.400	0.400	SW-7471B	12/06/2017 16:05	MOS
Total Selenium , mg/Kg	<1.00	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Molybdenum , mg/Kg	0.55	0.50	AG TOTAL METALS	12/04/2017 17:00	BW

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Project : Cunfer/CB-4

Lab Number: 57393
Sample Id : H9&10

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Date Received : 11/29/2017

Date Sampled :

REPORT OF ANALYSIS

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
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Project : Cumerf/CB-4

REPORT OF ANALYSIS

Date Sampled :

Lab Number: 57394
Sample Id : H11&12

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
Total Copper , mg/Kg	17.6	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Zinc , mg/Kg	406	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Cadmium , mg/Kg	4.54	0.20	AG TOTAL METALS	12/04/2017 17:00	BW
Total Chromium , mg/Kg	15.3	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Nickel , mg/Kg	7.10	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Lead , mg/Kg	47.4	0.60	AG TOTAL METALS	12/04/2017 17:00	BW
Total Arsenic , mg/Kg	9.13	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Mercury , mg/Kg	<0.400	0.400	SW-7471B	12/06/2017 16:08	MOS
Total Selenium , mg/Kg	<1.00	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Molybdenum , mg/Kg	<0.50	0.50	AG TOTAL METALS	12/04/2017 17:00	BW

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Date Sampled :

REPORT OF ANALYSIS

Lab Number: 57394

Sample Id : H11&12

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
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Method Reference:

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Project : Cunfer/CB-4

REPORT OF ANALYSIS

Date Sampled :

Lab Number: 57395
Sample Id : H13-16

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
Total Copper , mg/Kg	16.7	0.33	AG TOTAL METALS	12/04/2017 17:00	BW
Total Zinc , mg/Kg	405	0.66	AG TOTAL METALS	12/04/2017 17:00	BW
Total Cadmium , mg/Kg	5.17	0.13	AG TOTAL METALS	12/04/2017 17:00	BW
Total Chromium , mg/Kg	13.3	0.33	AG TOTAL METALS	12/04/2017 17:00	BW
Total Nickel , mg/Kg	8.76	0.33	AG TOTAL METALS	12/04/2017 17:00	BW
Total Lead , mg/Kg	47.7	0.40	AG TOTAL METALS	12/04/2017 17:00	BW
Total Arsenic , mg/Kg	8.40	0.66	AG TOTAL METALS	12/04/2017 17:00	BW
Total Mercury , mg/Kg	<0.400	0.400	SW-7471B	12/06/2017 16:15	MOS
Total Selenium , mg/Kg	<0.66	0.66	AG TOTAL METALS	12/04/2017 17:00	BW
Total Molybdenum , mg/Kg	0.72	0.33	AG TOTAL METALS	12/04/2017 17:00	BW

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Project : Cunfer/CB-4

Lab Number: 57395
Sample Id : H13-16

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REPORT OF ANALYSIS

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
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Method Reference:

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USEPA, SW-846, Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods, 3rd Ed. Current Revision

Comments:

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Whiteford, MD 21160

Submitted By : Kevin Smeltz
Purchase Order :

Report Date : 12/13/2017
Date Received : 11/29/2017

Project : Cunfer/CB-4

Date Sampled :

REPORT OF ANALYSIS

Lab Number: 57396
Sample Id : H17&18

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
Total Copper , mg/Kg	15.7	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Zinc , mg/Kg	354	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Cadmium , mg/Kg	3.60	0.20	AG TOTAL METALS	12/04/2017 17:00	BW
Total Chromium , mg/Kg	15.9	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Nickel , mg/Kg	7.36	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Lead , mg/Kg	37.4	0.60	AG TOTAL METALS	12/04/2017 17:00	BW
Total Arsenic , mg/Kg	10.4	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Mercury , mg/Kg	<0.400	0.400	SW-7471B	12/06/2017 16:17	MOS
Total Selenium , mg/Kg	<1.00	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Molybdenum , mg/Kg	1.52	0.50	AG TOTAL METALS	12/04/2017 17:00	BW

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Submitted By : Kevin Smeltz
Purchase Order :
Report Date : 12/13/2017
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Project : Cunter/CB-4

REPORT OF ANALYSIS

Lab Number: 57396
Sample Id : H17&18

Date Sampled :

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
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Method Reference:

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Project : Cunter/CB-4

REPORT OF ANALYSIS

Date Sampled :

Lab Number: 57397
Sample Id : H19

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
Total Copper , mg/Kg	15.1	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Zinc , mg/Kg	209	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Cadmium , mg/Kg	2.16	0.20	AG TOTAL METALS	12/04/2017 17:00	BW
Total Chromium , mg/Kg	13.8	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Nickel , mg/Kg	12.1	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Lead , mg/Kg	33.6	0.60	AG TOTAL METALS	12/04/2017 17:00	BW
Total Arsenic , mg/Kg	7.84	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Mercury , mg/Kg	<0.400	0.400	SW-7471B	12/06/2017 16:19	MOS
Total Selenium , mg/Kg	<1.00	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Molybdenum , mg/Kg	<0.50	0.50	AG TOTAL METALS	12/04/2017 17:00	BW

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Project : Cunter/CB-4

Date Sampled :

Lab Number: 57397
Sample Id : H19

REPORT OF ANALYSIS

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
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Project : Cunfer/CB-4

REPORT OF ANALYSIS

Date Sampled :

Lab Number: 57398
Sample Id : PASTURE

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
Total Copper , mg/Kg	18.7	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Zinc , mg/Kg	291	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Cadmium , mg/Kg	3.62	0.20	AG TOTAL METALS	12/04/2017 17:00	BW
Total Chromium , mg/Kg	15.9	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Nickel , mg/Kg	15.0	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Lead , mg/Kg	42.9	0.60	AG TOTAL METALS	12/04/2017 17:00	BW
Total Arsenic , mg/Kg	8.47	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Mercury , mg/Kg	<0.400	0.400	SW-7471B	12/06/2017 16:22	MOS
Total Selenium , mg/Kg	<1.00	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Molybdenum , mg/Kg	0.60	0.50	AG TOTAL METALS	12/04/2017 17:00	BW

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Project : Cunfer/CB-4

Date Sampled :

REPORT OF ANALYSIS

Lab Number: 57398

Sample Id : PASTURE

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
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Method Reference:

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Submitted By: Kevin Smeitz
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Project: Cunfer/CB-4

Date Sampled:

REPORT OF ANALYSIS

Lab Number: 57399
Sample Id: PADDOCKS

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
Total Copper, mg/Kg	27.0	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Zinc, mg/Kg	382	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Cadmium, mg/Kg	3.73	0.20	AG TOTAL METALS	12/04/2017 17:00	BW
Total Chromium, mg/Kg	15.0	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Nickel, mg/Kg	14.3	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Lead, mg/Kg	42.3	0.60	AG TOTAL METALS	12/04/2017 17:00	BW
Total Arsenic, mg/Kg	9.73	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Mercury, mg/Kg	<0.400	0.400	SW-7471B	12/06/2017 16:24	MOS
Total Selenium, mg/Kg	<1.00	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Molybdenum, mg/Kg	<0.50	0.50	AG TOTAL METALS	12/04/2017 17:00	BW

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Project : Cunfer/CB-4

Lab Number: 57399

Sample Id : PADDOCKS

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REPORT OF ANALYSIS

Analysis

Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
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Project: Cunfer/CB-4

Date Sampled:

REPORT OF ANALYSIS

Lab Number: 57400
 Sample Id: GABBY'S

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
Total Copper, mg/Kg	16.1	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Zinc, mg/Kg	208	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Cadmium, mg/Kg	2.05	0.20	AG TOTAL METALS	12/04/2017 17:00	BW
Total Chromium, mg/Kg	12.4	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Nickel, mg/Kg	6.78	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Lead, mg/Kg	38.1	0.60	AG TOTAL METALS	12/04/2017 17:00	BW
Total Arsenic, mg/Kg	6.69	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Mercury, mg/Kg	<0.400	0.400	SW-7471B	12/06/2017 16:27	MOS
Total Selenium, mg/Kg	<1.00	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Molybdenum, mg/Kg	<0.50	0.50	AG TOTAL METALS	12/04/2017 17:00	BW

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Project : Cunfer/CB-4

REPORT OF ANALYSIS

Date Sampled :

Lab Number: 57400
Sample Id : GABBY'S

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
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Method Reference:

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Project : Cunfer/CB-4

REPORT OF ANALYSIS

Date Sampled :

Lab Number: 57401

Sample Id : F1

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
Total Copper , mg/Kg	12.5	0.33	AG TOTAL METALS	12/04/2017 17:00	BW
Total Zinc , mg/Kg	187	0.66	AG TOTAL METALS	12/04/2017 17:00	BW
Total Cadmium , mg/Kg	1.90	0.13	AG TOTAL METALS	12/04/2017 17:00	BW
Total Chromium , mg/Kg	14.5	0.33	AG TOTAL METALS	12/04/2017 17:00	BW
Total Nickel , mg/Kg	10.8	0.33	AG TOTAL METALS	12/04/2017 17:00	BW
Total Lead , mg/Kg	24.5	0.40	AG TOTAL METALS	12/04/2017 17:00	BW
Total Arsenic , mg/Kg	7.53	0.66	AG TOTAL METALS	12/04/2017 17:00	BW
Total Mercury , mg/Kg	<0.400	0.400	SW-7471B	12/06/2017 16:29	MOS
Total Selenium , mg/Kg	<0.66	0.66	AG TOTAL METALS	12/04/2017 17:00	BW
Total Molybdenum , mg/Kg	<0.33	0.33	AG TOTAL METALS	12/04/2017 17:00	BW

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Project : Cunfer/CB-4

Lab Number: 57401

Sample Id : F1

REPORT OF ANALYSIS

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
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Method Reference:

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Project : Cunfer/CB-4

REPORT OF ANALYSIS

Date Sampled :

Lab Number: 57402

Sample Id : F2

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
Total Copper , mg/Kg	12.8	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Zinc , mg/Kg	177	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Cadmium , mg/Kg	2.15	0.20	AG TOTAL METALS	12/04/2017 17:00	BW
Total Chromium , mg/Kg	11.7	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Nickel , mg/Kg	10.9	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Lead , mg/Kg	29.6	0.60	AG TOTAL METALS	12/04/2017 17:00	BW
Total Arsenic , mg/Kg	7.56	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Mercury , mg/Kg	<0.400	0.400	SW-7471B	12/06/2017 16:31	MOS
Total Selenium , mg/Kg	<1.00	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Molybdenum , mg/Kg	0.75	0.50	AG TOTAL METALS	12/04/2017 17:00	BW

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Project: Cunfer/CB-4

REPORT OF ANALYSIS

Date Sampled :

Lab Number: 57402
Sample Id : F2

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
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Method Reference:

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Report Date: 12/13/2017
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Project: Cunfer/CB-4

Date Sampled:

REPORT OF ANALYSIS

Lab Number: 57403
Sample Id: F3

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
Total Copper, mg/Kg	11.0	0.33	AG TOTAL METALS	12/04/2017 17:00	BW
Total Zinc, mg/Kg	177	0.66	AG TOTAL METALS	12/04/2017 17:00	BW
Total Cadmium, mg/Kg	1.97	0.13	AG TOTAL METALS	12/04/2017 17:00	BW
Total Chromium, mg/Kg	14.8	0.33	AG TOTAL METALS	12/04/2017 17:00	BW
Total Nickel, mg/Kg	12.2	0.33	AG TOTAL METALS	12/04/2017 17:00	BW
Total Lead, mg/Kg	25.2	0.40	AG TOTAL METALS	12/04/2017 17:00	BW
Total Arsenic, mg/Kg	6.34	0.66	AG TOTAL METALS	12/04/2017 17:00	BW
Total Mercury, mg/Kg	<0.400	0.400	SW-7471B	12/06/2017 16:34	MOS
Total Selenium, mg/Kg	<0.66	0.66	AG TOTAL METALS	12/04/2017 17:00	BW
Total Molybdenum, mg/Kg	0.97	0.33	AG TOTAL METALS	12/04/2017 17:00	BW

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REPORT OF ANALYSIS

Date Sampled :

Lab Number: 57403
Sample Id : F3

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
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Method Reference:

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Project : Cumer/CB-4

Date Sampled :

Lab Number: 57404

Sample Id : F4

REPORT OF ANALYSIS

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
Total Copper , mg/Kg	14.5	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Zinc , mg/Kg	177	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Cadmium , mg/Kg	1.69	0.20	AG TOTAL METALS	12/04/2017 17:00	BW
Total Chromium , mg/Kg	18.3	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Nickel , mg/Kg	33.1	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Lead , mg/Kg	21.1	0.60	AG TOTAL METALS	12/04/2017 17:00	BW
Total Arsenic , mg/Kg	6.46	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Mercury , mg/Kg	<0.400	0.400	SW-7471B	12/06/2017 16:36	MOS
Total Selenium , mg/Kg	<1.00	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Molybdenum , mg/Kg	4.94	0.50	AG TOTAL METALS	12/04/2017 17:00	BW

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Project: Cunfer/CB-4

REPORT OF ANALYSIS

Date Sampled:

Lab Number: 57404

Sample Id: F4

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
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Method Reference:

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Project : Cunfer/CB-4

Date Sampled :

REPORT OF ANALYSIS

Lab Number: 57405
 Sample Id : F5

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
Total Copper , mg/Kg	14.8	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Zinc , mg/Kg	207	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Cadmium , mg/Kg	2.37	0.20	AG TOTAL METALS	12/04/2017 17:00	BW
Total Chromium , mg/Kg	41.7	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Nickel , mg/Kg	151	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Lead , mg/Kg	28.4	0.60	AG TOTAL METALS	12/04/2017 17:00	BW
Total Arsenic , mg/Kg	7.56	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Mercury , mg/Kg	<0.400	0.400	SW-7471B	12/06/2017 16:43	MOS
Total Selenium , mg/Kg	<1.00	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Molybdenum , mg/Kg	24.3	0.50	AG TOTAL METALS	12/04/2017 17:00	BW

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 Report Date : 12/13/2017
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Project : Cunfer/CB-4

Date Sampled :

REPORT OF ANALYSIS

Lab Number: 57405
 Sample Id : F5

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
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Method Reference:

USEPA, SW-846, Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods, 3rd Ed. Current Revision
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Project : Cunfer/CB-4

Date Sampled :

REPORT OF ANALYSIS

Lab Number: 57406
Sample Id : F6

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
Total Copper , mg/Kg	14.3	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Zinc , mg/Kg	162	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Cadmium , mg/Kg	1.80	0.20	AG TOTAL METALS	12/04/2017 17:00	BW
Total Chromium , mg/Kg	71.3	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Nickel , mg/Kg	294	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Lead , mg/Kg	23.3	0.60	AG TOTAL METALS	12/04/2017 17:00	BW
Total Arsenic , mg/Kg	7.13	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Mercury , mg/Kg	<0.400	0.400	SW-7471B	12/06/2017 16:45	MOS
Total Selenium , mg/Kg	<1.00	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Molybdenum , mg/Kg	50.1	0.50	AG TOTAL METALS	12/04/2017 17:00	BW

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Date Sampled :

REPORT OF ANALYSIS

Lab Number: 57406

Sample Id : F6

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
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Method Reference:

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Date Sampled :

REPORT OF ANALYSIS

Lab Number: 57407

Sample Id : F7

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
Total Copper , mg/Kg	12.5	0.33	AG TOTAL METALS	12/04/2017 17:00	BW
Total Zinc , mg/Kg	163	0.66	AG TOTAL METALS	12/04/2017 17:00	BW
Total Cadmium , mg/Kg	1.84	0.13	AG TOTAL METALS	12/04/2017 17:00	BW
Total Chromium , mg/Kg	12.2	0.33	AG TOTAL METALS	12/04/2017 17:00	BW
Total Nickel , mg/Kg	5.94	0.33	AG TOTAL METALS	12/04/2017 17:00	BW
Total Lead , mg/Kg	24.8	0.40	AG TOTAL METALS	12/04/2017 17:00	BW
Total Arsenic , mg/Kg	6.68	0.66	AG TOTAL METALS	12/04/2017 17:00	BW
Total Mercury , mg/Kg	<0.400	0.400	SW-7471B	12/06/2017 16:48	MOS
Total Selenium , mg/Kg	<0.66	0.66	AG TOTAL METALS	12/04/2017 17:00	BW
Total Molybdenum , mg/Kg	<0.33	0.33	AG TOTAL METALS	12/04/2017 17:00	BW

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Project: Cunfer/CB-4

REPORT OF ANALYSIS

Date Sampled:

Lab Number: 57407
Sample Id: F7

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
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Method Reference:

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REPORT OF ANALYSIS

Date Sampled :

Lab Number: 57408
 Sample Id : F7A

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
Total Copper , mg/Kg	19.0	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Zinc , mg/Kg	221	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Cadmium , mg/Kg	2.09	0.20	AG TOTAL METALS	12/04/2017 17:00	BW
Total Chromium , mg/Kg	12.1	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Nickel , mg/Kg	7.58	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Lead , mg/Kg	31.4	0.60	AG TOTAL METALS	12/04/2017 17:00	BW
Total Arsenic , mg/Kg	7.14	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Mercury , mg/Kg	<0.400	0.400	SW-7471B	12/06/2017 16:50	MOS
Total Selenium , mg/Kg	<1.00	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Molybdenum , mg/Kg	<0.50	0.50	AG TOTAL METALS	12/04/2017 17:00	BW

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Date Sampled :

REPORT OF ANALYSIS

Lab Number: 57408
Sample Id : F7A

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
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Method Reference:

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Project: Cunfer/CB-4

Date Sampled:

Lab Number: 57409
Sample Id: F8

REPORT OF ANALYSIS

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
Total Copper, mg/Kg	19.2	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Zinc, mg/Kg	206	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Cadmium, mg/Kg	2.08	0.20	AG TOTAL METALS	12/04/2017 17:00	BW
Total Chromium, mg/Kg	12.4	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Nickel, mg/Kg	8.20	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Lead, mg/Kg	30.0	0.60	AG TOTAL METALS	12/04/2017 17:00	BW
Total Arsenic, mg/Kg	9.50	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Mercury, mg/Kg	<0.400	0.400	SW-7471B	12/06/2017 16:53	MOS
Total Selenium, mg/Kg	<1.00	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Molybdenum, mg/Kg	<0.50	0.50	AG TOTAL METALS	12/04/2017 17:00	BW

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Lab Number: 57409

Sample Id : F8

Date Sampled :

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
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Method Reference:

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Date Sampled :

REPORT OF ANALYSIS

Lab Number: 57410

Sample Id : F9

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
Total Copper , mg/Kg	15.5	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Zinc , mg/Kg	226	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Cadmium , mg/Kg	2.22	0.20	AG TOTAL METALS	12/04/2017 17:00	BW
Total Chromium , mg/Kg	10.9	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Nickel , mg/Kg	8.53	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Lead , mg/Kg	27.6	0.60	AG TOTAL METALS	12/04/2017 17:00	BW
Total Arsenic , mg/Kg	7.39	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Mercury , mg/Kg	<0.400	0.400	SW-7471B	12/13/2017 12:29	MOS
Total Selenium , mg/Kg	<1.00	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Molybdenum , mg/Kg	<0.50	0.50	AG TOTAL METALS	12/04/2017 17:00	BW

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REPORT OF ANALYSIS

Lab Number: 57410

Sample Id : F9

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
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Method Reference:

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Project : Cunfer/CB-4

Date Sampled :

REPORT OF ANALYSIS

Lab Number: 57411

Sample Id : F10

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
Total Copper , mg/Kg	13.1	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Zinc , mg/Kg	236	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Cadmium , mg/Kg	2.44	0.20	AG TOTAL METALS	12/04/2017 17:00	BW
Total Chromium , mg/Kg	12.7	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Nickel , mg/Kg	9.42	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Lead , mg/Kg	28.9	0.60	AG TOTAL METALS	12/04/2017 17:00	BW
Total Arsenic , mg/Kg	8.47	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Mercury , mg/Kg	<0.400	0.400	SW-7471B	12/13/2017 12:31	MOS
Total Selenium , mg/Kg	<1.00	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Molybdenum , mg/Kg	<0.50	0.50	AG TOTAL METALS	12/04/2017 17:00	BW

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Date Sampled :

Lab Number: 57411
Sample Id : F10

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
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Method Reference:

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Project : Cumer/CB-4

Date Sampled :

Lab Number: 57412
Sample Id : F11

REPORT OF ANALYSIS

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
Total Copper , mg/Kg	12.3	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Zinc , mg/Kg	191	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Cadmium , mg/Kg	1.96	0.20	AG TOTAL METALS	12/04/2017 17:00	BW
Total Chromium , mg/Kg	11.0	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Nickel , mg/Kg	8.25	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Lead , mg/Kg	41.0	0.60	AG TOTAL METALS	12/04/2017 17:00	BW
Total Arsenic , mg/Kg	7.72	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Mercury , mg/Kg	<0.400	0.400	SW-7471B	12/13/2017 12:33	MOS
Total Selenium , mg/Kg	<1.00	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Molybdenum , mg/Kg	<0.50	0.50	AG TOTAL METALS	12/04/2017 17:00	BW

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Date Sampled :

REPORT OF ANALYSIS

Lab Number: 57412

Sample Id : F11

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
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Method Reference:

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Date Sampled :

REPORT OF ANALYSIS

Lab Number: 57413

Sample Id : F12

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
Total Copper , mg/Kg	11.6	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Zinc , mg/Kg	199	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Cadmium , mg/Kg	2.03	0.20	AG TOTAL METALS	12/04/2017 17:00	BW
Total Chromium , mg/Kg	10.6	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Nickel , mg/Kg	7.53	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Lead , mg/Kg	22.9	0.60	AG TOTAL METALS	12/04/2017 17:00	BW
Total Arsenic , mg/Kg	6.88	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Mercury , mg/Kg	<0.400	0.400	SW-7471B	12/13/2017 12:36	MOS
Total Selenium , mg/Kg	<1.00	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Molybdenum , mg/Kg	<0.50	0.50	AG TOTAL METALS	12/04/2017 17:00	BW

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Date Sampled :

Lab Number: 57413

Sample Id : F12

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
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Method Reference:

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REPORT OF ANALYSIS

Lab Number: 57414
Sample Id : F13

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
Total Copper , mg/Kg	15.7	0.33	AG TOTAL METALS	12/04/2017 17:00	BW
Total Zinc , mg/Kg	215	0.66	AG TOTAL METALS	12/04/2017 17:00	BW
Total Cadmium , mg/Kg	2.17	0.13	AG TOTAL METALS	12/04/2017 17:00	BW
Total Chromium , mg/Kg	14.0	0.33	AG TOTAL METALS	12/04/2017 17:00	BW
Total Nickel , mg/Kg	9.22	0.33	AG TOTAL METALS	12/04/2017 17:00	BW
Total Lead , mg/Kg	27.2	0.40	AG TOTAL METALS	12/04/2017 17:00	BW
Total Arsenic , mg/Kg	6.56	0.66	AG TOTAL METALS	12/04/2017 17:00	BW
Total Mercury , mg/Kg	<0.400	0.400	SW-7471B	12/13/2017 12:43	MOS
Total Selenium , mg/Kg	<0.66	0.66	AG TOTAL METALS	12/04/2017 17:00	BW
Total Molybdenum , mg/Kg	<0.33	0.33	AG TOTAL METALS	12/04/2017 17:00	BW

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Date Sampled :

Lab Number: 57414
Sample Id : F13

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
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Method Reference:

USEPA, SW-846, Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods, 3rd Ed. Current Revision
USEPA, SW-846, Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods, 3rd Ed. Current Revision

Comments:

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 Account Number 52154

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Send To: Synagro Central LLC
 1605 Dudley Road

Submitted By : Kevin Smeltz
 Purchase Order :
 Report Date : 12/13/2017
 Date Received : 11/29/2017

Whiteford , MD 21160

Project : Cunfer/CB-4

REPORT OF ANALYSIS

Date Sampled :

Lab Number: 57415
 Sample Id : F14A

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
Total Copper , mg/Kg	18.0	0.33	AG TOTAL METALS	12/04/2017 17:00	BW
Total Zinc , mg/Kg	270	0.66	AG TOTAL METALS	12/04/2017 17:00	BW
Total Cadmium , mg/Kg	3.21	0.13	AG TOTAL METALS	12/04/2017 17:00	BW
Total Chromium , mg/Kg	12.9	0.33	AG TOTAL METALS	12/04/2017 17:00	BW
Total Nickel , mg/Kg	5.29	0.33	AG TOTAL METALS	12/04/2017 17:00	BW
Total Lead , mg/Kg	35.0	0.40	AG TOTAL METALS	12/04/2017 17:00	BW
Total Arsenic , mg/Kg	8.65	0.66	AG TOTAL METALS	12/04/2017 17:00	BW
Total Mercury , mg/Kg	<0.400	0.400	SW-7471B	12/13/2017 12:45	MOS
Total Selenium , mg/Kg	<0.66	0.66	AG TOTAL METALS	12/04/2017 17:00	BW
Total Molybdenum , mg/Kg	<0.33	0.33	AG TOTAL METALS	12/04/2017 17:00	BW

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Submitted By : Kevin Smeltz
Purchase Order :

Report Date : 12/13/2017

Date Received : 11/29/2017

Project : Cunfer/CB-4

Date Sampled :

REPORT OF ANALYSIS

Lab Number: 57415

Sample Id : F14A

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
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Method Reference:

USEPA, SW-846, Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods, 3rd Ed. Current Revision
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Purchase Order :

Report Date : 12/13/2017

Date Received : 11/29/2017

Project : Cunfer/CB-4

Date Sampled :

REPORT OF ANALYSIS

Lab Number: 57416

Sample Id : F14B

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
Total Copper , mg/Kg	12.4	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Zinc , mg/Kg	188	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Cadmium , mg/Kg	2.12	0.20	AG TOTAL METALS	12/04/2017 17:00	BW
Total Chromium , mg/Kg	8.82	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Nickel , mg/Kg	3.16	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Lead , mg/Kg	24.1	0.60	AG TOTAL METALS	12/04/2017 17:00	BW
Total Arsenic , mg/Kg	6.02	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Mercury , mg/Kg	<0.400	0.400	SW-7471B	12/13/2017 12:48	MOS
Total Selenium , mg/Kg	<1.00	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Molybdenum , mg/Kg	<0.50	0.50	AG TOTAL METALS	12/04/2017 17:00	BW

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Project : Cumfer/CB-4

Lab Number: 57416
Sample Id : F14B

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Date Received : 11/29/2017

Date Sampled :

REPORT OF ANALYSIS

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
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Method Reference:

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Submitted By: Kevin Smeltz
Purchase Order:

Report Date: 12/13/2017
Date Received: 11/29/2017

Project: Cunfer/CB-4

Date Sampled:

Lab Number: 57417
Sample Id: F15

REPORT OF ANALYSIS

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
Total Copper, mg/Kg	12.0	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Zinc, mg/Kg	207	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Cadmium, mg/Kg	2.32	0.20	AG TOTAL METALS	12/04/2017 17:00	BW
Total Chromium, mg/Kg	11.1	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Nickel, mg/Kg	4.24	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Lead, mg/Kg	28.4	0.60	AG TOTAL METALS	12/04/2017 17:00	BW
Total Arsenic, mg/Kg	7.72	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Mercury, mg/Kg	<0.400	0.400	SW-7471B	12/13/2017 12:50	MOS
Total Selenium, mg/Kg	<1.00	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Molybdenum, mg/Kg	<0.50	0.50	AG TOTAL METALS	12/04/2017 17:00	BW

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Purchase Order :

Report Date : 12/13/2017
Date Received : 11/29/2017

Project : Cunfer/CB-4

Date Sampled :

REPORT OF ANALYSIS

Lab Number: 57417
Sample Id : F15

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
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Method Reference:

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Submitted By : Kevin Smeltz
Purchase Order :

Report Date : 12/13/2017
Date Received : 11/29/2017

Project : Cunfer/CB-4

REPORT OF ANALYSIS

Date Sampled :

Lab Number: 57418
Sample Id : F16

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
Total Copper , mg/Kg	10.3	0.33	AG TOTAL METALS	12/04/2017 17:00	BW
Total Zinc , mg/Kg	187	0.66	AG TOTAL METALS	12/04/2017 17:00	BW
Total Cadmium , mg/Kg	1.93	0.13	AG TOTAL METALS	12/04/2017 17:00	BW
Total Chromium , mg/Kg	9.17	0.33	AG TOTAL METALS	12/04/2017 17:00	BW
Total Nickel , mg/Kg	4.86	0.33	AG TOTAL METALS	12/04/2017 17:00	BW
Total Lead , mg/Kg	21.8	0.40	AG TOTAL METALS	12/04/2017 17:00	BW
Total Arsenic , mg/Kg	5.60	0.66	AG TOTAL METALS	12/04/2017 17:00	BW
Total Mercury , mg/Kg	<0.400	0.400	SW-7471B	12/13/2017 12:52	MOS
Total Selenium , mg/Kg	<0.66	0.66	AG TOTAL METALS	12/04/2017 17:00	BW
Total Molybdenum , mg/Kg	<0.33	0.33	AG TOTAL METALS	12/04/2017 17:00	BW

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Submitted By : Kevin Smeltz
Purchase Order :
Report Date : 12/13/2017
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Project : Cunfer/CB-4

Date Sampled :

REPORT OF ANALYSIS

Lab Number: 57418
Sample Id : F16

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
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Method Reference:

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Report Date: 12/13/2017

Date Received: 11/29/2017

Project: Cunfer/CB-4

Date Sampled:

Lab Number: 57419

Sample Id: F17

REPORT OF ANALYSIS

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
Total Copper, mg/Kg	12.6	0.33	AG TOTAL METALS	12/04/2017 17:00	BW
Total Zinc, mg/Kg	156	0.66	AG TOTAL METALS	12/04/2017 17:00	BW
Total Cadmium, mg/Kg	1.79	0.13	AG TOTAL METALS	12/04/2017 17:00	BW
Total Chromium, mg/Kg	9.77	0.33	AG TOTAL METALS	12/04/2017 17:00	BW
Total Nickel, mg/Kg	4.25	0.33	AG TOTAL METALS	12/04/2017 17:00	BW
Total Lead, mg/Kg	21.8	0.40	AG TOTAL METALS	12/04/2017 17:00	BW
Total Arsenic, mg/Kg	5.98	0.66	AG TOTAL METALS	12/04/2017 17:00	BW
Total Mercury, mg/Kg	<0.400	0.400	SW-7471B	12/13/2017 12:55	MOS
Total Selenium, mg/Kg	<0.66	0.66	AG TOTAL METALS	12/04/2017 17:00	BW
Total Molybdenum, mg/Kg	<0.33	0.33	AG TOTAL METALS	12/04/2017 17:00	BW

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Report Date : 12/13/2017
Date Received : 11/29/2017

Project : Cunfer/CB-4

REPORT OF ANALYSIS

Date Sampled :

Lab Number: 57419
Sample Id : F17

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
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Method Reference:

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Submitted By : Kevin Smeltz
Purchase Order :

Report Date : 12/13/2017
Date Received : 11/29/2017

Project : Cunfer/CB-4

REPORT OF ANALYSIS

Date Sampled :

Lab Number: 57420
Sample Id : F18

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
Total Copper , mg/Kg	9.20	0.33	AG TOTAL METALS	12/04/2017 17:00	BW
Total Zinc , mg/Kg	161	0.66	AG TOTAL METALS	12/04/2017 17:00	BW
Total Cadmium , mg/Kg	1.74	0.13	AG TOTAL METALS	12/04/2017 17:00	BW
Total Chromium , mg/Kg	8.43	0.33	AG TOTAL METALS	12/04/2017 17:00	BW
Total Nickel , mg/Kg	3.74	0.33	AG TOTAL METALS	12/04/2017 17:00	BW
Total Lead , mg/Kg	18.0	0.40	AG TOTAL METALS	12/04/2017 17:00	BW
Total Arsenic , mg/Kg	5.17	0.66	AG TOTAL METALS	12/04/2017 17:00	BW
Total Mercury , mg/Kg	<0.400	0.400	SW-7471B	12/13/2017 12:57	MOS
Total Selenium , mg/Kg	<0.66	0.66	AG TOTAL METALS	12/04/2017 17:00	BW
Total Molybdenum , mg/Kg	<0.33	0.33	AG TOTAL METALS	12/04/2017 17:00	BW

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Report Number 17-333-0220
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 Report Date : 12/13/2017
 Date Received : 11/29/2017

Project : Cunfer/CB-4

REPORT OF ANALYSIS

Date Sampled :

Lab Number: 57420
 Sample Id : F18

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
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Method Reference:

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Report Date : 12/13/2017

Date Received : 11/29/2017

Project : Cunfer/CB-4

Date Sampled :

REPORT OF ANALYSIS

Lab Number: 57421

Sample Id : F19

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
Total Copper , mg/Kg	10.3	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Zinc , mg/Kg	115	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Cadmium , mg/Kg	1.25	0.20	AG TOTAL METALS	12/04/2017 17:00	BW
Total Chromium , mg/Kg	10.3	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Nickel , mg/Kg	5.70	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Lead , mg/Kg	14.7	0.60	AG TOTAL METALS	12/04/2017 17:00	BW
Total Arsenic , mg/Kg	4.71	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Mercury , mg/Kg	<0.400	0.400	SW-7471B	12/13/2017 12:59	MOS
Total Selenium , mg/Kg	<1.00	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Molybdenum , mg/Kg	<0.50	0.50	AG TOTAL METALS	12/04/2017 17:00	BW

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Submitted By : Kevin Smeltz
 Purchase Order :
 Report Date : 12/13/2017
 Date Received : 11/29/2017

Project : Cunfer/CB-4

Date Sampled :

REPORT OF ANALYSIS

Lab Number: 57421
 Sample Id : F19

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
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Method Reference:

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Submitted By : Kevin Smeltz
 Purchase Order :
 Report Date : 12/13/2017
 Date Received : 11/29/2017

Project : Cunft/CB-4

Date Sampled :

REPORT OF ANALYSIS

Lab Number: 57422
 Sample Id : F20

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
Total Copper , mg/Kg	12.5	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Zinc , mg/Kg	164	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Cadmium , mg/Kg	1.80	0.20	AG TOTAL METALS	12/04/2017 17:00	BW
Total Chromium , mg/Kg	14.1	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Nickel , mg/Kg	11.1	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Lead , mg/Kg	18.0	0.60	AG TOTAL METALS	12/04/2017 17:00	BW
Total Arsenic , mg/Kg	6.46	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Mercury , mg/Kg	<0.400	0.400	SW-7471B	12/13/2017 13:02	MOS
Total Selenium , mg/Kg	<1.00	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Molybdenum , mg/Kg	<0.50	0.50	AG TOTAL METALS	12/04/2017 17:00	BW

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Project : Cunfer/CB-4

REPORT OF ANALYSIS

Lab Number: 57422
Sample Id : F20

Submitted By : Kevin Smeltz
Purchase Order :
Report Date : 12/13/2017
Date Received : 11/29/2017
Date Sampled :

Date and Time
Test Started Analyst

Method

Quantitation
Limit

Result

Analysis

Method Reference:

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Submitted By : Kevin Smeltz
 Purchase Order :
 Report Date : 12/13/2017
 Date Received : 11/29/2017

Project : Cunfer/CB-4

Date Sampled :

REPORT OF ANALYSIS

Lab Number: 57423
 Sample Id : F21

Analysis	Result	Quantitation Limit	Method	Date and Time Test Started	Analyst
Total Copper , mg/Kg	14.0	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Zinc , mg/Kg	286	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Cadmium , mg/Kg	3.17	0.20	AG TOTAL METALS	12/04/2017 17:00	BW
Total Chromium , mg/Kg	10.8	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Nickel , mg/Kg	8.05	0.50	AG TOTAL METALS	12/04/2017 17:00	BW
Total Lead , mg/Kg	29.6	0.60	AG TOTAL METALS	12/04/2017 17:00	BW
Total Arsenic , mg/Kg	8.46	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Mercury , mg/Kg	<0.400	0.400	SW-7471B	12/13/2017 13:04	MOS
Total Selenium , mg/Kg	<1.00	1.00	AG TOTAL METALS	12/04/2017 17:00	BW
Total Molybdenum , mg/Kg	<0.50	0.50	AG TOTAL METALS	12/04/2017 17:00	BW

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Submitted By: Kevin Smeltz

Purchase Order:

Report Date: 12/13/2017

Date Received: 11/29/2017

Date Sampled:

Project: Cunter/CB-4

REPORT OF ANALYSIS

Lab Number: 57423

Sample Id: F21

Analysis

Date and Time
Test Started

Method

Quantitation
Limit

Result

Analyst

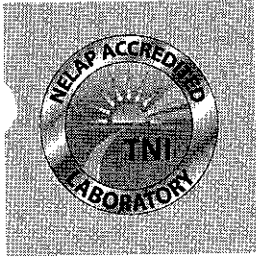
Method Reference:

USEPA, SW-846, Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods, 3rd Ed. Current Revision
USEPA, SW-846, Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods, 3rd Ed. Current Revision

Comments:

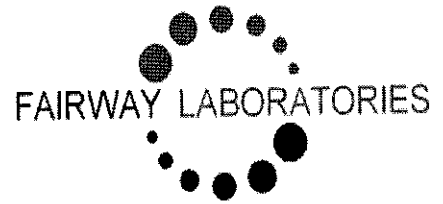
Paucic McGeary

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Waypoint Analytical
 7621 Whitepine Rd.
 Richmond VA, 23237
 Project Manager: Brandi Watson

Project: PCB's
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 38

Reported:
 12/21/17 09:24

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
57457	7L05038-01	Solid	Grab	12/04/17 00:00	12/05/17 09:30
57458	7L05038-02	Solid	Grab	12/04/17 00:00	12/05/17 09:30
57459	7L05038-03	Solid	Grab	12/04/17 00:00	12/05/17 09:30
57460	7L05038-04	Solid	Grab	12/04/17 00:00	12/05/17 09:30
57461	7L05038-05	Solid	Grab	12/04/17 00:00	12/05/17 09:30
57462	7L05038-06	Solid	Grab	12/04/17 00:00	12/05/17 09:30
57463	7L05038-07	Solid	Grab	12/04/17 00:00	12/05/17 09:30
57464	7L05038-08	Solid	Grab	12/04/17 00:00	12/05/17 09:30
57465	7L05038-09	Solid	Grab	12/04/17 00:00	12/05/17 09:30
57466	7L05038-10	Solid	Grab	12/04/17 00:00	12/05/17 09:30
57467	7L05038-11	Solid	Grab	12/04/17 00:00	12/05/17 09:30
57468	7L05038-12	Solid	Grab	12/04/17 00:00	12/05/17 09:30
57469	7L05038-13	Solid	Grab	12/04/17 00:00	12/05/17 09:30
57470	7L05038-14	Solid	Grab	12/04/17 00:00	12/05/17 09:30
57471	7L05038-15	Solid	Grab	12/04/17 00:00	12/05/17 09:30
57472	7L05038-16	Solid	Grab	12/04/17 00:00	12/05/17 09:30
57473	7L05038-17	Solid	Grab	12/04/17 00:00	12/05/17 09:30
57474	7L05038-18	Solid	Grab	12/04/17 00:00	12/05/17 09:30

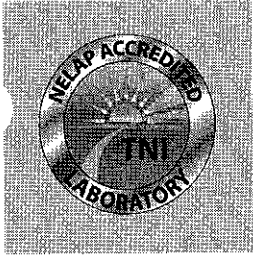
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Reviewed and Submitted by:

Michael P. Tyler
 Laboratory Director

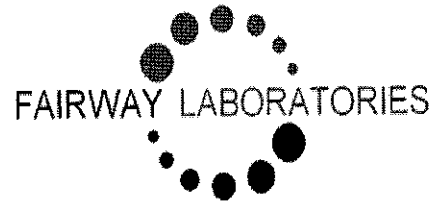
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State Certifications: MD 275, WV 364

Waypoint Analytical
 7621 Whitepine Rd.
 Richmond VA, 23237
 Project Manager: Brandi Watson

Project: PCB's
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 38

Reported:
 12/21/17 09:24

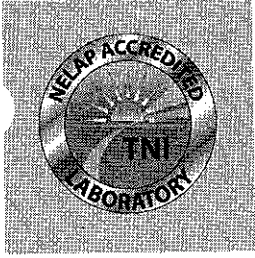
ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
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57476	7L05038-20	Solid	Grab	12/04/17 00:00	12/05/17 09:30
57477	7L05038-21	Solid	Grab	12/04/17 00:00	12/05/17 09:30
57478	7L05038-22	Solid	Grab	12/04/17 00:00	12/05/17 09:30
57479	7L05038-23	Solid	Grab	12/04/17 00:00	12/05/17 09:30
57480	7L05038-24	Solid	Grab	12/04/17 00:00	12/05/17 09:30
57481	7L05038-25	Solid	Grab	12/04/17 00:00	12/05/17 09:30
57482	7L05038-26	Solid	Grab	12/04/17 00:00	12/05/17 09:30
57483	7L05038-27	Solid	Grab	12/04/17 00:00	12/05/17 09:30
57484	7L05038-28	Solid	Grab	12/04/17 00:00	12/05/17 09:30
57485	7L05038-29	Solid	Grab	12/04/17 00:00	12/05/17 09:30
57486	7L05038-30	Solid	Grab	12/04/17 00:00	12/05/17 09:30
57487	7L05038-31	Solid	Grab	12/04/17 00:00	12/05/17 09:30
57488	7L05038-32	Solid	Grab	12/04/17 00:00	12/05/17 09:30
57489	7L05038-33	Solid	Grab	12/04/17 00:00	12/05/17 09:30
57490	7L05038-34	Solid	Grab	12/04/17 00:00	12/05/17 09:30
57491	7L05038-35	Solid	Grab	12/04/17 00:00	12/05/17 09:30
57492	7L05038-36	Solid	Grab	12/04/17 00:00	12/05/17 09:30

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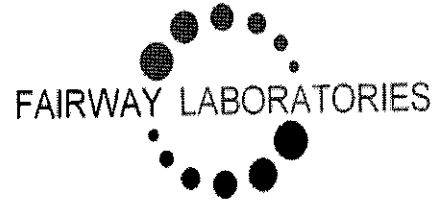
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Waypoint Analytical
 7621 Whitepine Rd.
 Richmond VA, 23237
 Project Manager: Brandi Watson

Project: PCB's
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 38

Reported:
 12/21/17 09:24

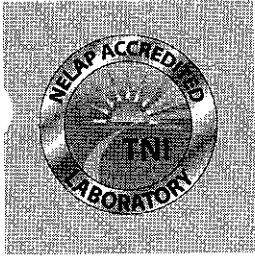
ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
57493	7L05038-37	Solid	Grab	12/04/17 00:00	12/05/17 09:30
57494	7L05038-38	Solid	Grab	12/04/17 00:00	12/05/17 09:30

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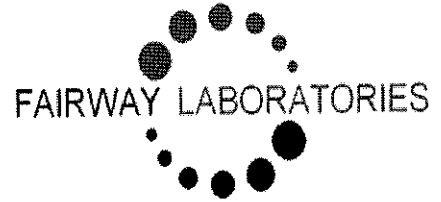
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Waypoint Analytical
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 Richmond VA, 23237
 Project Manager: Brandi Watson

Project: PCB's
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 38

Reported:
 12/21/17 09:24

Client Sample ID: 57457

Date/Time Sampled: 12/04/17 00:00

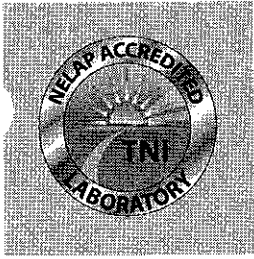
Laboratory Sample ID: 7L05038-01 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Polychlorinated Biphenyls by EPA Extraction Method 3541								
PCB-1016	<0.008		0.008	mg/kg dry	12/07/17 09:57	EPA 8082	cdb	
PCB-1221	<0.008		0.008	mg/kg dry	12/07/17 09:57	EPA 8082	cdb	
PCB-1232	<0.008		0.008	mg/kg dry	12/07/17 09:57	EPA 8082	cdb	
PCB-1242	<0.008		0.008	mg/kg dry	12/07/17 09:57	EPA 8082	cdb	
PCB-1248	<0.008		0.008	mg/kg dry	12/07/17 09:57	EPA 8082	cdb	
PCB-1254	<0.008		0.008	mg/kg dry	12/07/17 09:57	EPA 8082	cdb	
PCB-1260	<0.008		0.008	mg/kg dry	12/07/17 09:57	EPA 8082	cdb	
Surrogate: Tetrachloro-meta-xylene		128 %	11-140		12/07/17 09:57	EPA 8082	cdb	
Surrogate: Decachlorobiphenyl		127 %	24.4-140		12/07/17 09:57	EPA 8082	cdb	

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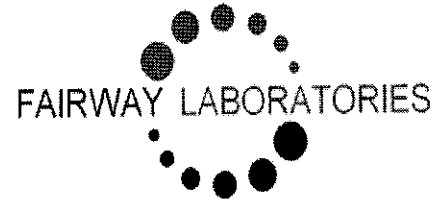
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Waypoint Analytical
 7621 Whitepine Rd.
 Richmond VA, 23237
 Project Manager: Brandi Watson

Project: PCB's
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 38

Reported:
 12/21/17 09:24

Client Sample ID: 57458

Date/Time Sampled: 12/04/17 00:00

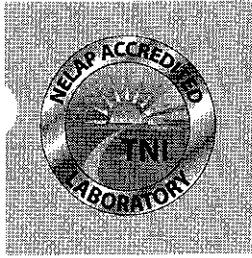
Laboratory Sample ID: 7L05038-02 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Polychlorinated Biphenyls by EPA Extraction Method 3541								
PCB-1016	<0.008		0.008	mg/kg dry	12/11/17 23:30	EPA 8082	cdb	
PCB-1221	<0.008		0.008	mg/kg dry	12/11/17 23:30	EPA 8082	cdb	
PCB-1232	<0.008		0.008	mg/kg dry	12/11/17 23:30	EPA 8082	cdb	
PCB-1242	<0.008		0.008	mg/kg dry	12/11/17 23:30	EPA 8082	cdb	
PCB-1248	<0.008		0.008	mg/kg dry	12/11/17 23:30	EPA 8082	cdb	
PCB-1254	<0.008		0.008	mg/kg dry	12/11/17 23:30	EPA 8082	cdb	
PCB-1260	<0.008		0.008	mg/kg dry	12/11/17 23:30	EPA 8082	cdb	
Surrogate: Tetrachloro-meta-xylene		68.2 %		11-140	12/11/17 23:30	EPA 8082	cdb	
Surrogate: Decachlorobiphenyl		74.1 %		24.4-140	12/11/17 23:30	EPA 8082	cdb	

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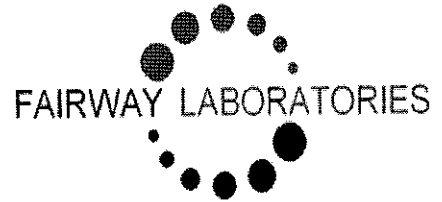
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 Richmond VA, 23237
 Project Manager: Brandi Watson

Project: PCB's
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 38

Reported:
 12/21/17 09:24

Client Sample ID: 57459

Date/Time Sampled: 12/04/17 00:00

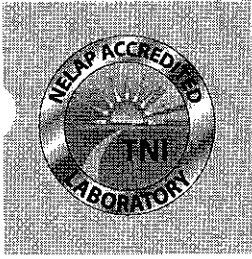
Laboratory Sample ID: 7L05038-03 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Polychlorinated Biphenyls by EPA Extraction Method 3541								
PCB-1016	<0.008		0.008	mg/kg dry	12/12/17 01:07	EPA 8082	cdb	
PCB-1221	<0.008		0.008	mg/kg dry	12/12/17 01:07	EPA 8082	cdb	
PCB-1232	<0.008		0.008	mg/kg dry	12/12/17 01:07	EPA 8082	cdb	
PCB-1242	<0.008		0.008	mg/kg dry	12/12/17 01:07	EPA 8082	cdb	
PCB-1248	<0.008		0.008	mg/kg dry	12/12/17 01:07	EPA 8082	cdb	
PCB-1254	<0.008		0.008	mg/kg dry	12/12/17 01:07	EPA 8082	cdb	
PCB-1260	<0.008		0.008	mg/kg dry	12/12/17 01:07	EPA 8082	cdb	
Surrogate: Tetrachloro-meta-xylene		54.7 %		11-140	12/12/17 01:07	EPA 8082	cdb	
Surrogate: Decachlorobiphenyl		77.9 %		24.4-140	12/12/17 01:07	EPA 8082	cdb	

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 Richmond VA, 23237

Project Manager: Brandi Watson

Project: PCB's

Project Number: [none]

Collector: CLIENT

Number of Containers: 38

Reported:

12/21/17 09:24

Client Sample ID: 57460

Date/Time Sampled: 12/04/17 00:00

Laboratory Sample ID: 7L05038-04 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
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Polychlorinated Biphenyls by EPA Extraction Method 3541

PCB-1016	<0.008		0.008	mg/kg dry	12/12/17 01:39	EPA 8082	cdb	
PCB-1221	<0.008		0.008	mg/kg dry	12/12/17 01:39	EPA 8082	cdb	
PCB-1232	<0.008		0.008	mg/kg dry	12/12/17 01:39	EPA 8082	cdb	
PCB-1242	<0.008		0.008	mg/kg dry	12/12/17 01:39	EPA 8082	cdb	
PCB-1248	<0.008		0.008	mg/kg dry	12/12/17 01:39	EPA 8082	cdb	
PCB-1254	<0.008		0.008	mg/kg dry	12/12/17 01:39	EPA 8082	cdb	
PCB-1260	<0.008		0.008	mg/kg dry	12/12/17 01:39	EPA 8082	cdb	
Surrogate: Tetrachloro-meta-xylene		44.2 %		11-140	12/12/17 01:39	EPA 8082	cdb	
Surrogate: Decachlorobiphenyl		74.6 %		24.4-140	12/12/17 01:39	EPA 8082	cdb	

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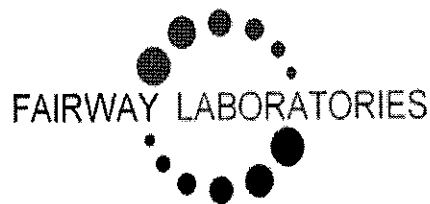
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Waypoint Analytical
 7621 Whitepine Rd.
 Richmond VA, 23237

Project Manager: Brandi Watson

Project: PCB's

Project Number: [none]

Collector: CLIENT

Number of Containers: 38

Reported:

12/21/17 09:24

Client Sample ID: 57461

Date/Time Sampled: 12/04/17 00:00

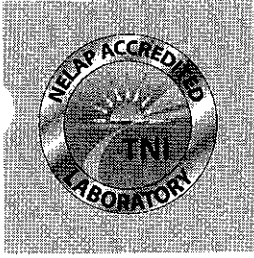
Laboratory Sample ID: 7L05038-05 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Polychlorinated Biphenyls by EPA Extraction Method 3541								
PCB-1016	<0.008		0.008	mg/kg dry	12/12/17 02:11	EPA 8082	cdb	
PCB-1221	<0.008		0.008	mg/kg dry	12/12/17 02:11	EPA 8082	cdb	
PCB-1232	<0.008		0.008	mg/kg dry	12/12/17 02:11	EPA 8082	cdb	
PCB-1242	<0.008		0.008	mg/kg dry	12/12/17 02:11	EPA 8082	cdb	
PCB-1248	<0.008		0.008	mg/kg dry	12/12/17 02:11	EPA 8082	cdb	
PCB-1254	<0.008		0.008	mg/kg dry	12/12/17 02:11	EPA 8082	cdb	
PCB-1260	0.010		0.008	mg/kg dry	12/12/17 02:11	EPA 8082	cdb	
Surrogate: Tetrachloro-meta-xylene		85.0 %		11-140	12/12/17 02:11	EPA 8082	cdb	
Surrogate: Decachlorobiphenyl		82.6 %		24.4-140	12/12/17 02:11	EPA 8082	cdb	

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Waypoint Analytical
 7621 Whitepine Rd.
 Richmond VA, 23237
 Project Manager: Brandi Watson

Project: PCB's
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 38

Reported:
 12/21/17 09:24

Client Sample ID: 57462

Date/Time Sampled: 12/04/17 00:00

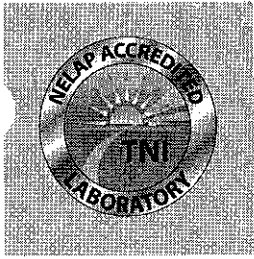
Laboratory Sample ID: 7L05038-06 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Polychlorinated Biphenyls by EPA Extraction Method 3541								
PCB-1016	<0.009		0.009	mg/kg dry	12/12/17 02:43	EPA 8082	cdb	
PCB-1221	<0.009		0.009	mg/kg dry	12/12/17 02:43	EPA 8082	cdb	
PCB-1232	<0.009		0.009	mg/kg dry	12/12/17 02:43	EPA 8082	cdb	
PCB-1242	<0.009		0.009	mg/kg dry	12/12/17 02:43	EPA 8082	cdb	
PCB-1248	<0.009		0.009	mg/kg dry	12/12/17 02:43	EPA 8082	cdb	
PCB-1254	<0.009		0.009	mg/kg dry	12/12/17 02:43	EPA 8082	cdb	
PCB-1260	<0.009		0.009	mg/kg dry	12/12/17 02:43	EPA 8082	cdb	
Surrogate: Tetrachloro-meta-xylene		79.6 %		11-140	12/12/17 02:43	EPA 8082	cdb	
Surrogate: Decachlorobiphenyl		77.4 %		24.4-140	12/12/17 02:43	EPA 8082	cdb	

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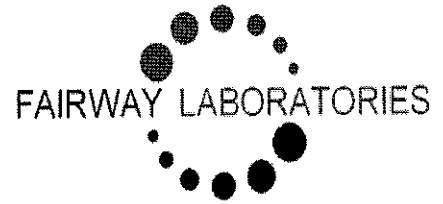
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Waypoint Analytical
 7621 Whitepine Rd.
 Richmond VA, 23237
 Project Manager: Brandi Watson

Project: PCB's
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 38

Reported:
 12/21/17 09:24

Client Sample ID: 57463

Date/Time Sampled: 12/04/17 00:00

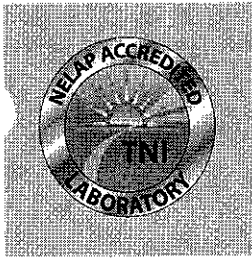
Laboratory Sample ID: 7L05038-07 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Polychlorinated Biphenyls by EPA Extraction Method 3541								
PCB-1016	<0.009		0.009	mg/kg dry	12/12/17 03:15	EPA 8082	cdb	
PCB-1221	<0.009		0.009	mg/kg dry	12/12/17 03:15	EPA 8082	cdb	
PCB-1232	<0.009		0.009	mg/kg dry	12/12/17 03:15	EPA 8082	cdb	
PCB-1242	<0.009		0.009	mg/kg dry	12/12/17 03:15	EPA 8082	cdb	
PCB-1248	<0.009		0.009	mg/kg dry	12/12/17 03:15	EPA 8082	cdb	
PCB-1254	<0.009		0.009	mg/kg dry	12/12/17 03:15	EPA 8082	cdb	
PCB-1260	0.010		0.009	mg/kg dry	12/12/17 03:15	EPA 8082	cdb	
<i>Surrogate: Tetrachloro-meta-xylene</i>		87.4 %		11-140	12/12/17 03:15	EPA 8082	cdb	
<i>Surrogate: Decachlorobiphenyl</i>		84.5 %		24.4-140	12/12/17 03:15	EPA 8082	cdb	

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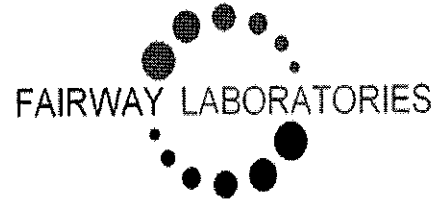
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 PaDEP: PA 41-04684



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State Certifications: MD 275, WV 364

Waypoint Analytical
 7621 Whitepine Rd.
 Richmond VA, 23237
 Project Manager: Brandi Watson

Project: PCB's
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 38

Reported:
 12/21/17 09:24

Client Sample ID: 57464

Date/Time Sampled: 12/04/17 00:00

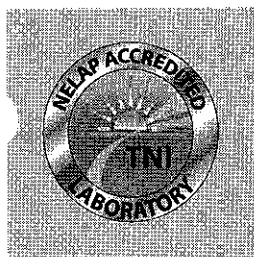
Laboratory Sample ID: 7L05038-08 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Polychlorinated Biphenyls by EPA Extraction Method 3541								
PCB-1016	<0.008		0.008	mg/kg dry	12/12/17 03:48	EPA 8082	cdb	
PCB-1221	<0.008		0.008	mg/kg dry	12/12/17 03:48	EPA 8082	cdb	
PCB-1232	<0.008		0.008	mg/kg dry	12/12/17 03:48	EPA 8082	cdb	
PCB-1242	<0.008		0.008	mg/kg dry	12/12/17 03:48	EPA 8082	cdb	
PCB-1248	<0.008		0.008	mg/kg dry	12/12/17 03:48	EPA 8082	cdb	
PCB-1254	<0.008		0.008	mg/kg dry	12/12/17 03:48	EPA 8082	cdb	
PCB-1260	0.009		0.008	mg/kg dry	12/12/17 03:48	EPA 8082	cdb	
Surrogate: Tetrachloro-meta-xylene		112 %		11-140	12/12/17 03:48	EPA 8082	cdb	
Surrogate: Decachlorobiphenyl		110 %		24.4-140	12/12/17 03:48	EPA 8082	cdb	

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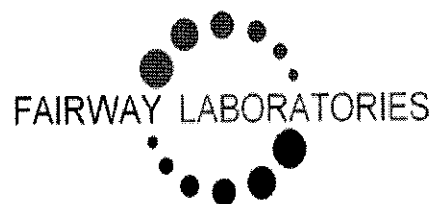
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State Certifications: MD 275, WV 364

Waypoint Analytical
 7621 Whitepine Rd.
 Richmond VA, 23237

Project Manager: Brandi Watson

Project: PCB's

Project Number: [none]

Collector: CLIENT

Number of Containers: 38

Reported:

12/21/17 09:24

Client Sample ID: 57465

Date/Time Sampled: 12/04/17 00:00

Laboratory Sample ID: 7L05038-09 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
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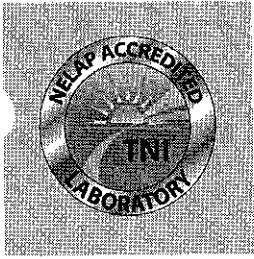
Polychlorinated Biphenyls by EPA Extraction Method 3541

PCB-1016	<0.008		0.008	mg/kg dry	12/12/17 04:20	EPA 8082	cdb	
PCB-1221	<0.008		0.008	mg/kg dry	12/12/17 04:20	EPA 8082	cdb	
PCB-1232	<0.008		0.008	mg/kg dry	12/12/17 04:20	EPA 8082	cdb	
PCB-1242	<0.008		0.008	mg/kg dry	12/12/17 04:20	EPA 8082	cdb	
PCB-1248	<0.008		0.008	mg/kg dry	12/12/17 04:20	EPA 8082	cdb	
PCB-1254	<0.008		0.008	mg/kg dry	12/12/17 04:20	EPA 8082	cdb	
PCB-1260	<0.008		0.008	mg/kg dry	12/12/17 04:20	EPA 8082	cdb	
Surrogate: Tetrachloro-meta-xylene		82.6 %		11-140	12/12/17 04:20	EPA 8082	cdb	
Surrogate: Decachlorobiphenyl		102 %		24.4-140	12/12/17 04:20	EPA 8082	cdb	

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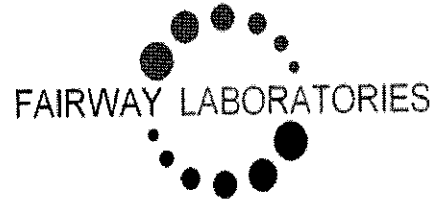
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Waypoint Analytical
 7621 Whitepine Rd.
 Richmond VA, 23237
 Project Manager: Brandi Watson

Project: PCB's
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 38

Reported:
 12/21/17 09:24

Client Sample ID: 57466

Date/Time Sampled: 12/04/17 00:00

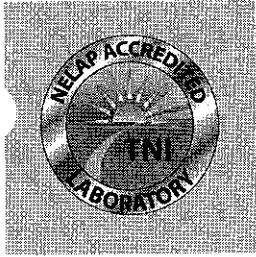
Laboratory Sample ID: 7L05038-10 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Polychlorinated Biphenyls by EPA Extraction Method 3541								
PCB-1016	<0.008		0.008	mg/kg dry	12/12/17 05:24	EPA 8082	cdb	
PCB-1221	<0.008		0.008	mg/kg dry	12/12/17 05:24	EPA 8082	cdb	
PCB-1232	<0.008		0.008	mg/kg dry	12/12/17 05:24	EPA 8082	cdb	
PCB-1242	<0.008		0.008	mg/kg dry	12/12/17 05:24	EPA 8082	cdb	
PCB-1248	<0.008		0.008	mg/kg dry	12/12/17 05:24	EPA 8082	cdb	
PCB-1254	<0.008		0.008	mg/kg dry	12/12/17 05:24	EPA 8082	cdb	
PCB-1260	<0.008		0.008	mg/kg dry	12/12/17 05:24	EPA 8082	cdb	
Surrogate: Tetrachloro-meta-xylene		103 %		11-140	12/12/17 05:24	EPA 8082	cdb	
Surrogate: Decachlorobiphenyl		102 %		24.4-140	12/12/17 05:24	EPA 8082	cdb	

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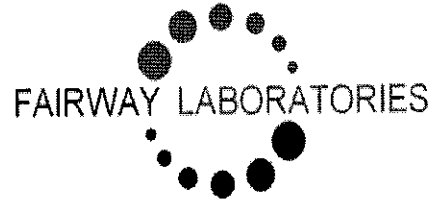
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Waypoint Analytical
 7621 Whitepine Rd.
 Richmond VA, 23237
 Project Manager: Brandi Watson

Project: PCB's
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 38

Reported:
 12/21/17 09:24

Client Sample ID: 57467

Date/Time Sampled: 12/04/17 00:00

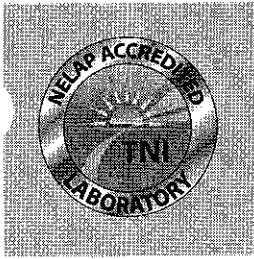
Laboratory Sample ID: 7L05038-11 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Polychlorinated Biphenyls by EPA Extraction Method 3541								
PCB-1016	<0.008		0.008	mg/kg dry	12/12/17 11:27	EPA 8082	cdb	
PCB-1221	<0.008		0.008	mg/kg dry	12/12/17 11:27	EPA 8082	cdb	
PCB-1232	<0.008		0.008	mg/kg dry	12/12/17 11:27	EPA 8082	cdb	
PCB-1242	<0.008		0.008	mg/kg dry	12/12/17 11:27	EPA 8082	cdb	
PCB-1248	<0.008		0.008	mg/kg dry	12/12/17 11:27	EPA 8082	cdb	
PCB-1254	<0.008		0.008	mg/kg dry	12/12/17 11:27	EPA 8082	cdb	
PCB-1260	<0.008		0.008	mg/kg dry	12/12/17 11:27	EPA 8082	cdb	
Surrogate: Tetrachloro-meta-xylene		87.3 %		11-140	12/12/17 11:27	EPA 8082	cdb	
Surrogate: Decachlorobiphenyl		105 %		24.4-140	12/12/17 11:27	EPA 8082	cdb	

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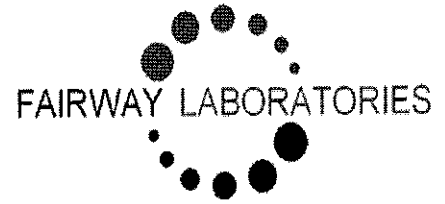
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Waypoint Analytical
 7621 Whitepine Rd.
 Richmond VA, 23237

Project Manager: Brandi Watson

Project: PCB's
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 38

Reported:
 12/21/17 09:24

Client Sample ID: 57468

Date/Time Sampled: 12/04/17 00:00

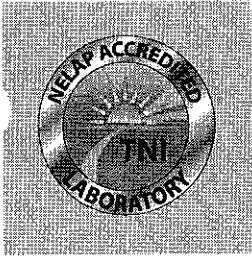
Laboratory Sample ID: 7L05038-12 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Polychlorinated Biphenyls by EPA Extraction Method 3541								
PCB-1016	<0.008		0.008	mg/kg dry	12/12/17 11:59	EPA 8082	cdb	
PCB-1221	<0.008		0.008	mg/kg dry	12/12/17 11:59	EPA 8082	cdb	
PCB-1232	<0.008		0.008	mg/kg dry	12/12/17 11:59	EPA 8082	cdb	
PCB-1242	<0.008		0.008	mg/kg dry	12/12/17 11:59	EPA 8082	cdb	
PCB-1248	<0.008		0.008	mg/kg dry	12/12/17 11:59	EPA 8082	cdb	
PCB-1254	<0.008		0.008	mg/kg dry	12/12/17 11:59	EPA 8082	cdb	
PCB-1260	<0.008		0.008	mg/kg dry	12/12/17 11:59	EPA 8082	cdb	
Surrogate: Tetrachloro-meta-xylene		107 %		11-140	12/12/17 11:59	EPA 8082	cdb	
Surrogate: Decachlorobiphenyl		104 %		24.4-140	12/12/17 11:59	EPA 8082	cdb	

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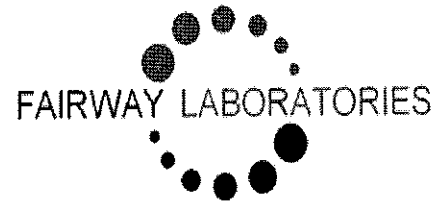
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Waypoint Analytical
 7621 Whitepine Rd.
 Richmond VA, 23237

Project Manager: Brandi Watson

Project: PCB's

Project Number: [none]

Collector: CLIENT

Number of Containers: 38

Reported:

12/21/17 09:24

Client Sample ID: 57469

Date/Time Sampled: 12/04/17 00:00

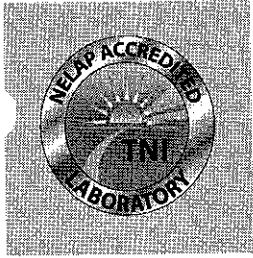
Laboratory Sample ID: 7L05038-13 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Polychlorinated Biphenyls by EPA Extraction Method 3541								
PCB-1016	<0.008		0.008	mg/kg dry	12/12/17 12:31	EPA 8082	cdb	
PCB-1221	<0.008		0.008	mg/kg dry	12/12/17 12:31	EPA 8082	cdb	
PCB-1232	<0.008		0.008	mg/kg dry	12/12/17 12:31	EPA 8082	cdb	
PCB-1242	<0.008		0.008	mg/kg dry	12/12/17 12:31	EPA 8082	cdb	
PCB-1248	<0.008		0.008	mg/kg dry	12/12/17 12:31	EPA 8082	cdb	
PCB-1254	<0.008		0.008	mg/kg dry	12/12/17 12:31	EPA 8082	cdb	
PCB-1260	<0.008		0.008	mg/kg dry	12/12/17 12:31	EPA 8082	cdb	
Surrogate: Tetrachloro-meta-xylene		106 %		11-140	12/12/17 12:31	EPA 8082	cdb	
Surrogate: Decachlorobiphenyl		100 %		24.4-140	12/12/17 12:31	EPA 8082	cdb	

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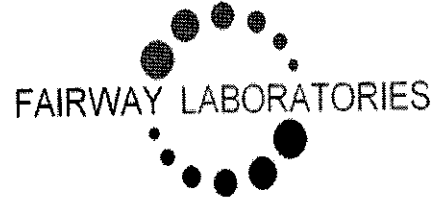
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State Certifications: MD 275, WV 364

Waypoint Analytical
 7621 Whitepine Rd.
 Richmond VA, 23237
 Project Manager: Brandi Watson

Project: PCB's
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 38

Reported:
 12/21/17 09:24

Client Sample ID: 57470

Date/Time Sampled: 12/04/17 00:00

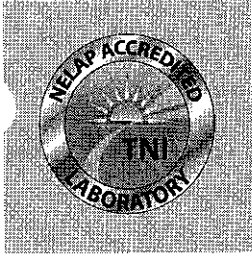
Laboratory Sample ID: 7L05038-14 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Polychlorinated Biphenyls by EPA Extraction Method 3541								
PCB-1016	<0.008		0.008	mg/kg dry	12/12/17 13:04	EPA 8082	cdb	
PCB-1221	<0.008		0.008	mg/kg dry	12/12/17 13:04	EPA 8082	cdb	
PCB-1232	<0.008		0.008	mg/kg dry	12/12/17 13:04	EPA 8082	cdb	
PCB-1242	<0.008		0.008	mg/kg dry	12/12/17 13:04	EPA 8082	cdb	
PCB-1248	<0.008		0.008	mg/kg dry	12/12/17 13:04	EPA 8082	cdb	
PCB-1254	<0.008		0.008	mg/kg dry	12/12/17 13:04	EPA 8082	cdb	
PCB-1260	<0.008		0.008	mg/kg dry	12/12/17 13:04	EPA 8082	cdb	
Surrogate: Tetrachloro-meta-xylene		103 %		11-140	12/12/17 13:04	EPA 8082	cdb	
Surrogate: Decachlorobiphenyl		93.3 %		24.4-140	12/12/17 13:04	EPA 8082	cdb	

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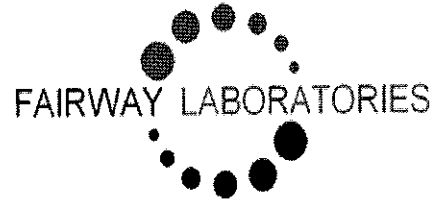
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Waypoint Analytical
 7621 Whitepine Rd.
 Richmond VA, 23237
 Project Manager: Brandi Watson

Project: PCB's
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 38

Reported:
 12/21/17 09:24

Client Sample ID: 57471

Date/Time Sampled: 12/04/17 00:00

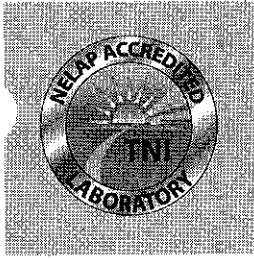
Laboratory Sample ID: 7L05038-15 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Polychlorinated Biphenyls by EPA Extraction Method 3541								
PCB-1016	<0.008		0.008	mg/kg dry	12/12/17 13:36	EPA 8082	cdb	
PCB-1221	<0.008		0.008	mg/kg dry	12/12/17 13:36	EPA 8082	cdb	
PCB-1232	<0.008		0.008	mg/kg dry	12/12/17 13:36	EPA 8082	cdb	
PCB-1242	<0.008		0.008	mg/kg dry	12/12/17 13:36	EPA 8082	cdb	
PCB-1248	<0.008		0.008	mg/kg dry	12/12/17 13:36	EPA 8082	cdb	
PCB-1254	<0.008		0.008	mg/kg dry	12/12/17 13:36	EPA 8082	cdb	
PCB-1260	<0.008		0.008	mg/kg dry	12/12/17 13:36	EPA 8082	cdb	
Surrogate: Tetrachloro-meta-xylene		108 %		11-140	12/12/17 13:36	EPA 8082	cdb	
Surrogate: Decachlorobiphenyl		108 %		24.4-140	12/12/17 13:36	EPA 8082	cdb	

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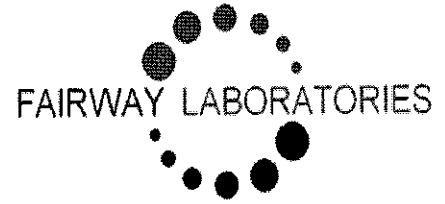
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Waypoint Analytical
 7621 Whitepine Rd.
 Richmond VA, 23237

Project Manager: Brandi Watson

Project: PCB's

Project Number: [none]

Collector: CLIENT

Number of Containers: 38

Reported:

12/21/17 09:24

Client Sample ID: 57472

Date/Time Sampled: 12/04/17 00:00

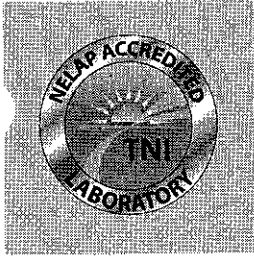
Laboratory Sample ID: 7L05038-16 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Polychlorinated Biphenyls by EPA Extraction Method 3541								
PCB-1016	<0.008	0.008		mg/kg dry	12/12/17 14:08	EPA 8082	cdb	
PCB-1221	<0.008	0.008		mg/kg dry	12/12/17 14:08	EPA 8082	cdb	
PCB-1232	<0.008	0.008		mg/kg dry	12/12/17 14:08	EPA 8082	cdb	
PCB-1242	<0.008	0.008		mg/kg dry	12/12/17 14:08	EPA 8082	cdb	
PCB-1248	<0.008	0.008		mg/kg dry	12/12/17 14:08	EPA 8082	cdb	
PCB-1254	<0.008	0.008		mg/kg dry	12/12/17 14:08	EPA 8082	cdb	
PCB-1260	<0.008	0.008		mg/kg dry	12/12/17 14:08	EPA 8082	cdb	
Surrogate: Tetrachloro-meta-xylene		108 %		11-140	12/12/17 14:08	EPA 8082	cdb	
Surrogate: Decachlorobiphenyl		102 %		24.4-140	12/12/17 14:08	EPA 8082	cdb	

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 (570) 494-6380
 PaDEP: PA 41-04684



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State Certifications: MD 275, WV 364

Waypoint Analytical
 7621 Whitepine Rd.
 Richmond VA, 23237
 Project Manager: Brandi Watson

Project: PCB's
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 38

Reported:
 12/21/17 09:24

Client Sample ID: 57473

Date/Time Sampled: 12/04/17 00:00

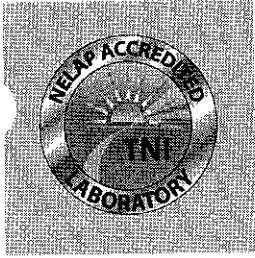
Laboratory Sample ID: 7L05038-17 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Polychlorinated Biphenyls by EPA Extraction Method 3541								
PCB-1016	<0.008		0.008	mg/kg dry	12/12/17 14:40	EPA 8082	cdb	
PCB-1221	<0.008		0.008	mg/kg dry	12/12/17 14:40	EPA 8082	cdb	
PCB-1232	<0.008		0.008	mg/kg dry	12/12/17 14:40	EPA 8082	cdb	
PCB-1242	<0.008		0.008	mg/kg dry	12/12/17 14:40	EPA 8082	cdb	
PCB-1248	<0.008		0.008	mg/kg dry	12/12/17 14:40	EPA 8082	cdb	
PCB-1254	<0.008		0.008	mg/kg dry	12/12/17 14:40	EPA 8082	cdb	
PCB-1260	0.011		0.008	mg/kg dry	12/12/17 14:40	EPA 8082	cdb	
Surrogate: Tetrachloro-meta-xylene		107 %		11-140	12/12/17 14:40	EPA 8082	cdb	
Surrogate: Decachlorobiphenyl		108 %		24.4-140	12/12/17 14:40	EPA 8082	cdb	

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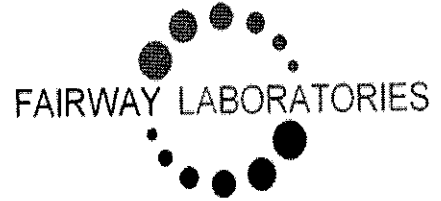
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State Certifications: MD 275, WV 364

Waypoint Analytical
 7621 Whitepine Rd.
 Richmond VA, 23237
 Project Manager: Brandi Watson

Project: PCB's
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 38

Reported:
 12/21/17 09:24

Client Sample ID: 57474

Date/Time Sampled: 12/04/17 00:00

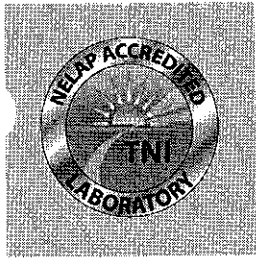
Laboratory Sample ID: 7L05038-18 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Polychlorinated Biphenyls by EPA Extraction Method 3541								
PCB-1016	<0.008		0.008	mg/kg dry	12/12/17 16:15	EPA 8082	cdb	
PCB-1221	<0.008		0.008	mg/kg dry	12/12/17 16:15	EPA 8082	cdb	
PCB-1232	<0.008		0.008	mg/kg dry	12/12/17 16:15	EPA 8082	cdb	
PCB-1242	<0.008		0.008	mg/kg dry	12/12/17 16:15	EPA 8082	cdb	
PCB-1248	<0.008		0.008	mg/kg dry	12/12/17 16:15	EPA 8082	cdb	
PCB-1254	<0.008		0.008	mg/kg dry	12/12/17 16:15	EPA 8082	cdb	
PCB-1260	0.012		0.008	mg/kg dry	12/12/17 16:15	EPA 8082	cdb	
Surrogate: Tetrachloro-meta-xylene		92.1 %		11-140	12/12/17 16:15	EPA 8082	cdb	
Surrogate: Decachlorobiphenyl		90.4 %		24.4-140	12/12/17 16:15	EPA 8082	cdb	

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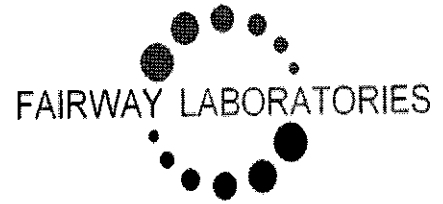
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Waypoint Analytical
 7621 Whitepine Rd.
 Richmond VA, 23237
 Project Manager: Brandi Watson

Project: PCB's
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 38

Reported:
 12/21/17 09:24

Client Sample ID: 57475

Date/Time Sampled: 12/04/17 00:00

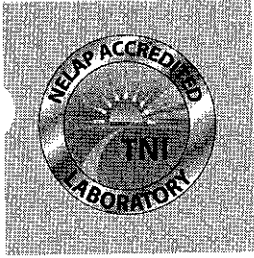
Laboratory Sample ID: 7L05038-19 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Polychlorinated Biphenyls by EPA Extraction Method 3541								
PCB-1016	<0.007		0.007	mg/kg dry	12/12/17 16:48	EPA 8082	cdb	
PCB-1221	<0.007		0.007	mg/kg dry	12/12/17 16:48	EPA 8082	cdb	
PCB-1232	<0.007		0.007	mg/kg dry	12/12/17 16:48	EPA 8082	cdb	
PCB-1242	<0.007		0.007	mg/kg dry	12/12/17 16:48	EPA 8082	cdb	
PCB-1248	<0.007		0.007	mg/kg dry	12/12/17 16:48	EPA 8082	cdb	
PCB-1254	<0.007		0.007	mg/kg dry	12/12/17 16:48	EPA 8082	cdb	
PCB-1260	0.011		0.007	mg/kg dry	12/12/17 16:48	EPA 8082	cdb	
Surrogate: Tetrachloro-meta-xylene		106 %		11-140	12/12/17 16:48	EPA 8082	cdb	
Surrogate: Decachlorobiphenyl		101 %		24.4-140	12/12/17 16:48	EPA 8082	cdb	

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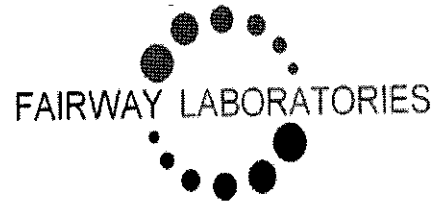
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 Richmond VA, 23237
 Project Manager: Brandi Watson

Project: PCB's
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 38

Reported:
 12/21/17 09:24

Client Sample ID: 57476

Date/Time Sampled: 12/04/17 00:00

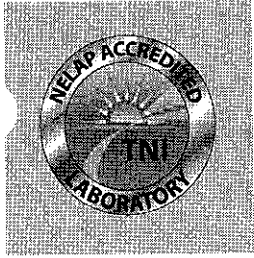
Laboratory Sample ID: 7L05038-20 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Polychlorinated Biphenyls by EPA Extraction Method 3541								
PCB-1016	<0.008		0.008	mg/kg dry	12/12/17 17:20	EPA 8082	cdb	
PCB-1221	<0.008		0.008	mg/kg dry	12/12/17 17:20	EPA 8082	cdb	
PCB-1232	<0.008		0.008	mg/kg dry	12/12/17 17:20	EPA 8082	cdb	
PCB-1242	<0.008		0.008	mg/kg dry	12/12/17 17:20	EPA 8082	cdb	
PCB-1248	<0.008		0.008	mg/kg dry	12/12/17 17:20	EPA 8082	cdb	
PCB-1254	<0.008		0.008	mg/kg dry	12/12/17 17:20	EPA 8082	cdb	
PCB-1260	<0.008		0.008	mg/kg dry	12/12/17 17:20	EPA 8082	cdb	
Surrogate: Tetrachloro-meta-xylene		108 %		11-140	12/12/17 17:20	EPA 8082	cdb	
Surrogate: Decachlorobiphenyl		98.8 %		24.4-140	12/12/17 17:20	EPA 8082	cdb	

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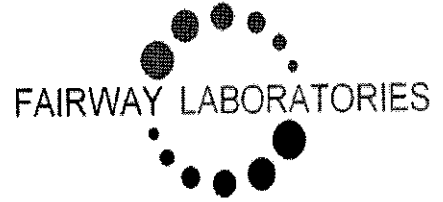
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Waypoint Analytical
 7621 Whitepine Rd.
 Richmond VA, 23237
 Project Manager: Brandi Watson

Project: PCB's
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 38

Reported:
 12/21/17 09:24

Client Sample ID: 57477

Date/Time Sampled: 12/04/17 00:00

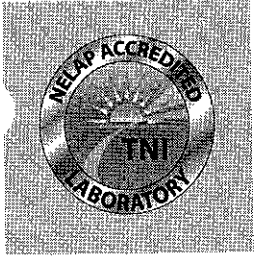
Laboratory Sample ID: 7L05038-21 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Polychlorinated Biphenyls by EPA Extraction Method 3541								
PCB-1016	<0.008		0.008	mg/kg dry	12/12/17 17:52	EPA 8082	cdb	
PCB-1221	<0.008		0.008	mg/kg dry	12/12/17 17:52	EPA 8082	cdb	
PCB-1232	<0.008		0.008	mg/kg dry	12/12/17 17:52	EPA 8082	cdb	
PCB-1242	<0.008		0.008	mg/kg dry	12/12/17 17:52	EPA 8082	cdb	
PCB-1248	<0.008		0.008	mg/kg dry	12/12/17 17:52	EPA 8082	cdb	
PCB-1254	<0.008		0.008	mg/kg dry	12/12/17 17:52	EPA 8082	cdb	
PCB-1260	0.009		0.008	mg/kg dry	12/12/17 17:52	EPA 8082	cdb	
Surrogate: Tetrachloro-meta-xylene		109 %		11-140	12/12/17 17:52	EPA 8082	cdb	
Surrogate: Decachlorobiphenyl		99.3 %		24.4-140	12/12/17 17:52	EPA 8082	cdb	

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Waypoint Analytical
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 Richmond VA, 23237
 Project Manager: Brandi Watson

Project: PCB's
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 38

Reported:
 12/21/17 09:24

Client Sample ID: 57478

Date/Time Sampled: 12/04/17 00:00

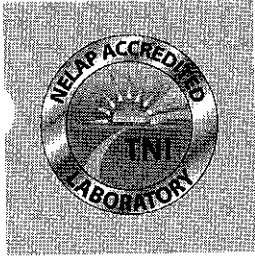
Laboratory Sample ID: 7L05038-22 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Polychlorinated Biphenyls by EPA Extraction Method 3541								
PCB-1016	<0.008		0.008	mg/kg dry	12/15/17 13:03	EPA 8082	cdb	
PCB-1221	<0.008		0.008	mg/kg dry	12/15/17 13:03	EPA 8082	cdb	
PCB-1232	<0.008		0.008	mg/kg dry	12/15/17 13:03	EPA 8082	cdb	
PCB-1242	<0.008		0.008	mg/kg dry	12/15/17 13:03	EPA 8082	cdb	
PCB-1248	<0.008		0.008	mg/kg dry	12/15/17 13:03	EPA 8082	cdb	
PCB-1254	<0.008		0.008	mg/kg dry	12/15/17 13:03	EPA 8082	cdb	
PCB-1260	<0.008		0.008	mg/kg dry	12/15/17 13:03	EPA 8082	cdb	
Surrogate: Tetrachloro-meta-xylene		101 %		11-140	12/15/17 13:03	EPA 8082	cdb	
Surrogate: Decachlorobiphenyl		92.5 %		24.4-140	12/15/17 13:03	EPA 8082	cdb	

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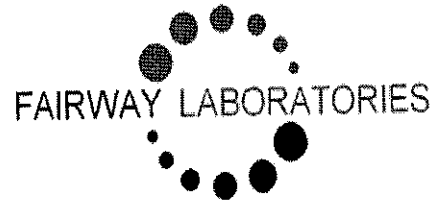
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Waypoint Analytical
 7621 Whitepine Rd.
 Richmond VA, 23237
 Project Manager: Brandi Watson

Project: PCB's
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 38

Reported:
 12/21/17 09:24

Client Sample ID: 57479

Date/Time Sampled: 12/04/17 00:00

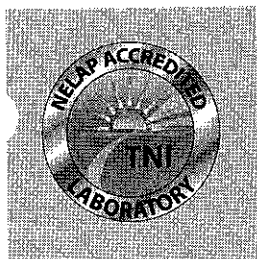
Laboratory Sample ID: 7L05038-23 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Polychlorinated Biphenyls by EPA Extraction Method 3541								
PCB-1016	<0.008		0.008	mg/kg dry	12/15/17 14:39	EPA 8082	cdb	
PCB-1221	<0.008		0.008	mg/kg dry	12/15/17 14:39	EPA 8082	cdb	
PCB-1232	<0.008		0.008	mg/kg dry	12/15/17 14:39	EPA 8082	cdb	
PCB-1242	<0.008		0.008	mg/kg dry	12/15/17 14:39	EPA 8082	cdb	
PCB-1248	<0.008		0.008	mg/kg dry	12/15/17 14:39	EPA 8082	cdb	
PCB-1254	<0.008		0.008	mg/kg dry	12/15/17 14:39	EPA 8082	cdb	
PCB-1260	<0.008		0.008	mg/kg dry	12/15/17 14:39	EPA 8082	cdb	
Surrogate: Tetrachloro-meta-xylene		91.7 %		11-140	12/15/17 14:39	EPA 8082	cdb	
Surrogate: Decachlorobiphenyl		89.0 %		24.4-140	12/15/17 14:39	EPA 8082	cdb	

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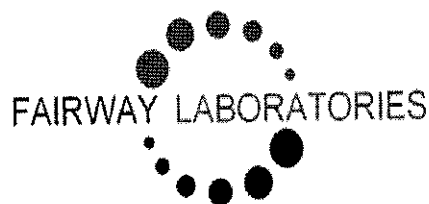
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Waypoint Analytical
 7621 Whitepine Rd.
 Richmond VA, 23237

Project Manager: Brandi Watson

Project: PCB's

Project Number: [none]

Collector: CLIENT

Number of Containers: 38

Reported:

12/21/17 09:24

Client Sample ID: 57480

Date/Time Sampled: 12/04/17 00:00

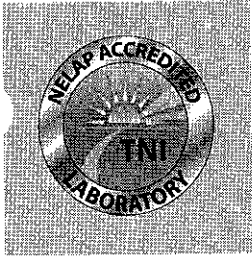
Laboratory Sample ID: 7L05038-24 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Polychlorinated Biphenyls by EPA Extraction Method 3541								
PCB-1016	<0.008		0.008	mg/kg dry	12/15/17 15:11	EPA 8082	cdb	
PCB-1221	<0.008		0.008	mg/kg dry	12/15/17 15:11	EPA 8082	cdb	
PCB-1232	<0.008		0.008	mg/kg dry	12/15/17 15:11	EPA 8082	cdb	
PCB-1242	<0.008		0.008	mg/kg dry	12/15/17 15:11	EPA 8082	cdb	
PCB-1248	<0.008		0.008	mg/kg dry	12/15/17 15:11	EPA 8082	cdb	
PCB-1254	<0.008		0.008	mg/kg dry	12/15/17 15:11	EPA 8082	cdb	
PCB-1260	<0.008		0.008	mg/kg dry	12/15/17 15:11	EPA 8082	cdb	
Surrogate: Tetrachloro-meta-xylene		94.0 %		11-140	12/15/17 15:11	EPA 8082	cdb	
Surrogate: Decachlorobiphenyl		91.2 %		24.4-140	12/15/17 15:11	EPA 8082	cdb	

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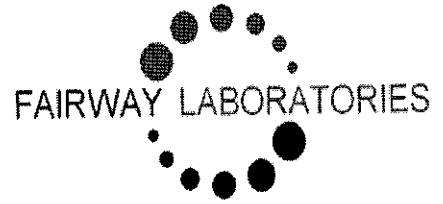
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Waypoint Analytical
 7621 Whitepine Rd.
 Richmond VA, 23237
 Project Manager: Brandi Watson

Project: PCB's
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 38

Reported:
 12/21/17 09:24

Client Sample ID: 57481

Date/Time Sampled: 12/04/17 00:00

Laboratory Sample ID: 7L05038-25 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Polychlorinated Biphenyls by EPA Extraction Method 3541								
PCB-1016	<0.008		0.008	mg/kg dry	12/15/17 15:43	EPA 8082	cdb	
PCB-1221	<0.008		0.008	mg/kg dry	12/15/17 15:43	EPA 8082	cdb	
PCB-1232	<0.008		0.008	mg/kg dry	12/15/17 15:43	EPA 8082	cdb	
PCB-1242	<0.008		0.008	mg/kg dry	12/15/17 15:43	EPA 8082	cdb	
PCB-1248	<0.008		0.008	mg/kg dry	12/15/17 15:43	EPA 8082	cdb	
PCB-1254	<0.008		0.008	mg/kg dry	12/15/17 15:43	EPA 8082	cdb	
PCB-1260	<0.008		0.008	mg/kg dry	12/15/17 15:43	EPA 8082	cdb	
Surrogate: Tetrachloro-meta-xylene		97.6 %		11-140	12/15/17 15:43	EPA 8082	cdb	
Surrogate: Decachlorobiphenyl		97.4 %		24.4-140	12/15/17 15:43	EPA 8082	cdb	

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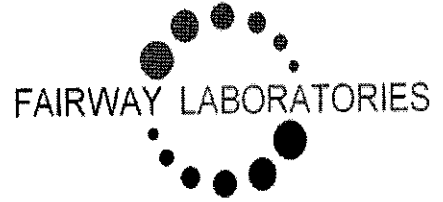
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Waypoint Analytical
 7621 Whitepine Rd.
 Richmond VA, 23237
 Project Manager: Brandi Watson

Project: PCB's
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 38

Reported:
 12/21/17 09:24

Client Sample ID: 57482

Date/Time Sampled: 12/04/17 00:00

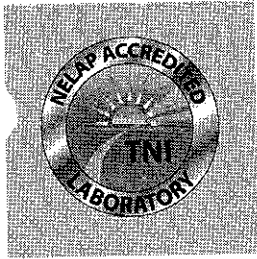
Laboratory Sample ID: 7L05038-26 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Polychlorinated Biphenyls by EPA Extraction Method 3541								
PCB-1016	<0.008		0.008	mg/kg dry	12/15/17 16:15	EPA 8082	cdb	
PCB-1221	<0.008		0.008	mg/kg dry	12/15/17 16:15	EPA 8082	cdb	
PCB-1232	<0.008		0.008	mg/kg dry	12/15/17 16:15	EPA 8082	cdb	
PCB-1242	<0.008		0.008	mg/kg dry	12/15/17 16:15	EPA 8082	cdb	
PCB-1248	<0.008		0.008	mg/kg dry	12/15/17 16:15	EPA 8082	cdb	
PCB-1254	<0.008		0.008	mg/kg dry	12/15/17 16:15	EPA 8082	cdb	
PCB-1260	<0.008		0.008	mg/kg dry	12/15/17 16:15	EPA 8082	cdb	
Surrogate: Tetrachloro-meta-xylene		95.9 %		11-140	12/15/17 16:15	EPA 8082	cdb	
Surrogate: Decachlorobiphenyl		101 %		24.4-140	12/15/17 16:15	EPA 8082	cdb	

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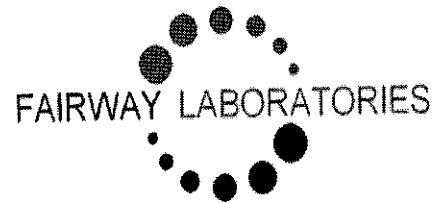
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 PaDEP: PA 41-04684



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State Certifications: MD 275, WV 364

Waypoint Analytical
 7621 Whitepine Rd.
 Richmond VA, 23237
 Project Manager: Brandi Watson

Project: PCB's
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 38

Reported:
 12/21/17 09:24

Client Sample ID: 57483

Date/Time Sampled: 12/04/17 00:00

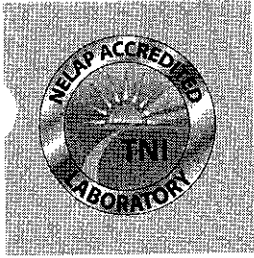
Laboratory Sample ID: 7L05038-27 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Polychlorinated Biphenyls by EPA Extraction Method 3541								
PCB-1016	<0.008		0.008	mg/kg dry	12/15/17 16:47	EPA 8082	cdb	
PCB-1221	<0.008		0.008	mg/kg dry	12/15/17 16:47	EPA 8082	cdb	
PCB-1232	<0.008		0.008	mg/kg dry	12/15/17 16:47	EPA 8082	cdb	
PCB-1242	<0.008		0.008	mg/kg dry	12/15/17 16:47	EPA 8082	cdb	
PCB-1248	<0.008		0.008	mg/kg dry	12/15/17 16:47	EPA 8082	cdb	
PCB-1254	<0.008		0.008	mg/kg dry	12/15/17 16:47	EPA 8082	cdb	
PCB-1260	<0.008		0.008	mg/kg dry	12/15/17 16:47	EPA 8082	cdb	
Surrogate: Tetrachloro-meta-xylene		105 %	11-140		12/15/17 16:47	EPA 8082	cdb	
Surrogate: Decachlorobiphenyl		99.6 %	24.4-140		12/15/17 16:47	EPA 8082	cdb	

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State Certifications: MD 275, WV 364

Waypoint Analytical
 7621 Whitepine Rd.
 Richmond VA, 23237
 Project Manager: Brandi Watson

Project: PCB's
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 38

Reported:
 12/21/17 09:24

Client Sample ID: 57484

Date/Time Sampled: 12/04/17 00:00

Laboratory Sample ID: 7L05038-28 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Polychlorinated Biphenyls by EPA Extraction Method 3541								
PCB-1016	<0.008		0.008	mg/kg dry	12/15/17 17:19	EPA 8082	cdb	
PCB-1221	<0.008		0.008	mg/kg dry	12/15/17 17:19	EPA 8082	cdb	
PCB-1232	<0.008		0.008	mg/kg dry	12/15/17 17:19	EPA 8082	cdb	
PCB-1242	<0.008		0.008	mg/kg dry	12/15/17 17:19	EPA 8082	cdb	
PCB-1248	<0.008		0.008	mg/kg dry	12/15/17 17:19	EPA 8082	cdb	
PCB-1254	<0.008		0.008	mg/kg dry	12/15/17 17:19	EPA 8082	cdb	
PCB-1260	<0.008		0.008	mg/kg dry	12/15/17 17:19	EPA 8082	cdb	
Surrogate: Tetrachloro-meta-xylene		92.1 %		11-140	12/15/17 17:19	EPA 8082	cdb	
Surrogate: Decachlorobiphenyl		86.1 %		24.4-140	12/15/17 17:19	EPA 8082	cdb	

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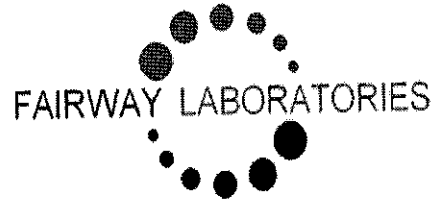
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Waypoint Analytical
 7621 Whitepine Rd.
 Richmond VA, 23237
 Project Manager: Brandi Watson

Project: PCB's
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 38

Reported:
 12/21/17 09:24

Client Sample ID: 57485

Date/Time Sampled: 12/04/17 00:00

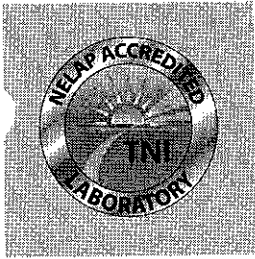
Laboratory Sample ID: 7L05038-29 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Polychlorinated Biphenyls by EPA Extraction Method 3541								
PCB-1016	<0.008		0.008	mg/kg dry	12/15/17 17:51	EPA 8082	cdb	
PCB-1221	<0.008		0.008	mg/kg dry	12/15/17 17:51	EPA 8082	cdb	
PCB-1232	<0.008		0.008	mg/kg dry	12/15/17 17:51	EPA 8082	cdb	
PCB-1242	<0.008		0.008	mg/kg dry	12/15/17 17:51	EPA 8082	cdb	
PCB-1248	<0.008		0.008	mg/kg dry	12/15/17 17:51	EPA 8082	cdb	
PCB-1254	<0.008		0.008	mg/kg dry	12/15/17 17:51	EPA 8082	cdb	
PCB-1260	<0.008		0.008	mg/kg dry	12/15/17 17:51	EPA 8082	cdb	
Surrogate: Tetrachloro-meta-xylene		96.8 %		11-140	12/15/17 17:51	EPA 8082	cdb	
Surrogate: Decachlorobiphenyl		90.8 %		24.4-140	12/15/17 17:51	EPA 8082	cdb	

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 Richmond VA, 23237
 Project Manager: Brandi Watson

Project: PCB's
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 38

Reported:
 12/21/17 09:24

Client Sample ID: 57486

Date/Time Sampled: 12/04/17 00:00

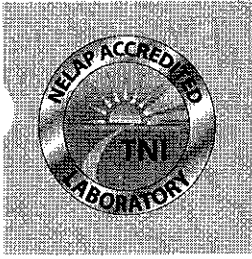
Laboratory Sample ID: 7L05038-30 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Polychlorinated Biphenyls by EPA Extraction Method 3541								
PCB-1016	<0.008		0.008	mg/kg dry	12/15/17 18:23	EPA 8082	cdb	
PCB-1221	<0.008		0.008	mg/kg dry	12/15/17 18:23	EPA 8082	cdb	
PCB-1232	<0.008		0.008	mg/kg dry	12/15/17 18:23	EPA 8082	cdb	
PCB-1242	<0.008		0.008	mg/kg dry	12/15/17 18:23	EPA 8082	cdb	
PCB-1248	<0.008		0.008	mg/kg dry	12/15/17 18:23	EPA 8082	cdb	
PCB-1254	<0.008		0.008	mg/kg dry	12/15/17 18:23	EPA 8082	cdb	
PCB-1260	0.010		0.008	mg/kg dry	12/15/17 18:23	EPA 8082	cdb	
Surrogate: Tetrachloro-meta-xylene		103 %	11-140		12/15/17 18:23	EPA 8082	cdb	
Surrogate: Decachlorobiphenyl		98.6 %	24.4-140		12/15/17 18:23	EPA 8082	cdb	

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Waypoint Analytical
 7621 Whitepine Rd.
 Richmond VA, 23237
 Project Manager: Brandi Watson

Project: PCB's
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 38

Reported:
 12/21/17 09:24

Client Sample ID: 57487

Date/Time Sampled: 12/04/17 00:00

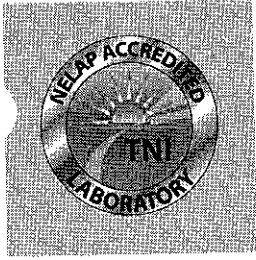
Laboratory Sample ID: 7L05038-31 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Polychlorinated Biphenyls by EPA Extraction Method 3541								
PCB-1016	<0.008		0.008	mg/kg dry	12/15/17 18:55	EPA 8082	cdb	
PCB-1221	<0.008		0.008	mg/kg dry	12/15/17 18:55	EPA 8082	cdb	
PCB-1232	<0.008		0.008	mg/kg dry	12/15/17 18:55	EPA 8082	cdb	
PCB-1242	<0.008		0.008	mg/kg dry	12/15/17 18:55	EPA 8082	cdb	
PCB-1248	<0.008		0.008	mg/kg dry	12/15/17 18:55	EPA 8082	cdb	
PCB-1254	<0.008		0.008	mg/kg dry	12/15/17 18:55	EPA 8082	cdb	
PCB-1260	0.011		0.008	mg/kg dry	12/15/17 18:55	EPA 8082	cdb	
Surrogate: Tetrachloro-meta-xylene		110 %	11-140		12/15/17 18:55	EPA 8082	cdb	
Surrogate: Decachlorobiphenyl		107 %	24.4-140		12/15/17 18:55	EPA 8082	cdb	

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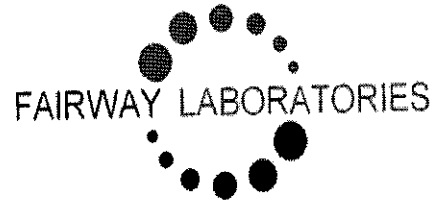
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Waypoint Analytical
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 Richmond VA, 23237
 Project Manager: Brandi Watson

Project: PCB's
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 38

Reported:
 12/21/17 09:24

Client Sample ID: 57488

Date/Time Sampled: 12/04/17 00:00

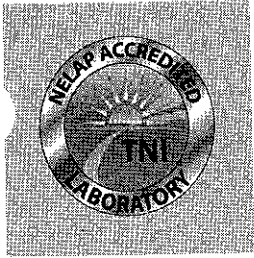
Laboratory Sample ID: 7L05038-32 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Polychlorinated Biphenyls by EPA Extraction Method 3541								
PCB-1016	<0.008		0.008	mg/kg dry	12/15/17 19:27	EPA 8082	cdb	
PCB-1221	<0.008		0.008	mg/kg dry	12/15/17 19:27	EPA 8082	cdb	
PCB-1232	<0.008		0.008	mg/kg dry	12/15/17 19:27	EPA 8082	cdb	
PCB-1242	<0.008		0.008	mg/kg dry	12/15/17 19:27	EPA 8082	cdb	
PCB-1248	<0.008		0.008	mg/kg dry	12/15/17 19:27	EPA 8082	cdb	
PCB-1254	<0.008		0.008	mg/kg dry	12/15/17 19:27	EPA 8082	cdb	
PCB-1260	0.009		0.008	mg/kg dry	12/15/17 19:27	EPA 8082	cdb	
Surrogate: Tetrachloro-meta-xylene		112 %		11-140	12/15/17 19:27	EPA 8082	cdb	
Surrogate: Decachlorobiphenyl		106 %		24.4-140	12/15/17 19:27	EPA 8082	cdb	

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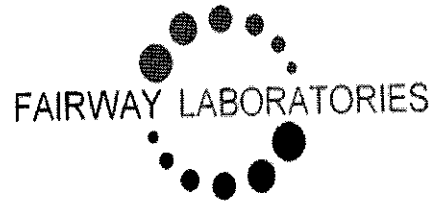
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Waypoint Analytical
 7621 Whitepine Rd.
 Richmond VA, 23237
 Project Manager: Brandi Watson

Project: PCB's
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 38

Reported:
 12/21/17 09:24

Client Sample ID: 57489

Date/Time Sampled: 12/04/17 00:00

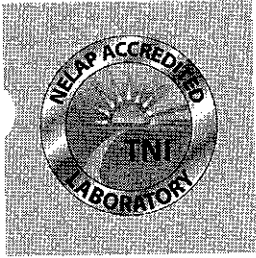
Laboratory Sample ID: 7L05038-33 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Polychlorinated Biphenyls by EPA Extraction Method 3541								
PCB-1016	<0.009		0.009	mg/kg dry	12/15/17 19:59	EPA 8082	cdb	
PCB-1221	<0.009		0.009	mg/kg dry	12/15/17 19:59	EPA 8082	cdb	
PCB-1232	<0.009		0.009	mg/kg dry	12/15/17 19:59	EPA 8082	cdb	
PCB-1242	<0.009		0.009	mg/kg dry	12/15/17 19:59	EPA 8082	cdb	
PCB-1248	<0.009		0.009	mg/kg dry	12/15/17 19:59	EPA 8082	cdb	
PCB-1254	<0.009		0.009	mg/kg dry	12/15/17 19:59	EPA 8082	cdb	
PCB-1260	0.009		0.009	mg/kg dry	12/15/17 19:59	EPA 8082	cdb	
Surrogate: Tetrachloro-meta-xylene		105 %		11-140	12/15/17 19:59	EPA 8082	cdb	
Surrogate: Decachlorobiphenyl		100 %		24.4-140	12/15/17 19:59	EPA 8082	cdb	

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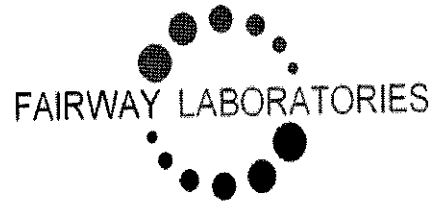
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Waypoint Analytical
 7621 Whitepine Rd.
 Richmond VA, 23237
 Project Manager: Brandi Watson

Project: PCB's
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 38

Reported:
 12/21/17 09:24

Client Sample ID: 57490

Date/Time Sampled: 12/04/17 00:00

Laboratory Sample ID: 7L05038-34 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Polychlorinated Biphenyls by EPA Extraction Method 3541								
PCB-1016	<0.008		0.008	mg/kg dry	12/15/17 20:31	EPA 8082	cdb	
PCB-1221	<0.008		0.008	mg/kg dry	12/15/17 20:31	EPA 8082	cdb	
PCB-1232	<0.008		0.008	mg/kg dry	12/15/17 20:31	EPA 8082	cdb	
PCB-1242	<0.008		0.008	mg/kg dry	12/15/17 20:31	EPA 8082	cdb	
PCB-1248	<0.008		0.008	mg/kg dry	12/15/17 20:31	EPA 8082	cdb	
PCB-1254	<0.008		0.008	mg/kg dry	12/15/17 20:31	EPA 8082	cdb	
PCB-1260	<0.008		0.008	mg/kg dry	12/15/17 20:31	EPA 8082	cdb	
Surrogate: Tetrachloro-meta-xylene		106 %		11-140	12/15/17 20:31	EPA 8082	cdb	
Surrogate: Decachlorobiphenyl		103 %		24.4-140	12/15/17 20:31	EPA 8082	cdb	

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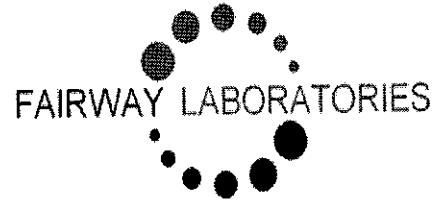
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Waypoint Analytical
 7621 Whitepine Rd.
 Richmond VA, 23237
 Project Manager: Brandi Watson

Project: PCB's
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 38

Reported:
 12/21/17 09:24

Client Sample ID: 57491

Date/Time Sampled: 12/04/17 00:00

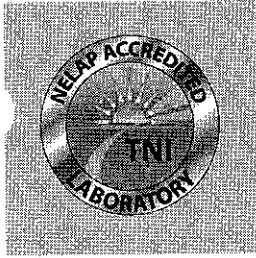
Laboratory Sample ID: 7L05038-35 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Polychlorinated Biphenyls by EPA Extraction Method 3541								
PCB-1016	<0.008		0.008	mg/kg dry	12/15/17 21:03	EPA 8082	cdb	
PCB-1221	<0.008		0.008	mg/kg dry	12/15/17 21:03	EPA 8082	cdb	
PCB-1232	<0.008		0.008	mg/kg dry	12/15/17 21:03	EPA 8082	cdb	
PCB-1242	<0.008		0.008	mg/kg dry	12/15/17 21:03	EPA 8082	cdb	
PCB-1248	<0.008		0.008	mg/kg dry	12/15/17 21:03	EPA 8082	cdb	
PCB-1254	<0.008		0.008	mg/kg dry	12/15/17 21:03	EPA 8082	cdb	
PCB-1260	<0.008		0.008	mg/kg dry	12/15/17 21:03	EPA 8082	cdb	
Surrogate: Tetrachloro-meta-xylene		114 %		11-140	12/15/17 21:03	EPA 8082	cdb	
Surrogate: Decachlorobiphenyl		111 %		24.4-140	12/15/17 21:03	EPA 8082	cdb	

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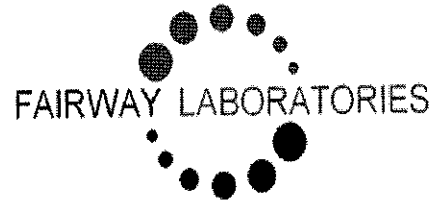
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2019 Ninth Avenue
 PO Box 1925
 Altoona, PA 16603
 (814) 946-4306
 NELAP: PA 07-062, VA 460212

89 Kristi Road
 Pennsdale, PA 17756
 (570) 494-6380
 PaDEP: PA 41-04684



www.fairwaylaboratories.com

State Certifications: MD 275, WV 364

Waypoint Analytical
 7621 Whitepine Rd.
 Richmond VA, 23237
 Project Manager: Brandi Watson

Project: PCB's
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 38

Reported:
 12/21/17 09:24

Client Sample ID: 57492

Date/Time Sampled: 12/04/17 00:00

Laboratory Sample ID: 7L05038-36 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Polychlorinated Biphenyls by EPA Extraction Method 3541								
PCB-1016	<0.008		0.008	mg/kg dry	12/15/17 21:35	EPA 8082	cdb	
PCB-1221	<0.008		0.008	mg/kg dry	12/15/17 21:35	EPA 8082	cdb	
PCB-1232	<0.008		0.008	mg/kg dry	12/15/17 21:35	EPA 8082	cdb	
PCB-1242	<0.008		0.008	mg/kg dry	12/15/17 21:35	EPA 8082	cdb	
PCB-1248	<0.008		0.008	mg/kg dry	12/15/17 21:35	EPA 8082	cdb	
PCB-1254	<0.008		0.008	mg/kg dry	12/15/17 21:35	EPA 8082	cdb	
PCB-1260	<0.008		0.008	mg/kg dry	12/15/17 21:35	EPA 8082	cdb	
Surrogate: Tetrachloro-meta-xylene		116 %		11-140	12/15/17 21:35	EPA 8082	cdb	
Surrogate: Decachlorobiphenyl		114 %		24.4-140	12/15/17 21:35	EPA 8082	cdb	

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 Richmond VA, 23237
 Project Manager: Brandi Watson

Project: PCB's
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 38

Reported:
 12/21/17 09:24

Client Sample ID: 57493

Date/Time Sampled: 12/04/17 00:00

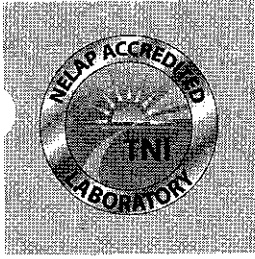
Laboratory Sample ID: 7L05038-37 (Solid/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Polychlorinated Biphenyls by EPA Extraction Method 3541								
PCB-1016	<0.008		0.008	mg/kg dry	12/15/17 22:39	EPA 8082	cdb	D
PCB-1221	<0.008		0.008	mg/kg dry	12/15/17 22:39	EPA 8082	cdb	
PCB-1232	<0.008		0.008	mg/kg dry	12/15/17 22:39	EPA 8082	cdb	
PCB-1242	<0.008		0.008	mg/kg dry	12/15/17 22:39	EPA 8082	cdb	
PCB-1248	<0.008		0.008	mg/kg dry	12/15/17 22:39	EPA 8082	cdb	
PCB-1254	<0.008		0.008	mg/kg dry	12/15/17 22:39	EPA 8082	cdb	
PCB-1260	<0.008		0.008	mg/kg dry	12/15/17 22:39	EPA 8082	cdb	D
Surrogate: Tetrachloro-meta-xylene		105 %		11-140	12/15/17 22:39	EPA 8082	cdb	
Surrogate: Decachlorobiphenyl		105 %		24.4-140	12/15/17 22:39	EPA 8082	cdb	

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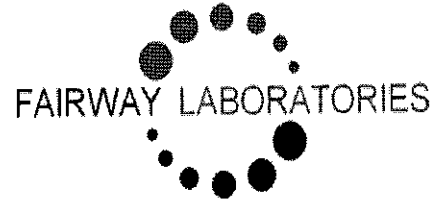
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Waypoint Analytical
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 Richmond VA, 23237
 Project Manager: Brandi Watson

Project: PCB's
 Project Number: [none]
 Collector: CLIENT
 Number of Containers: 38

Reported:
 12/21/17 09:24

Client Sample ID: 57494

Date/Time Sampled: 12/04/17 00:00

Laboratory Sample ID: 7L05038-38 (Solid/Grab)

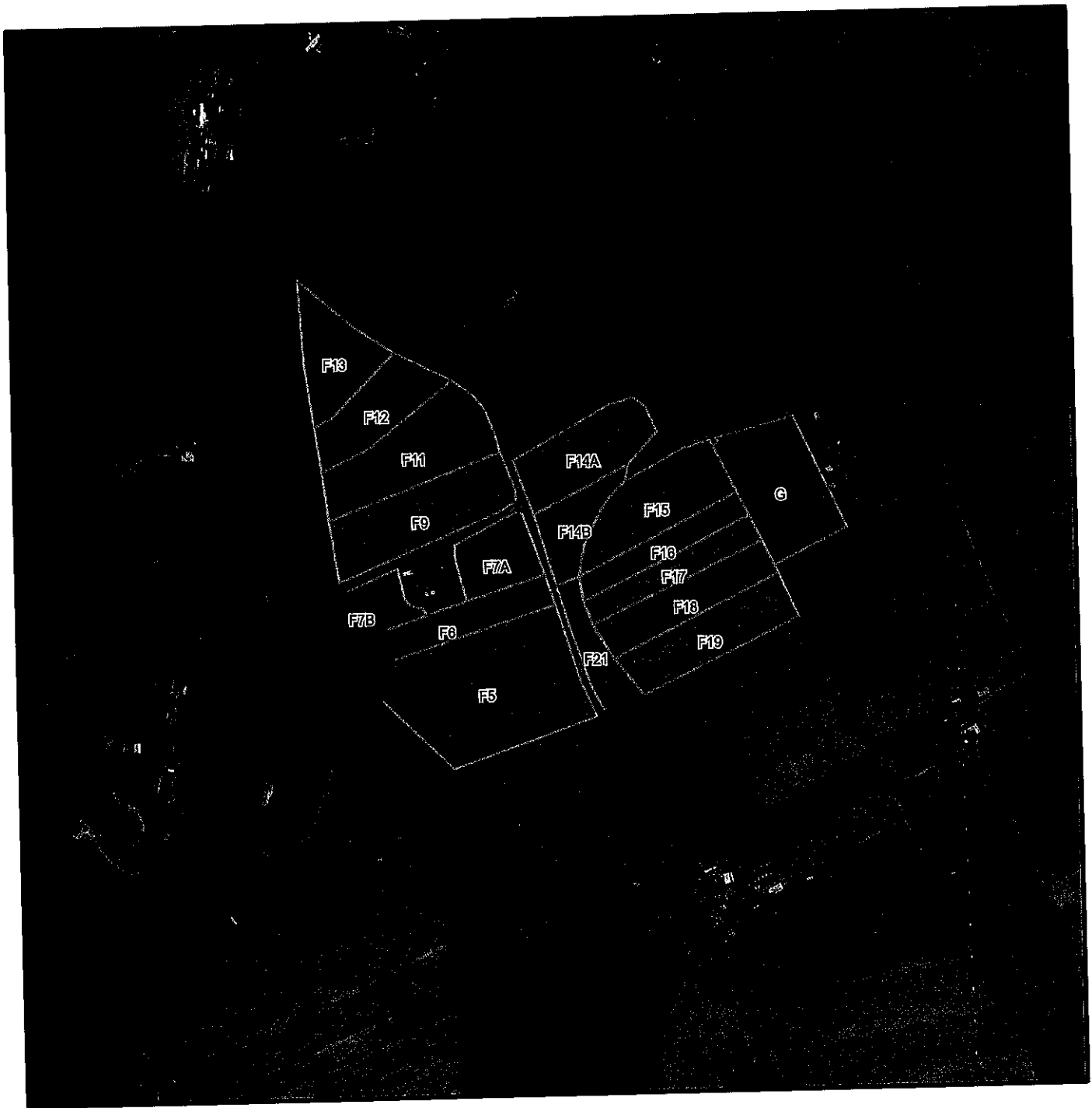
Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Analytical Method	* Analyst	Note
Polychlorinated Biphenyls by EPA Extraction Method 3541								
PCB-1016	<0.008		0.008	mg/kg dry	12/15/17 23:11	EPA 8082	cdb	D
PCB-1221	<0.008		0.008	mg/kg dry	12/15/17 23:11	EPA 8082	cdb	
PCB-1232	<0.008		0.008	mg/kg dry	12/15/17 23:11	EPA 8082	cdb	
PCB-1242	<0.008		0.008	mg/kg dry	12/15/17 23:11	EPA 8082	cdb	
PCB-1248	<0.008		0.008	mg/kg dry	12/15/17 23:11	EPA 8082	cdb	
PCB-1254	<0.008		0.008	mg/kg dry	12/15/17 23:11	EPA 8082	cdb	
PCB-1260	<0.008		0.008	mg/kg dry	12/15/17 23:11	EPA 8082	cdb	D
Surrogate: Tetrachloro-meta-xylene		115 %		11-140	12/15/17 23:11	EPA 8082	cdb	
Surrogate: Decachlorobiphenyl		111 %		24.4-140	12/15/17 23:11	EPA 8082	cdb	

Fairway Laboratories, Inc.

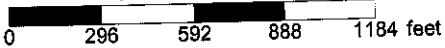
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Cunfer West



* 592.0 feet per inch



Legend

field / CMU

farm boundary

homestead

forest

water

stream

sinkhole area

sinkhole

manure stacking

vegetative buffer

100' manure setback

150' manure setback

AHUA

well

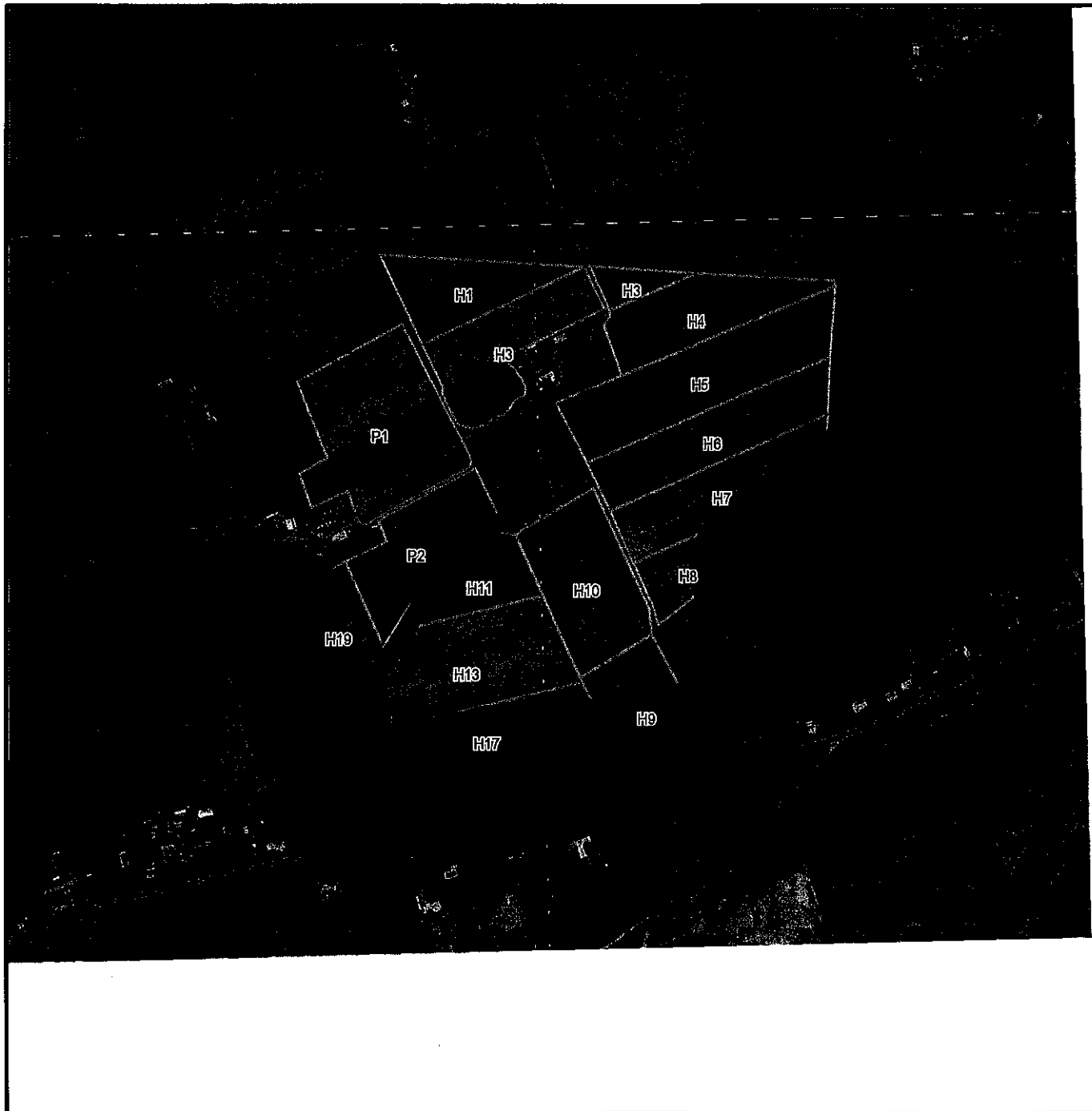
road



Field Acreages

Field	Label	Description	Acres	Suitable Acres
F11	F11		4.45	4.45
F12	F12		2.73	2.73
F13	F13		2.68	2.68
F14A	F14A		3.29	3.29
F14B	F14B		1.8	1.8
F15	F15		3.7	3.7
F16	F16		1.84	1.84
F17	F17		1.98	1.98
F18	F18		2.86	2.86
F19	F19		3.37	3.37
F21	F21		1.52	1.51
F5	F5		8.77	8.45
F6	F6		2.77	2.14
F7A	F7A		1.99	1.99
F7B	F7B		2.02	0.86
F9	F9		4.37	4.37
G	G		4.41	4.41
		Totals	54.55	52.43

Cunfer East



* 592.0 feet per inch



Legend



field / CMU



farm boundary



homestead



forest



water



stream



sinkhole area



sinkhole



manure stacking



vegetative buffer



100' manure setback



150' manure setback



AHUA



well



road



Field Acreages

Field	Label	Description	Acres	Suitable Acres
H1	H1		3.32	3.32
H10	H10		5.3	4.89
H11	H11		2.39	2.19
H13	H13		6.75	5.99
H17	H17		5.1	0.22
H19	H19		2.96	0.8
H3	H3		4.45	4.45
H3B	H3		0.86	0.86
H4	H4		4.26	4.26
H5	H5		6.98	6.98
H6	H6		5	5
H7	H7		4.76	3.43
H8	H8		2.13	1.18
H9	H9		3.98	1.88
P1	P1		7.9	7.9
P2	P2		4.02	3.72
		Totals	70.16	57.07