435 Williams Court, Suite 100
Baltimore, MD 21220
www.synagro.com

SYNAGRO

September 17, 2025 sent via email

Mr. Brian Churchill
Delaware Dept. of Natural Resources and Environmental Control
89 Kings Hwy
P.O. Box 1401
Dover, DE 19901

Dear Mr. Churchill,

Enclosed please find the application renewal to distribute heat dried Exceptional Quality (EQ) pellets in Delaware from Synagro's Philadelphia Renewable Biofuels heat dryer facility in Philadelphia, PA.

If you have any questions or require additional information, please contact me via email at dshivar@synagro.com or via phone at 410-967-8388.

Sincerely,

Derrick Shivar

Derrick Shivar
Environmental Compliance Manager

Cc : Jeff Faust, Felicia Morrissette, Michael Krystofinski – Synagro

APPLICATION

APPLICATION FOR A PERMIT TO DISTRIBUTE AND
MARKET WASTEWATER SLUDGE IN DELAWARE

PRELIMINARY INFORMATION

1. Name of facility: Philadelphia Renewable Bio-Fuels, LLC

   Mailing Address: 7800 Penrose Ferry Rd.
   Philadelphia, PA 19153

   Location (street address, if different from mailing address):

2. Name of operator: _Philadelphia Renewable Biofuels, LLC_____

   Mailing Address: ____Same as above_____

   Telephone Number: _215-365-7690_____

1. Does this facility have a currently effective NPDES permit?
   _____ Yes ___X___ No

2. Is this facility required to have, or is it requesting, permit(s) from other agencies under other programs (e.g. RCRA, UST, CERCLA, etc.)?
   _____ Yes ___X___ No

Send the completed application information to:

State of Delaware
Division of Water
Department of Natural Resources and Environmental Control
Commercial and Government Services Section
89 Kings Highway, P.O. Box 1401
Dover, Delaware 19901

BACKGROUND INFORMATION:

1. Does this operator own the facility for which the information is submitted?
___X___ Yes _____ No

2. Indicate type of facility:
_____ Federally owned treatment works
_____ Privately owned treatment works
_____ Publicly owned treatment works (POTW)
__X____ Other ____Direct Drying System (DDS) biosolids to fertilizer plant_____

3. **Description of Sewage Sludge Use or Disposal Practices.** Provide the following information on the quantity (total dry metric tons per year) of sewage sludge handled at the applicants facility:

Amount of sewage sludge:
__58,955____ generated at the facility:
_____ received from off-site:
_____ land applied on-site:
_____ sent off-site for land application:
_____ sent off-site for further treatment or distribution for ultimate land application:
_____ disposed of in a surface disposal unit on-site:
_____ sent off-site for surface disposal:
_____ used or disposed of by a method not described above, including sewage sludge sent to a municipal solid waste landfill unit (explain below):

_____
_____

4. **Sludge Quality Data.** Attach any data available on the quality of the sewage sludge, including but not limited to pollutant concentrations and the level of pathogen reduction attained.

5. **Certification.** Sign the certification statement below.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with the system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person/s who manage the system or those persons directly responsible for gathering the information, the information is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name of Officer: _Al Slepian_____
Official Title of Officer: _General Counsel- CCO_____
Telephone Number: __(443) 591-0244_____
Signature of Officer: _____
Date Signed: ____9/17/2025_____

SECTION A. SEWAGE SLUDGE GENERATION OR PREPARATION

A.1. To be completed if the applicant processes or packages sewage sludge for sale or give-away in a bag or other

container for application to land (as explained in the instructions)

a. Provide the total dry metric tons per year processed or packaged for sale or give-away in a bag or other container for application to land. _58,955_____

b. Indicate which class of pathogen reduction is met by the sewage sludge processed or packaged for sale or give away in a bag or other container for application to land. __Class A, Alternative 5_____

Describe the process(es) used to meet this class of pathogen reduction. _
Refer to Treatment Process, Sampling Plan, and Product Use Document_____

Are all processes used to meet this class of pathogen reduction provided by the applicant?
__X___ Yes _____ No

If no, explain. _____

c. Which of the following vector attraction reduction requirements is met by the sewage sludge processed or packaged for sale or give away in a bag or other container for application to land?

_____ Minimum 38 percent reduction in volatile solids
_____ Anaerobic process, with bench-scale demonstration
_____ Aerobic process, with bench-scale demonstration
_____ Specific oxygen uptake rate (SOUR) for aerobically digested sludge
_____ Aerobic processes plus raised temperature
_____ Raise pH to 12 and retain at 11.5
___X__ 75 percent solids with no unstabilized solids
_____ 90 percent solids with unstabilized solids
_____ Other, explain. _____

Describe the process(es) used to meet this vector attraction reduction requirement. _____
___ Refer to Treatment Process, Sampling Plan, and Product Use Document _____

Are all processes used for vector attraction reduction provided by the applicant?
___X___ Yes _____ No

If no, explain. _____

d. Briefly describe any blending or manufacturing processes employed prior to sale or give away in a bag or other container. _____

e. Attach a copy of all labels or notices that accompany the product being sold or given away.

SECTION B. CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature of Officer: _____

Name of Officer: _Al Slepian_____

Official Title of Officer: ___General Counsel- CCO_____

Telephone Number: __(443) 591-0244_____

Date Signed: _____9/17/2025_____

TREATMENT PROCESS, SAMPLING PLAN, AND PRODUCT USE

Philadelphia Renewable Bio-Fuels, LLC (PRB)

Granulite Fertilizer

Treatment Process, Sampling Plan and Product Use

INTRODUCTION:

Philadelphia Renewable Bio-Fuels, LLC. (PRB), a 100% owned subsidiary of Synagro Technologies, Inc., operates a Direct Drying System (DDS) biosolids to fertilizer plant in Philadelphia, PA. The Biosolids Recycling Center (BRC), formally known as Philadelphia Recycle Center, is located adjacent to the City of Philadelphia's Southwest Water Pollution Control Plant (SWWPCP) at 7800 Penrose Ferry Road. The entire site of the former BRC is 72 acres. Since the inception of the Class A Drying/ Pelletizing in Feb 2012 the site lease was reduced to 9 acres. Synagro and/or its subsidiaries are now under contract to operate the facility for the Philadelphia Municipal Authority (PMA). The annual production is approximately 65,000 dry tons. Synagro markets the pelletized biosolids produced at the facility. PRB is permitted to accept, process, and distribute materials 24 hours per day, 365 days per year. Typical operation of the PRB is 7 days per week, 24 hours a day.

The PRB processes all of the sludge produced by Philadelphia's three water pollution control plants. They are the Southwest Water Pollution Control Plant (SWWPCP), the Southeast Water Pollution Control Plant (SEWPCP) and the Northeast Water Pollution Control Plant (NEWPCP). The three WPCPs are designed to treat a total average daily flow of 522 million gallons per day (MGD), a total maximum daily flow of 783 MGD, and a total peak instantaneous flow of 1.044 billion gallons per day (BGD). Each WPCP produces primary and thickened waste activated sludge. During the week, the PRB will process approximately 8 million gallons of SWWPCP sludge and 56 million gallons of NEWPCP sludge. The facility has two drying trains with a combined maximum drying capacity of 250 dry tons of fertilizer per day. Due to availability of biosolids the plant will process 1100 to 1200 dry tons per week of operation.

Southwest and Southeast Water Pollution Control Plants

The SEWPCP does not have digestion facilities, so the sludge from that facility is piped to the SWWPCP. At the SWWPCP, the SEWPCP and SWWPCP sludges are mixed together and anaerobically digested. The resulting digested liquid sludge has a total solids content of about 2%, and is pumped to storage tanks prior to delivery to PRB. After the digestion process, the sludge is referred to as SW sludge and the SE designation is no longer used. The SWWPCP sludge is transported to PRB via an underground pipeline into three storage tanks. Material is then pumped out of the storage tanks and into the cake receiving building for dewatering.

Northeast Water Pollution Control Plant

The NEWPCP utilizes treatment processes that are mostly the same as those employed at SWWPCP and SEWPCP, and the material produced there has the same general characteristics as that of the SWWPCP. At the NEWPCP, the combined primary and secondary sludges are digested together. The digested sludge has a solids content of about 2%, and is pumped to storage tanks prior to delivery to PRB. The NEWPCP sludge is transported to the PRB via two river barges travelling on the Delaware and Schuylkill Rivers. The City owns the piers at NEWPCP and PRB, and the City also owns the two barges. The loading, transportation and unloading of the barges are done by a marine towing company. The Sludge is unloaded into three storage tanks before being pumped into the cake receiving building for dewatering.

Philadelphia Renewable Bio-Fuels, LLC (PRB)

Granulite Fertilizer

Treatment Process, Sampling Plan and Product Use

TREATMENT PROCESS:

The facility is designed with two separate areas; dewatering and drying. The dewatering side processes all anaerobically digested sludge from the three Water Control Plants. Polymer is added to the sludge and dewatered with ten available high-speed centrifuges. The drying facility then receives the 28 to 30% Total Solids dewatered biosolids to process through the dryer.

The dewatered biosolids are conveyed from the dewatering facility via screw conveyors to a wet cake storage bin and then further conveyed to a coater/mixing unit where they are blended with previously dried and sized biosolid pellets to obtain a total solids content of approximately 60% or higher. The conditioned biosolids are then fed to the dryer/pelletizer.

The evaporation process in the Direct Drying System actually takes place within the triple pass rotating drum. The high speed 850 degree air within the drum pushes the material through the drum until such time as it is dry enough and therefore light enough to be lifted and pneumatically conveyed out of the drum. By this process, no material is ever over-dried, which is a cause of degradation.

The drum consists of three concentric cylinders arranged so that material to be dried flows through the innermost cylinder, back through the middle cylinder and, finally, through the outer cylinder. Flights on the inner walls of the cylinders lift the material and cascade it into the hot air stream.

The triple-pass design of the drum makes most efficient use of the heat as it radiates outward. The biosolids are heated to temperatures in excess of 176 degrees F during the drying process to meet Federal and State Class A pathogen reduction regulations. The dried pellets are separated from the air stream and screened to classify size. The fines and oversized product are returned for recycling, while the material meeting size specifications is sent for cooling and storage. Acceptable fertilizer pellet size ranges from the .5mm to 3 mm. The drying facility has three 600-ton capacity storage silos with temperature indicators and a nitrogen inerting system.

All the surface drainage, leachate, condensate, vehicle wash water, precipitation and sanitary flows are returned to the Southwest Water Pollution Control Plant for processing. Drains and inlets are located in various locations throughout the PRB facility.

LABORATORIES

The laboratories listed in this plan are those used at the time this plan was prepared. Synagro may use different laboratories in the future.

SAMPLING

1) Pollutants (Metals/PCB's):

Digested biosolids are received at the Philadelphia Pelletizer. The biosolids contain approximately 20 percent industrial input and 80 percent residential input. There is an active pre-treatment program implemented by the City of Philadelphia. Once the biosolids pass through the drying process as

described above, samples are collected. A 4 oz. grab sample is collected in a plastic sample cup from the Pellet cooler inlet of each running train every three hours.

This sample (4 oz.) is placed in the designated container to form a 5 day monthly composite sample. After five days, the sample is mixed and a 16 oz. (500 ml) representative sample is collected in a plastic bottle to form the monthly composite. These samples are sealed and sent to the following lab:

ALS Environmental
301 Fulling Mill Road
Middletown PA 17057
Contact: Jessica Smith
(717) 944-5541

The sample is analyzed for the following parameters:

EPA 6010	Aluminum
EPA 7061A	Arsenic
EPA 6010	Cadmium
EPA 6010	Calcium
EPA 6010	Chromium
EPA 6010	Copper
EPA 6010	Iron
EPA 6010	Lead
EPA 6010	Magnesium
EPA 6010	Manganese
EPA 6010	Molybdenum
EPA 6010	Nickel
EPA 6010	Potassium
EPA 6010	Selenium
EPA 6010	Zinc
EPA 6010	Phosphorus
SM 2540G	Percent solids
SM 2540G	Percent Volatile Solids
Calculation	Water Soluble Nitrogen
SM 4500-CL	Chloride
SM-4500-NH3C	Total Kjeldahl Nitrogen (TKN)
EPA 350.2	Ammonia-nitrogen
SM-4500NO3F	Nitrate-nitrogen
SW-9045D	pH
EPA 6010	Boron
SW 846-7471	Mercury

All of the analytical methods utilized by ALS Environmental are described on the analysis results.

The laboratory results for metals must not exceed the following pollutant limits (on a dry weight and monthly average basis):

Arsenic	41 mg/kg
Cadmium	39 mg/kg
Copper	1500 mg/kg
Lead	300 mg/kg
Mercury	17 mg/kg
Molybdenum	75 mg/kg
Nickel	420 mg/kg
Selenium	100 mg/kg
Zinc	2800 mg/kg

A sample will also be taken from this monthly five day composite to be analyzed for PCB's. This 8 oz. (250 ml) sample will be collected and put into a separate 250 ml Amber wide mouth jar with Teflon lid and sent to the following laboratory:

ALS Environmental
301 Fulling Mill Road
Middletown PA 17057
Contact: Jessica Smith
(717) 944-5541

The laboratory will utilize the following analytical method:

SW846 8082A PCB's

The laboratory results for PCB's must not exceed the following regulatory limit for PCB's:

PCB's 4 mg/kg

2) Fecal Coliform (Pathogen Reduction):
The pellets at the Philadelphia Pelletizer meet Class A pathogen reduction through Class A Alternative 5. Class A Alternative 5 is met by testing the pellets during one sampling event per month (event includes 7 samples) for fecal coliform and the density of the fecal coliform in each of the seven samples of the pellets must be less than 1000 MPN/g of total solids (dry weight basis).

The samples are taken from the Pellet Cooler using a clean one-gallon plastic bucket. During the monthly sampling event, 7 samples are collected approximately 15 minutes apart. They are shipped to the laboratory for analysis at 4 degrees Celsius with a maximum transport time to the laboratory of 6 hours and then processing by the laboratory within 2 hours of receipt. The samples will be sent to the following lab:

ALS Environmental
301 Fulling Mill Road
Middletown PA 17057
Contact: Jessica Smith
(717) 944-5541

The analytical method used by the laboratory is as follows:

Philadelphia Renewable Bio-Fuels, LLC (PRB)

Granulite Fertilizer

Treatment Process, Sampling Plan and Product Use

EPA 1680 Fecal Coliform

No material is to be stored at the facility for more than 90 days. If, at any time, material is stored for more than 90 days, that material must be re-sampled and tested for fecal coliform before distribution.

3) Pellet Time and Temperature (Pathogen Reduction):
At the Philadelphia Facility a Bindicator, Model VRFII-SG, pellet temperature monitoring thermocouple is used to monitor temperature. Results are displayed at the Pre-Separator hopper on the HMI and readings are recorded every 3 hours for each operating train on the Pellet Temperature Testing Log located int the Control Room lab. The facility is equipped with thermometers, which are strategically placed within the system, to control air temperature of the air that comes in direct contact with the pellets. There is also a thermocouple in contact with the pellets at the outlet of the dryer that measures pellet temperature. These readings can be monitored through computer readouts located in the control room of the facility. If, at any time, a temperature reading is less than 80 degrees Celsius (176 degrees Fahrenheit), the valve to the storage silo is closed and the material is recycled back through the system and passes through the dryer again. The valve is re-opened when a temperature reading of 80 degrees Celsius (176 degrees Fahrenheit) or greater is recorded.

4) Percent Solids (Vector Attraction Reduction):
The percent total solids lab results from the monthly metals and fecal coliform testing program will be used to certify compliance with the Class A pathogen reduction requirements.

The 5 day monthly composite sample collected for metals and nutrient testing and the seven grab samples collected each month for fecal coliform testing are analyzed for Total Solids by Standard Method SM 2540G.

In addition to the above testing, on-site process monitoring percent solids testing is performed at the Philadelphia drying facility. A plastic sample cup is used to collect a 4-ounce gravity drop sample (from each running train), once every eight hours of dryer operation, at the pellet cooler inlet.

Percent solids readings from the on-site solids testing must be ≥ 90 percent. If, at any time, a solids reading is less than 90 percent, the valve to the storage silo is closed and the material is recycled back through the system and passes through the dryer again. The valve is re-opened when a solids reading of 90 percent or greater is recorded.

In the event that the percent solids results reported by the certified contracted laboratory indicate a reading is less than 90 percent for any of the samples collected during the monthly fecal coliform sampling event or the monthly 5 day composite, the percent solids results from the on-site percent solids testing will be available as confirmation that the pellets have met the required solids content of ≥ 90 percent.

5) PFAS
PFAS sampling will be based on state distribution requirements. A grab sample of final product will be collected and sent to the following lab:

Philadelphia Renewable Bio-Fuels, LLC (PRB)

Granulite Fertilizer

Treatment Process, Sampling Plan and Product Use

Eurofins Lancaster
2425 Holland Pike
Lancaster, PA 17601

The pellets will be analyzed using Method 1633.

DISTRIBUTION AND MARKETING

Pellets produced at the Philadelphia Facility will be marketed under the trade name “Granulite” as either bulk or bagged fertilizer product. Approval with the Delaware Department of Agriculture as a commercial fertilizer product is current.

The pellets produced at the Philadelphia Facility will be sold in bulk or bags as a straight agricultural fertilizer product or to fertilizer blenders for blending with commercial fertilizers and fillers.

LABELING

A product information label will be distributed to all blenders or individuals who receive Granulite directly.

ENVIRONMENTAL AND PUBLIC PROTECTION

Typical environmental concerns associated with the beneficial use of municipal biosolids include pathogen transmission, trace metal build-up in the soil and food chain, and preservation of water quality. The product preparation and label instructions which will accompany the product minimize these concerns.

At the Philadelphia Facility, the “BB” shaped pellets produced by the drying process exit the dryers at less than 10 percent moisture after having reached a temperature in excess of 80°C to achieve PFRP heat drying requirements. The biosolids exiting the dryer meet pathogen and vector attraction reduction requirements and contain the same metals as the dewatered material. According to state and federal regulations, this material therefore poses minimal risk to human health and the environment when used according to the label instructions.

The label provides instructions and application rates based on the nitrogen content of the material. Whether used straight or blended with other fertilizer materials, the dried pellets slowly mineralize and pose minimal risk to surface or groundwater resources when used according to the label directions.

RECORD KEEPING

All reports and records are kept at the Philadelphia Renewable Bio-Fuels, LLC location or the Synagro Corporate office in Baltimore, Maryland in either electronic or paper copy format.

Philadelphia Renewable Bio-Fuels, LLC (PRB)

Granulite Fertilizer

Treatment Process, Sampling Plan and Product Use

Revised 9/17/2025

PRODUCT LABEL

PHILADELPHIA GRANULITE LABEL
3-3-0

GUARANTEED ANALYSIS

Total Nitrogen (N)	**3.0%***
.5% water soluble nitrogen	
***2.5% water insoluble nitrogen**	
Available Phosphate (P_2O_5)	**3.0%**
Soluble Potash (K_2O)	**0.0%**

Derived from: biosolids

*** This product contains 2.5% slow release nitrogen**

APPLICATION RATES FOR BULK USE

Nitrogen Requirement	Granulite Needed
100 lbs./acre	3.3 tons/acre
120 lbs./acre	4.0 tons/acre
150 lbs./acre	5.0 tons/acre

Use above table or following formula to calculate application rates:

$$\frac{\text{lbs./acre of nitrogen needed by crop}}{30} = \text{tons/acre Granulite needed}$$

AS WITH ALL FERTILIZER PRODUCTS, KEEP OUT OF REACH OF CHILDREN AND PETS. AVOID INGESTION AND INHALATION. DO NOT APPLY IN OR NEAR ANY PUBLIC OR PRIVATE WATER SUPPLIES INCLUDING WELLS, STREAMS OR LAKES. DO NOT APPLY TO FLOODED, SNOW-COVERED OR FROZEN LAND. BEST IF STORED IN A COOL, DRY PLACE. THIS PRODUCT MEETS THE U.S. EPA'S "EXCEPTIONAL QUALITY" (EQ) STANDARDS. THIS PRODUCT IS NOT AUTHORIZED UNDER THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION'S GENERAL PERMIT (PAG-07) FOR BENEFICIAL USE OF EXCEPTIONAL QUALITY BIOSOLIDS. LAND APPLICATION OF THIS EQ BIOSOLIDS PRODUCT IS PERMITTED ONLY IN ACCORDANCE WITH THE INSTRUCTIONS ON THIS LABEL. FOR OTHER USES NOT LISTED ON THIS LABEL, PLEASE CONTACT SYNAGRO PRODUCT DISTRIBUTION FOR ADDITIONAL INFORMATION.

CAUTION: Product contains more than 4% iron on dry weight basis. Do not use product on pasture land.

Prepared by: Philadelphia Renewable Biofuels, LLC
7800 Penrose Ferry Road
Philadelphia, PA 19153

Guaranteed by: SYNAGRO PRODUCT SALES & MARKETING
435 WILLIAMS CT, SUITE 100
BALTIMORE, MD 21220
1-800-573-5538

LAB ANALYSES

Main Site: 301 Fulling Mill Road | Middletown, PA 17057 | Phone: 717-944-5541 | www.alsglobal.com
Associated Site: 20 Riverside Drive | Spring City, PA 19475 | Phone: 610-948-4903 |

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: PJLA 74618
State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343, NJ PA101

Analytical Results Report For

Synagro Technologies

Project	Syn-Bio 5 Day Comp Pellets
Workorder	3419403
Report ID	430753 on 6/20/2025

Certificate of Analysis

Enclosed are the analytical results for samples received by the laboratory on Jun 06, 2025.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Jessica Smith (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

ALS Middletown: 301 Fulling Mill Road, Middletown, PA 17057 : 717-944-5541.

Recipient(s):
- Lisa Callan - Synagro
- Chris Thornton - Synagro Technologies
- Derrick Shivar - Synagro Technologies
- Jeff Faust - Synagro
- Accounts Department - Synagro - Philadelphia, Camden
- Sherika Washington - Synagro Technologies
- Tracy Goolsbee - Synagro Technologies
- Tamre Hurt - Synagro Technologies - Philly

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Jessica Smith

Jessica Smith *(ALS Digital Signature)*
Project Coordinator

Sample Summary

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collector	Collection Company
3419403001	Pellet 5 Day Comp 6/1-6/5/25	Solid	06/06/2025 07:00	06/06/2025 14:30	CBC	Collected By Client

Reference

Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- Except as qualified, Clean Water Act sample analyses are consistent with methodology requirements in 40 CFR Part 136, including but not limited to the following EPA Method reference revisions:
  EPA 300.1 Rev. 1.0-1997
  EPA 300.0 Rev. 2.1-1993
  EPA 353.2 Rev. 2.0-1993
  EPA 410.4 Rev. 1.0-1993
  EPA 420.4 Rev. 1.0-1993
  EPA 365.1 Rev. 2.0-1993
  EPA 200.7 Rev. 4.4-1994
  EPA 200.8 Rev. 5.4-1994
  EPA 245.1 Rev. 3.0-1994
- Except as qualified, Safe Drinking Water Act sample analyses are consistent with methodology requirements in 40 CFR Part 141.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are preformed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix “S” followed by a method number (such as S2310B-97) refer to methods from “Standard Methods for the Examination of Water and Wastewater”.
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.
- An Analysis-Prep Method Cross Reference Table is included after Analytical Results & Qualifiers section in this report.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND) above the MDL
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Practical Quantitation Limit for this Project
ND	Not Detected - indicates that the analyte was Not Detected
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits
#	Please reference the result in the Results Section for analyte-level flags.

Project Notations

Sample Notations

Lab ID	Sample ID

Result Notations

Notation Ref.	
1	The detection of this compound was confirmed on an alternate column. Precision between the two results exceeded in house control limits (<40%RPD).
2	The Total Alkalinity is titrated to a pH of 4.5 and reported as mg CaCO3/Kg.
3	This sample was analyzed at a temperature of 21 degrees Celsius.
4	The corrosivity analysis is an "analyze immediately" analysis. Parameters identified as "analyze immediately" require analysis within 15 minutes of collection, and are therefore analyzed outside of the method holding time when analyzed in the laboratory.

Detected Results Summary

Client Sample ID	Pellet 5 Day Comp 6/1-6/5/25	Collected	06/06/2025 07:00
Lab Sample ID	3419403001	Lab Receipt	06/06/2025 14:30

Compound	Result	Units	RDL	Method	Flag
METALS					
Aluminum, Total	7740	mg/kg	42.1	SW846 6010C	#
Arsenic, Total	23.8	mg/kg	8.4	SW846 6010C	#
Cadmium, Total	3.3	mg/kg	2.1	SW846 6010C	#
Calcium, Total	21900	mg/kg	42.1	SW846 6010C	#
Chromium, Total	91.1	mg/kg	4.2	SW846 6010C	#
Copper, Total	481	mg/kg	8.4	SW846 6010C	#
Iron, Total	119000	mg/kg	42.1	SW846 6010C	#
Lead, Total	78.2	mg/kg	8.4	SW846 6010C	#
Magnesium, Total	4260	mg/kg	42.1	SW846 6010C	#
Manganese, Total	1300	mg/kg	4.2	SW846 6010C	#
Mercury, Total	0.54	mg/kg	0.051	SW846 7471B	#
Nickel, Total	28.1	mg/kg	8.4	SW846 6010C	#
Potassium, Total	1570	mg/kg	210	SW846 6010C	#
Silver, Total	2.1	mg/kg	2.1	SW846 6010C	#
Sodium, Total	345	mg/kg	210	SW846 6010C	#
Sulfur	10500	mg/kg	42.1	SW846 6010C	#
Zinc, Total	1230	mg/kg	8.4	SW846 6010C	#
WET CHEMISTRY					
Alkalinity, Total	1100	mg/kg	54	SM2320B-2011	#
Ammonia-nitrogen, Total	1570	mg/kg	108	ASTM D6919-17	#
Chloride	379	mg/kg	56.4	EPA 300.0	#
Corrosivity as pH	7.06	pH_Units		SW846 9045D	#
Cyanide, Total	5.7	mg/kg	0.27	SW846 9012B	#
Moisture	7.5	%	0.1	S2540G-15	#
Phosphorus, Total	25400	mg/kg	983	EPA 365.1	#
Solids, Total Volatile	47.4	%	1.0	S2540G-15	#
Tot. Kjeldahl Nitrogen,(Moist)	19300	mg/kg	196	S4500NH3G-11	#
Total Kjeldahl Nitrogen	20900	mg/kg	212	S4500NH3G-11	#
Total Solids	92.5	%	0.1	S2540G-15	#

Results

Client Sample ID	Pellet 5 Day Comp 6/1-6/5/25	Collected	06/06/2025 07:00
Lab Sample ID	3419403001	Lab Receipt	06/06/2025 14:30

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Aluminum, Total	7740		mg/kg	42.1	SW846 6010C	2	06/18/2025 14:34	MSY	A1
Arsenic, Total	23.8		mg/kg	8.4	SW846 6010C	2	06/18/2025 14:34	MSY	A1
Boron, Total	ND	ND	mg/kg	42.1	SW846 6010C	2	06/18/2025 14:34	MSY	A1
Cadmium, Total	3.3		mg/kg	2.1	SW846 6010C	2	06/18/2025 14:34	MSY	A1
Calcium, Total	21900		mg/kg	42.1	SW846 6010C	2	06/18/2025 14:34	MSY	A1
Chromium, Total	91.1		mg/kg	4.2	SW846 6010C	2	06/18/2025 14:34	MSY	A1
Copper, Total	481		mg/kg	8.4	SW846 6010C	2	06/18/2025 14:34	MSY	A1
Iron, Total	119000		mg/kg	42.1	SW846 6010C	2	06/18/2025 14:34	MSY	A1
Lead, Total	78.2		mg/kg	8.4	SW846 6010C	2	06/18/2025 14:34	MSY	A1
Magnesium, Total	4260		mg/kg	42.1	SW846 6010C	2	06/18/2025 14:34	MSY	A1
Manganese, Total	1300		mg/kg	4.2	SW846 6010C	2	06/18/2025 14:34	MSY	A1
Mercury, Total	0.54		mg/kg	0.051	SW846 7471B	1	06/12/2025 10:11	AJN	A
Nickel, Total	28.1		mg/kg	8.4	SW846 6010C	2	06/18/2025 14:34	MSY	A1
Potassium, Total	1570		mg/kg	210	SW846 6010C	2	06/18/2025 14:34	MSY	A1
Silver, Total	2.1		mg/kg	2.1	SW846 6010C	2	06/18/2025 14:34	MSY	A1
Sodium, Total	345		mg/kg	210	SW846 6010C	2	06/18/2025 14:34	MSY	A1
Sulfur	10500		mg/kg	42.1	SW846 6010C	2	06/18/2025 14:34	MSY	A1
Zinc, Total	1230		mg/kg	8.4	SW846 6010C	2	06/18/2025 14:34	MSY	A1

PCBs

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Aroclor-1016	ND	ND	mg/kg	0.17	SW846 8082A	5	06/10/2025 22:44	DXL	A
Aroclor-1221	ND	ND	mg/kg	0.17	SW846 8082A	5	06/10/2025 22:44	DXL	A
Aroclor-1232	ND	ND	mg/kg	0.17	SW846 8082A	5	06/10/2025 22:44	DXL	A
Aroclor-1242	ND	ND	mg/kg	0.17	SW846 8082A	5	06/10/2025 22:44	DXL	A
Aroclor-1248	ND	ND	mg/kg	0.17	SW846 8082A	5	06/10/2025 22:44	DXL	A
Aroclor-1254	ND	ND	mg/kg	0.17	SW846 8082A	5	06/10/2025 22:44	DXL	A
Aroclor-1260	ND	ND,1	mg/kg	0.17	SW846 8082A	5	06/10/2025 22:44	DXL	A
Total Polychlorinated Biphenyl	ND	ND	mg/kg	0.17	SW846 8082A	5	06/10/2025 22:44	DXL	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
Decachlorobiphenyl	2051-24-3	53.9%	49 – 115	06/10/2025 22:44	
Tetrachloro-m-xylene	877-09-8	64.4%	27 – 137	06/10/2025 22:44	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Total	1100	2	mg/kg	54	SM2320B-2011	1	06/13/2025 17:53	MYM	A
Ammonia-nitrogen, Total	1570		mg/kg	108	ASTM D6919-17	100	06/14/2025 00:02	GMM	
Chloride	379		mg/kg	56.4	EPA 300.0	5	06/10/2025 02:16	J1W	A
Corrosivity as pH	7.06	3,4	pH_Units		SW846 9045D	1	06/09/2025 11:35	MYM	A
Cyanide, Total	5.7		mg/kg	0.27	SW846 9012B	1	06/13/2025 18:33	GED	A
Moisture	7.5		%	0.1	S2540G-15	1	06/09/2025 21:51	LMD	A

Results

Client Sample ID	Pellet 5 Day Comp 6/1-6/5/25	Collected	06/06/2025 07:00
Lab Sample ID	3419403001	Lab Receipt	06/06/2025 14:30

WET CHEMISTRY (cont.)

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Nitrate/Nitrite-N	ND	ND	mg/kg	5.6	EPA 300.0	5	06/10/2025 02:16	J1W	A
Phosphorus, Total	25400		mg/kg	983	EPA 365.1	100	06/13/2025 12:51	ZEB	A
Solids, Total Volatile	47.4		%	1.0	S2540G-15	1	06/12/2025 15:15	LMD	A
Tot. Kjeldahl Nitrogen,(Moist)	19300		mg/kg	196	S4500NH3G-11	1	06/13/2025 13:42	ELA	A
Total Kjeldahl Nitrogen	20900		mg/kg	212	S4500NH3G-11	1	06/13/2025 11:27	ELA	A
Total Solids	92.5		%	0.1	S2540G-15	1	06/09/2025 21:51	LMD	A

Sample - Method Cross Reference Table

Lab ID	Sample ID	Analysis Method	Preparation Method	Leachate Method
3419403001	Pellet 5 Day Comp 6/1-6/5/25	SW846 6010C	SW846 3051A	
		SW846 7471B	SW846 7471B	
		SW846 8082A	SW846 3546	
		ASTM D6919-17	In House	
		EPA 300.0	EPA 300.0	
		EPA 365.1	EPA 365.1	
		S2540G-15	N/A	
		S2540G-15	N/A	
		S4500NH3G-11	S4500-NorgB-11	
		SM2320B-2011	N/A	
		SW846 9012B	SW846 9012B	
		SW846 9045D	N/A	

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Lab ID	Sample ID	Preparation Method	Prep Batch	Prep Date/Time	By	Analysis Method	Anly Batch
3419403001	Pellet 5 Day Comp 6/1-6/5/25	SW846 3051A	1444575	06/18/2025 08:25	J1K	SW846 6010C	1444823
		SW846 7471B	1443353	06/12/2025 06:01	AJN	SW846 7471B	1443595
		SW846 3546	1443019	06/10/2025 08:50	RMF	SW846 8082A	1443330
		In House	1443196	06/10/2025 11:00	GMM	ASTM D6919-17	1443455
		EPA 300.0	1442921	06/09/2025 13:21	J1W	EPA 300.0	1442991
		EPA 365.1	1443233	06/12/2025 14:53	ZEB	EPA 365.1	1443743
		N/A	N/A	N/A		S2540G-15	1443103
		N/A	N/A	N/A		S2540G-15	1443739
		S4500-NorgB-11	1443492	06/12/2025 08:58	ELA	S4500NH3G-11	1443910
		S4500-NorgB-11	1443492	06/12/2025 08:58	ELA	S4500NH3G-11	1443911
		N/A	N/A	N/A		SM2320B-2011	1443892
		SW846 9012B	1443451	06/11/2025 19:00	GED	SW846 9012B	1443950
		N/A	N/A	N/A		SW846 9045D	1442930

3419403
Logged By: SLS
PM: JLS

301 Fulling Mill Rd, Suite A
Middletown, PA 17057
P. 717-944-5541

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

COC #:
ALS Quote #:
of

Client Name: Synagro -Philly

Address: 7800 Penrose Ferry Road
Philadelphia, PA 19153

Contact: Chris Thornton
Phone#:(215)365-7690 X132
Proj Name/#:Monthly Syn-Bio 5 Day Comp Pellets
Bill To:Synagro -Philly
Purchase Order #:
TAT [X] Normal-Standard TAT is 10-12 business days.
[ ] Rush-Subject to ALS approval and surcharges.
Date Required: Approved?
Email? [X] cthornton1@synagro.com

	Container Type	G	G									
	Container Size	4oz	16oz									
	Preservative	None	None									

Orthophosphate Filtered? Yes No Hexavalent Chromium Yes No

ANALYSIS / METHOD REQUESTED

	Sample Description/Location (as it will appear on the lab report)	Date Collected mm/dd/yy	Time hh:mm	SDWA Sample Type (see key)	*G or C	**Matrix (See bottom of COC)	PCB	NO2, NO3, Chloride, Total Cyanide, %TS, TVS	Corrosivity, Total Alkalinity, Amm, Phos, TKN	Metals: AL, CU, AG, FE, K, MG, MN, NA, S, ZN, AS, CD, CR, PB, NI, CA, B, HG							
				Enter Number of Containers Per Sample or Field Results Below.													
1	Pellet 5 day Comp- 6/1/25-6/5/25 Pellet Cooler	6/6/25	10:00		C	S	1	1	X	X							
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

Circle Sample Collector: ALS Tech / Client
Name: Justin Rowlands ID:

Comments:

Date:	Time		Relinquished By / Company Name		Received By / Company Name
6/6/25	1004	1	/Synagro Philadelphia	2	1004
6-6-25	1430	3	JAS	4	
		5		6	
		7		8	
		9		10	

Receipt Information (completed by Receiving Lab)

Temp Taken By: Therm ID: WO Temp (°C)

Receipt Info completed by:_____ WV Containers 0-6°C Y N NA

Cooler Custody Seals Intact	Y	N	NA
Sample Custody Seal Intact	Y	N	NA
Received on Ice	Y	N	NA
Coolers & Samples Intact	Y	N	
Correct Containers Provided	Y	N	
Sample Label/COC Agree	Y	N	
Adequate Sample Volumes	Y	N	
VOA only: Trip Blank	Y	N	NA

NJ ≤ 4 days? Y N
Courier/Tracking #

Deviations? NO YES
If YES, list below:

Client contact:
Date/Tech:

Sample(s) for Radiation testing? Y N Rad Screen (uCi)_____
Reportable SDWA Sample(s)? Y N New Source? Y N
SDWA State of Origin?_____ New Source Contact:
PWSID #__
PWS Contact:_____ PWS Phone #:_____

SDWA Sample Type Key: D=Distribution E=Entry Point
R=Raw P=Plant C=Check S=Special A=Annual Startup

Sample/COC Remarks

Samples shipped on ice

AL,CU,AG,FE,K,MG,MN,NA,S,ZN,AS,CD,CR,PB,NI,CA,B,HG

Contains Short Hold Testing YES NO

Internal Use: If less than 48 hours - notify lab upon receipt

Data Deliverables: [X] Standard Lvl 1 [ ] Standard Lvl 2 [ ] Standard Lvl 3 [ ] Standard Lvl 4 [ ] CLP-like [ ] DOD [ ] NJ RED [ ] NJ Full [ ] HSCA [ ] Landfill [ ] NJ GW [ ] _____

EDDs: [ ] Excel Summary [ ] Equis [ ] Custom

Sample Disposal: Lab [X] Special [ ]

EDDS: Format Type

State Samples Collected In: [ ] NY [ ] NJ [X] PA [ ] WV [ ] FL [ ] other

* G=Grab; C=Composite **Matrix - A=Air; D=Drinking Water; GW=Groundwater; O=Oil; LW=Liquid Waste; S=Solid/Soil/Sludge; SW=Surface Water; WP=Wipe; WW=Wastewater

ALS SHIPPING ADDRESS: 301 Fulling Mill Road, Suite A, Middletown, PA 17057

Rev 07.06.2023

Middletown Sample Condition Form

Client Synagro Workorder 3419403

Temp °C 1 Therm ID 569 Ice? (Y) N N/A Initials & Date MP 6/6/25

Fedex UPS Client (ALS) Other Tracking # _____

	Yes	No[1]	N/A	Comments
Cooler Custody Seals present & intact			✓	
Sample Custody Seals present & intact			✓	
Chain-of-Custody present	✓			
Sample collector name present *If not present, must contact PM/client to request name.*	✓			
COC/bottle labels complete & in agreement	↓			
•Sample location				
•Date and time of sample collection				
•Type(s) of preservation				
•Number of containers				
•Composite or grab				
•Matrix				
Proper containers, preservation, and volume per method				
Received within hold time				
Containers intact	↓			
Trip blanks present (EPA 504, EPA 524)			✓	
Field blanks present (Hg 1631, PFAS)			↓	
NJ ≤ 4 Days				
CR6 Samples Filtered				
OP Samples Filtered				
WV Containers 0-6°C				
SDWA compliance reporting			↓	

[1] *If No, provide comment*

Rad Screen (uCi) _____

PM - PM to contact client
N/A - Not Applicable
UC - Updated coc with missing information

Review Comments:

_____

_____

_____

Main Site: 301 Fulling Mill Road | Middletown, PA 17057 | Phone: 717-944-5541 | www.alsglobal.com
Associated Site: 20 Riverside Drive | Spring City, PA 19475 | Phone: 610-948-4903 |

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: PJLA 74618
State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343, NJ PA101

Analytical Results Report For

Synagro Technologies

Project Fecal Coliform Pellet Cooler
Workorder 3418266
Report ID 426553 on 6/10/2025

Certificate of Analysis

Enclosed are the analytical results for samples received by the laboratory on Jun 01, 2025.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Jessica Smith (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

ALS Middletown: 301 Fulling Mill Road, Middletown, PA 17057 : 717-944-5541.

Recipient(s):
- Lisa Callan - Synagro
- Chris Thornton - Synagro Technologies
- Derrick Shivar - Synagro Technologies
- Jeff Faust - Synagro
- Accounts Department - Synagro - Philadelphia, Camden
- Sherika Washington - Synagro Technologies
- Tracy Goolsbee - Synagro Technologies
- Tamre Hurt - Synagro Technologies - Philly

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Jessica Smith

Jessica Smith *(ALS Digital Signature)*
Project Coordinator

Sample Summary

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collector	Collection Company
3418266001	Pellets Sample 1	Solid	06/01/2025 09:00	06/01/2025 13:00	CBC	Collected By Client
3418266002	Pellets Sample 2	Solid	06/01/2025 09:15	06/01/2025 13:00	CBC	Collected By Client
3418266003	Pellets Sample 3	Solid	06/01/2025 09:30	06/01/2025 13:00	CBC	Collected By Client
3418266004	Pellets Sample 4	Solid	06/01/2025 09:45	06/01/2025 13:00	CBC	Collected By Client
3418266005	Pellets Sample 5	Solid	06/01/2025 10:00	06/01/2025 13:00	CBC	Collected By Client
3418266006	Pellets Sample 6	Solid	06/01/2025 10:15	06/01/2025 13:00	CBC	Collected By Client
3418266007	Pellets Sample 7	Solid	06/01/2025 10:30	06/01/2025 13:00	CBC	Collected By Client

Reference

Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- Except as qualified, Clean Water Act sample analyses are consistent with methodology requirements in 40 CFR Part 136, including but not limited to the following EPA Method reference revisions:
  EPA 300.1 Rev. 1.0-1997
  EPA 300.0 Rev. 2.1-1993
  EPA 353.2 Rev. 2.0-1993
  EPA 410.4 Rev. 1.0-1993
  EPA 420.4 Rev. 1.0-1993
  EPA 365.1 Rev. 2.0-1993
  EPA 200.7 Rev. 4.4-1994
  EPA 200.8 Rev. 5.4-1994
  EPA 245.1 Rev. 3.0-1994
- Except as qualified, Safe Drinking Water Act sample analyses are consistent with methodology requirements in 40 CFR Part 141.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are preformed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix “S” followed by a method number (such as S2310B-97) refer to methods from “Standard Methods for the Examination of Water and Wastewater”.
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.
- An Analysis-Prep Method Cross Reference Table is included after Analytical Results & Qualifiers section in this report.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND) above the MDL
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Practical Quantitation Limit for this Project
ND	Not Detected - indicates that the analyte was Not Detected
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits
#	Please reference the result in the Results Section for analyte-level flags.

Project Notations

Sample Notations

Lab ID	Sample ID

Result Notations

Notation Ref.

Detected Results Summary

Client Sample ID	Pellets Sample 1	Collected	06/01/2025 09:00
Lab Sample ID	3418266001	Lab Receipt	06/01/2025 13:00

Compound	Result	Units	RDL	Method	Flag
WET CHEMISTRY					
Moisture	6.5	%		In-House	#
Total Solids	93.5	%		In-House	#

Detected Results Summary

Client Sample ID	Pellets Sample 2	Collected	06/01/2025 09:15
Lab Sample ID	3418266002	Lab Receipt	06/01/2025 13:00

Compound	Result	Units	RDL	Method	Flag
WET CHEMISTRY					
Moisture	6.4	%		In-House	#
Total Solids	93.6	%		In-House	#

Detected Results Summary

Client Sample ID	Pellets Sample 3	Collected	06/01/2025 09:30
Lab Sample ID	3418266003	Lab Receipt	06/01/2025 13:00

Compound	Result	Units	RDL	Method	Flag
WET CHEMISTRY					
Moisture	6.6	%		In-House	#
Total Solids	93.4	%		In-House	#

Detected Results Summary

Client Sample ID	Pellets Sample 4	Collected	06/01/2025 09:45
Lab Sample ID	3418266004	Lab Receipt	06/01/2025 13:00

Compound	Result	Units	RDL	Method	Flag
WET CHEMISTRY					
Moisture	6.5	%		In-House	#
Total Solids	93.5	%		In-House	#

Detected Results Summary

Client Sample ID	Pellets Sample 5	Collected	06/01/2025 10:00
Lab Sample ID	3418266005	Lab Receipt	06/01/2025 13:00

Compound	Result	Units	RDL	Method	Flag
WET CHEMISTRY					
Moisture	6.1	%		In-House	#
Total Solids	93.9	%		In-House	#

Detected Results Summary

Client Sample ID	Pellets Sample 6	Collected	06/01/2025 10:15
Lab Sample ID	3418266006	Lab Receipt	06/01/2025 13:00

Compound	Result	Units	RDL	Method	Flag
WET CHEMISTRY					
Moisture	6.3	%		In-House	#
Total Solids	93.7	%		In-House	#

Detected Results Summary

Client Sample ID	Pellets Sample 7	Collected	06/01/2025 10:30
Lab Sample ID	3418266007	Lab Receipt	06/01/2025 13:00

Compound	Result	Units	RDL	Method	Flag
WET CHEMISTRY					
Moisture	6.3	%		In-House	#
Total Solids	93.7	%		In-House	#

Results

Client Sample ID	Pellets Sample 1	Collected	06/01/2025 09:00
Lab Sample ID	3418266001	Lab Receipt	06/01/2025 13:00

MICROBIOLOGY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Fecal Coliforms	ND	ND	MPN/gram	2	EPA 1680	1	06/03/2025 15:09	CXA	A

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	6.5		%		In-House	1	06/06/2025 15:32	MMS	A
Total Solids	93.5		%		In-House	1	06/06/2025 15:32	MMS	A

Results

Client Sample ID	Pellets Sample 2	Collected	06/01/2025 09:15
Lab Sample ID	3418266002	Lab Receipt	06/01/2025 13:00

MICROBIOLOGY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Fecal Coliforms	ND	ND	MPN/gram	2	EPA 1680	1	06/04/2025 14:53	CXA	A

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	6.4		%		In-House	1	06/06/2025 15:32	MMS	A
Total Solids	93.6		%		In-House	1	06/06/2025 15:32	MMS	A

Results

Client Sample ID	Pellets Sample 3	Collected	06/01/2025 09:30
Lab Sample ID	3418266003	Lab Receipt	06/01/2025 13:00

MICROBIOLOGY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Fecal Coliforms	ND	ND	MPN/gram	2	EPA 1680	1	06/03/2025 15:09	CXA	A

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	6.6		%		In-House	1	06/06/2025 15:32	MMS	A
Total Solids	93.4		%		In-House	1	06/06/2025 15:32	MMS	A

Results

Client Sample ID	Pellets Sample 4	Collected	06/01/2025 09:45
Lab Sample ID	3418266004	Lab Receipt	06/01/2025 13:00

MICROBIOLOGY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Fecal Coliforms	ND	ND	MPN/gram	2	EPA 1680	1	06/03/2025 15:09	CXA	A

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	6.5		%		In-House	1	06/06/2025 15:32	MMS	A
Total Solids	93.5		%		In-House	1	06/06/2025 15:32	MMS	A

Results

Client Sample ID	Pellets Sample 5	Collected	06/01/2025 10:00
Lab Sample ID	3418266005	Lab Receipt	06/01/2025 13:00

MICROBIOLOGY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Fecal Coliforms	ND	ND	MPN/gram	2	EPA 1680	1	06/03/2025 15:09	CXA	A

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	6.1		%		In-House	1	06/06/2025 15:32	MMS	A
Total Solids	93.9		%		In-House	1	06/06/2025 15:32	MMS	A

Results

Client Sample ID	Pellets Sample 6	Collected	06/01/2025 10:15
Lab Sample ID	3418266006	Lab Receipt	06/01/2025 13:00

MICROBIOLOGY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Fecal Coliforms	ND	ND	MPN/gram	2	EPA 1680	1	06/03/2025 15:09	CXA	A

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	6.3		%		In-House	1	06/06/2025 15:32	MMS	A
Total Solids	93.7		%		In-House	1	06/06/2025 15:32	MMS	A

Results

Client Sample ID	Pellets Sample 7	Collected	06/01/2025 10:30
Lab Sample ID	3418266007	Lab Receipt	06/01/2025 13:00

MICROBIOLOGY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Fecal Coliforms	ND	ND	MPN/gram	2	EPA 1680	1	06/03/2025 15:09	CXA	A

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	6.3		%		In-House	1	06/06/2025 15:32	MMS	A
Total Solids	93.7		%		In-House	1	06/06/2025 15:32	MMS	A

Sample - Method Cross Reference Table

Lab ID	Sample ID	Analysis Method	Preparation Method	Leachate Method
3418266001	Pellets Sample 1	EPA 1680 In-House	EPA 1680 N/A	
3418266002	Pellets Sample 2	EPA 1680 In-House	EPA 1680 N/A	
3418266003	Pellets Sample 3	EPA 1680 In-House	EPA 1680 N/A	
3418266004	Pellets Sample 4	EPA 1680 In-House	EPA 1680 N/A	
3418266005	Pellets Sample 5	EPA 1680 In-House	EPA 1680 N/A	
3418266006	Pellets Sample 6	EPA 1680 In-House	EPA 1680 N/A	
3418266007	Pellets Sample 7	EPA 1680 In-House	EPA 1680 N/A	

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Lab ID	Sample ID	Preparation Method	Prep Batch	Prep Date/Time	By	Analysis Method	Anly Batch
3418266001	Pellets Sample 1	EPA 1680	1442394	06/01/2025 16:59	CXA	EPA 1680	1442395
		N/A	N/A	N/A		In-House	1442527
3418266002	Pellets Sample 2	EPA 1680	1442394	06/01/2025 16:59	CXA	EPA 1680	1442395
		N/A	N/A	N/A		In-House	1442527
3418266003	Pellets Sample 3	EPA 1680	1442394	06/01/2025 17:09	CXA	EPA 1680	1442395
		N/A	N/A	N/A		In-House	1442527
3418266004	Pellets Sample 4	EPA 1680	1442394	06/01/2025 17:41	CXA	EPA 1680	1442395
		N/A	N/A	N/A		In-House	1442527
3418266005	Pellets Sample 5	EPA 1680	1442394	06/01/2025 17:41	CXA	EPA 1680	1442395
		N/A	N/A	N/A		In-House	1442527
3418266006	Pellets Sample 6	EPA 1680	1442394	06/01/2025 17:41	CXA	EPA 1680	1442395
		N/A	N/A	N/A		In-House	1442527
3418266007	Pellets Sample 7	EPA 1680	1442394	06/01/2025 17:53	CXA	EPA 1680	1442395
		N/A	N/A	N/A		In-House	1442527

301 Fulling Mill Rd, Suite A
Middletown, PA 17057
P. 717-944-5541

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

3418266
Logged By: GRD
PM: JLS

COC #:
ALS Quote
of

Client Name:Synagro -Philly

Address: 7800 Penrose Ferry Road
Philadelphia, PA 19153

Contact:Chris Thornton
Phone#:(215)365-7690 X132
Proj Name/#: Fecal coliform pellet cooler
Bill To:Synagro -Philly
Purchase Order #:

TAT [X] Normal-Standard TAT is 10-12 business days.
[ ] Rush-Subject to ALS approval and surcharges.
Date Required: Approved?
Email? [X] cthornton1@synagro.com

	Container Type	Container Size	Preservative
	P	125mL	None

Orthophosphate Filtered? Yes No Hexavalent Chromium Filtered? Yes No

ANALYSIS / METHOD REQUESTED

	Sample Description/Location (as it will appear on the lab report)	Date Collected mm/dd/yy	Time hh:mm	SDWA Sample Type (see key)	*G or C	**Matrix (See bottom of COC)	Fecal Coliform	Total % Solids
							Enter Numb	
1	Pellets Sample 1 / Pellet Cooler	6-1-25	0900		G	S	1	x
2	Pellets Sample 2 / Pellet Cooler	6-1-25	0915		G	S	1	x
3	Pellets Sample 3 / Pellet Cooler	6-1-25	0930		G	S	1	x
4	Pellets Sample 4 / Pellet Cooler	6-1-25	0945		G	S	1	x
5	Pellets Sample 5 / Pellet Cooler	6-1-25	1000		G	S	1	x
6	Pellets Sample 6 / Pellet Cooler	6-1-25	1015		G	S	1	x
7	Pellets Sample 7 / Pellet Cooler	6-1-25	1030		G	S	1	x
8								
9								
10								

6012025008
6012025014

Circle Sample Collector: ALS Tech / Client
Name: Justin Rowlands ID:

Comments:

Date:	Time		Relinquished By / Company Name		Received By / Company Name
6/1/25	1030	1	/Synagro Philadelphia	2	6-1-25 10:10
6-1-25	1300	3		4	
		5		6	
		7		8	
		9		10	

Receipt Information (completed by Receiving Lab)
Temp Taken By: Therm ID: 352 WO Temp (°C) 3
Receipt Info completed by:_____ WV Containers 0-6°C Y N NA

Cooler Custody Seals Intact	Y	N	NA
Sample Custody Seal Intact	Y	N	NA
Received on Ice	Y	N	NA
Coolers & Samples Intact	Y	N	
Correct Containers Provided	Y	N	
Sample Label/COC Agree	Y	N	
Adequate Sample Volumes	Y	N	
VOA only: Trip Blank	Y	N	NA
NJ ≤ 4 days?	Y	N	

Courier/Tracking #

Deviations? NO YES
If YES, list below:

Client contact:
Date/Tech:

Sample(s) for Radiation testing? Y N Rad Screen (uCi)_____
Reportable SDWA Sample(s)? Y N New Source? Y N
SDWA State of Origin?_____ New Source Contact:
PWSID #__
PWS Contact:_____ PWS Phone #:_____

SDWA Sample Type Key: D=Distribution E=Entry Point
R=Raw P=Plant C=Check S=Special A=Annual Startup

Sample/COC Remarks

Samples shipped on ice

Contains Short Hold Testing YES NO
Internal Use: If less than 48 hours - notify lab upon receipt

Data Deliverables: [X] Standard Lvl 1 [ ] Standard Lvl 2 [ ] Standard Lvl 3 [ ] Standard Lvl 4 [ ] CLP-like [ ] DOD [ ] NJ RED [ ] NJ Full [ ] HSCA [ ] Landfill [ ] NJ GW [ ] _____

EDDs: [ ] Excel Summary [ ] Equis [ ] Custom

Sample Disposal: Lab [X] Special [ ]

EDDS: Format Type

State Samples Collected In: [ ] NY [ ] NJ [X] PA [ ] WV [ ] FL [ ] other

* G=Grab; C=Composite **Matrix - A=Air; D=Drinking Water; GW=Groundwater; O=Oil; LW=Liquid Waste; S=Solid/Soil/Sludge; SW=Surface Water; WP=Wipe; WW=Wastewater

ALS SHIPPING ADDRESS: 301 Fulling Mill Road, Suite A, Middletown, PA 17057

Rev 07.06.2023

Middletown Sample Condition Form

Client Synagro Workorder 34182666

Temp °C 3 Therm ID 352 Ice? (Y) N N/A Initials & Date GRD 6/11/25

Fedex UPS Client (ALS) Other Tracking # —

	Yes	No[1]	N/A	Comments
Cooler Custody Seals present & intact			X	
Sample Custody Seals present & intact	X			
Chain-of-Custody present	X			
Sample collector name present *If not present, must contact PM/client to request name.*	X			
COC/bottle labels complete & in agreement				
•Sample location				
•Date and time of sample collection				
•Type(s) of preservation				
•Number of containers				
•Composite or grab				
•Matrix				
Proper containers, preservation, and volume per method				
Received within hold time				
Containers intact	X			
Trip blanks present (EPA 504, EPA 524)			X	
Field blanks present (Hg 1631, PFAS)				
NJ ≤ 4 Days				
CR6 Samples Filtered				
OP Samples Filtered				
WV Containers 0-6°C				
SDWA compliance reporting			X	

[1] *If No, provide comment*

Rad Screen (uCi) —

PM - PM to contact client
N/A - Not Applicable
UC - Updated coc with missing information

Review Comments:

Main Site: 301 Fulling Mill Road | Middletown, PA 17057 | Phone: 717-944-5541 | www.alsglobal.com
Associated Site: 20 Riverside Drive | Spring City, PA 19475 | Phone: 610-948-4903 |

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: PJLA 74618
State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343, NJ PA101

Analytical Results Report For

Synagro Technologies

Project	Monthly Rush MO,SE Pellet 5Day
Workorder	3419406
Report ID	429884 on 6/18/2025

Certificate of Analysis

Enclosed are the analytical results for samples received by the laboratory on Jun 06, 2025.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Jessica Smith (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

ALS Middletown: 301 Fulling Mill Road, Middletown, PA 17057 : 717-944-5541.

Recipient(s):
- Lisa Callan - Synagro
- Chris Thornton - Synagro Technologies
- Derrick Shivar - Synagro Technologies
- Jeff Faust - Synagro
- Accounts Department - Synagro - Philadelphia, Camden
- Sherika Washington - Synagro Technologies
- Tracy Goolsbee - Synagro Technologies
- Tamre Hurt - Synagro Technologies - Philly

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Jessica Smith

Jessica Smith *(ALS Digital Signature)*
Project Coordinator

Sample Summary

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collector	Collection Company
3419406001	Pellet 5 Day Comp	Solid	06/06/2025 07:00	06/06/2025 14:30	CBC	Collected By Client

Reference

Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- Except as qualified, Clean Water Act sample analyses are consistent with methodology requirements in 40 CFR Part 136, including but not limited to the following EPA Method reference revisions:
  EPA 300.1 Rev. 1.0-1997
  EPA 300.0 Rev. 2.1-1993
  EPA 353.2 Rev. 2.0-1993
  EPA 410.4 Rev. 1.0-1993
  EPA 420.4 Rev. 1.0-1993
  EPA 365.1 Rev. 2.0-1993
  EPA 200.7 Rev. 4.4-1994
  EPA 200.8 Rev. 5.4-1994
  EPA 245.1 Rev. 3.0-1994
- Except as qualified, Safe Drinking Water Act sample analyses are consistent with methodology requirements in 40 CFR Part 141.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are preformed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix “S” followed by a method number (such as S2310B-97) refer to methods from “Standard Methods for the Examination of Water and Wastewater”.
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.
- An Analysis-Prep Method Cross Reference Table is included after Analytical Results & Qualifiers section in this report.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND) above the MDL
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Practical Quantitation Limit for this Project
ND	Not Detected - indicates that the analyte was Not Detected
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits
#	Please reference the result in the Results Section for analyte-level flags.

Project Notations

Sample Notations

Lab ID	Sample ID

Result Notations

Notation Ref.

Detected Results Summary

Client Sample ID	Pellet 5 Day Comp	Collected	06/06/2025 07:00
Lab Sample ID	3419406001	Lab Receipt	06/06/2025 14:30

Compound	Result	Units	RDL	Method	Flag
METALS					
Molybdenum, Total	13.2	mg/kg	2.1	SW846 6020A	#
Selenium, Total	5.5	mg/kg	5.4	SW846 6020A	#
WET CHEMISTRY					
Moisture	7.3	%	0.1	S2540G-15	#
Total Solids	92.7	%	0.1	S2540G-15	#

Results

Client Sample ID	Pellet 5 Day Comp	Collected	06/06/2025 07:00
Lab Sample ID	3419406001	Lab Receipt	06/06/2025 14:30

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Molybdenum, Total	13.2		mg/kg	2.1	SW846 6020A	5	06/11/2025 14:38	JMS	A1
Selenium, Total	5.5		mg/kg	5.4	SW846 6020A	5	06/16/2025 11:36	KXH	A1

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	7.3		%	0.1	S2540G-15	1	06/09/2025 21:51	LMD	A
Total Solids	92.7		%	0.1	S2540G-15	1	06/09/2025 21:51	LMD	A

Sample - Method Cross Reference Table

Lab ID	Sample ID	Analysis Method	Preparation Method	Leachate Method
3419406001	Pellet 5 Day Comp	SW846 6020A	SW846 3051A	
		S2540G-15	N/A	

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Lab ID	Sample ID	Preparation Method	Prep Batch	Prep Date/Time	By	Analysis Method	Anly Batch
3419406001	Pellet 5 Day Comp	SW846 3051A	1443205	06/10/2025 11:13	J1K	SW846 6020A	1444252
		SW846 3051A	1443205	06/10/2025 11:13	J1K	SW846 6020A	1443435
		N/A	N/A	N/A		S2540G-15	1443103

3419406

Logged By: SLS
PM: JLS

301 Fulling Mill Rd, Suite A
Middletown, PA 17057
P. 717-944-5541

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

COC #: _____ of _____

ALS Quo.

Client Name: **Synagro -Philly**

Address: 7800 Penrose Ferry Road
Philadelphia, PA 19153

Contact: Chris Thornton
Phone#: (215)365-7690 X132
Proj Name/#: Monthly RUSH MO, SE Pellet 5 day comp
Bill To: Synagro -Philly
Purchase Order #:

TAT [ ] Normal-Standard TAT is 10-12 business days.
[X] Rush-Subject to ALS approval and surcharges.

Date Required: 48HR Approved?
Email? [X] cthornton1@synagro.com

	Container Type	Container Size	Preservative
	G	4oz	None

Orthophosphate Filtered? Yes No Hexavalent Chromium Filtered? Yes No

ANALYSIS / METHOD REQUESTED

	Sample Description/Location (as it will appear on the lab report)	Date Collected mm/dd/yy	Time hh:mm	SDWA Sample Type (see key)	*G or C	**Matrix (See bottom of COC)	MO,SE, Total Solids	48HR TAT'	
	Enter Number of Containers Per Sample or Field Results Below.								
1	Pellet 5 Day Comp 6/1/25-6/5/25 / Pellet Cooler	6/6/25	0700		C	S	1		
2									
3									
4									
5									
6									
7									
8									
9									
10									

Circle Sample Collector: ALS Tech / Client
Name: JUSTIN HOWARD ID: _____

Comments:

Date:	Time		Relinquished By / Company Name		Received By / Company Name
6/6/25	1004	1	/Synagro Philadelphia	2	1004 AIS
6-6-25	1430	3	AIS	4	
		5		6	
		7		8	
		9		10	

* G=Grab; C=Composite **Matrix - A=Air; D=Drinking Water; GW=Groundwater; O=Oil; LW=Liquid Waste; S=Solid/Soil/Sludge; SW=Surface Water; WP=Wipe; WW=Wastewater

ALS SHIPPING ADDRESS: 301 Fulling Mill Road, Suite A, Middletown, PA 17057

Rev 07.06.2023

Receipt Information (completed by Receiving Lab)

Temp Taken By: Therm ID: WO Temp (°C)

Receipt Info completed by:_____ WV Containers 0-6°C Y N NA

Cooler Custody Seals Intact	Y	N	NA	Deviations? NO YES
Sample Custody Seal Intact	Y	N	NA	If YES, list below:
Received on Ice	Y	N	NA	
Coolers & Samples Intact	Y	N		
Correct Containers Provided	Y	N		
Sample Label/COC Agree	Y	N		
Adequate Sample Volumes	Y	N		
VOA only: Trip Blank	Y	N	NA	

NJ ≤ 4 days? Y N
Courier/Tracking #

Client contact:
Date/Tech:

Sample(s) for Radiation testing? Y N Rad Screen (uCi)_____
Reportable SDWA Sample(s)? Y N New Source? Y N
SDWA State of Origin?_____ New Source Contact:
PWSID #__
PWS Contact:_____ PWS Phone #:_____

SDWA Sample Type Key: D=Distribution E=Entry Point R=Raw P=Plant C=Check S=Special A=Annual Startup

Sample/COC Remarks

Sample shipped on ice

MO, SE, TS ONLY - 48HR RUSH

Contains Short Hold Testing YES NO

Internal Use: If less than 48 hours - notify lab upon receipt

Data Deliverables: [X] Standard Lvl 1 [ ] Standard Lvl 2 [ ] Standard Lvl 3 [ ] Standard Lvl 4 [ ] CLP-like [ ] DOD [ ] NJ RED [ ] NJ Full [ ] HSCA [ ] Landfill [ ] NJ GW [ ] _____

EDDs: [ ] Excel Summary [ ] Equis [ ] Custom

Sample Disposal: Lab [X] Special [ ]

EDDS: Format Type _____

State Samples Collected In: [ ] NY [ ] NJ [X] PA [ ] WV [ ] FL ____ other

Middletown Sample Condition Form

Client Synagro Workorder 34194406

Temp °C 1 Therm ID 569 Ice? (Y) N N/A Initials & Date MP 6/6/25

Fedex UPS Client (ALS) Other Tracking # _____

	Yes	No[1]	N/A	Comments
Cooler Custody Seals present & intact			✓	
Sample Custody Seals present & intact			✓	
Chain-of-Custody present	✓			
Sample collector name present *If not present, must contact PM/client to request name.*	✓			
COC/bottle labels complete & in agreement	↓			
•Sample location				
•Date and time of sample collection				
•Type(s) of preservation				
•Number of containers				
•Composite or grab				
•Matrix				
Proper containers, preservation, and volume per method				
Received within hold time				
Containers intact	↓			
Trip blanks present (EPA 504, EPA 524)			✓	
Field blanks present (Hg 1631, PFAS)			↓	
NJ ≤ 4 Days				
CR6 Samples Filtered				
OP Samples Filtered				
WV Containers 0-6˚C				
SDWA compliance reporting			↓	

[1] *If No, provide comment*

Rad Screen (uCi) _____

PM - PM to contact client
N/A - Not Applicable
UC - Updated coc with missing information

Review Comments:

_____

_____

_____

Main Site: 301 Fulling Mill Road | Middletown, PA 17057 | Phone: 717-944-5541 | www.alsglobal.com
Associated Site: 20 Riverside Drive | Spring City, PA 19475 | Phone: 610-948-4903 |

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: PJLA 74618
State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343, NJ PA101

Analytical Results Report For

Synagro Technologies

Project	Monthly Syn-Bio 5 day Comp Pel
Workorder	3424047
Report ID	442038 on 7/24/2025

Certificate of Analysis

Enclosed are the analytical results for samples received by the laboratory on Jul 06, 2025.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Jessica Smith (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

ALS Middletown: 301 Fulling Mill Road, Middletown, PA 17057 : 717-944-5541.

Recipient(s):
- Lisa Callan - Synagro
- Chris Thornton - Synagro Technologies
- Derrick Shivar - Synagro Technologies
- Jeff Faust - Synagro
- Accounts Department - Synagro - Philadelphia, Camden
- Sherika Washington - Synagro Technologies
- Tracy Goolsbee - Synagro Technologies
- Tamre Hurt - Synagro Technologies - Philly

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Jessica Smith

Jessica Smith *(ALS Digital Signature)*
Project Coordinator

Sample Summary

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collector	Collection Company
3424047001	Pellet 5 Day comp 7/1/25-7/5/2	Solid	07/06/2025 09:00	07/06/2025 13:05	CBC	Collected By Client

Reference

Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- Except as qualified, Clean Water Act sample analyses are consistent with methodology requirements in 40 CFR Part 136, including but not limited to the following EPA Method reference revisions:
  EPA 300.1 Rev. 1.0-1997
  EPA 300.0 Rev. 2.1-1993
  EPA 353.2 Rev. 2.0-1993
  EPA 410.4 Rev. 1.0-1993
  EPA 420.4 Rev. 1.0-1993
  EPA 365.1 Rev. 2.0-1993
  EPA 200.7 Rev. 4.4-1994
  EPA 200.8 Rev. 5.4-1994
  EPA 245.1 Rev. 3.0-1994
- Except as qualified, Safe Drinking Water Act sample analyses are consistent with methodology requirements in 40 CFR Part 141.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are preformed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix “S” followed by a method number (such as S2310B-97) refer to methods from “Standard Methods for the Examination of Water and Wastewater”.
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.
- An Analysis-Prep Method Cross Reference Table is included after Analytical Results & Qualifiers section in this report.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND) above the MDL
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Practical Quantitation Limit for this Project
ND	Not Detected - indicates that the analyte was Not Detected
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits
#	Please reference the result in the Results Section for analyte-level flags.

Project Notations

Sample Notations

Lab ID	Sample ID

Result Notations

Notation Ref.	
1	The Total Alkalinity is titrated to a pH of 4.5 and reported as mg CaCO3/Kg.
2	The QC sample type MSD for method EPA 300.0 was outside the control limits for the analyte Chloride. The % Recovery was reported as 59.4 and the control limits were 80 to 120.
3	This sample was analyzed at a temperature of 23.5 degrees Celsius.
4	The corrosivity analysis is an "analyze immediately" analysis. Parameters identified as "analyze immediately" require analysis within 15 minutes of collection, and are therefore analyzed outside of the method holding time when analyzed in the laboratory.
5	The lack of homogeneity in the sample caused the replicate analysis of this analyte to exceed the established control limits for precision.

Detected Results Summary

Client Sample ID	Pellet 5 Day comp 7/1/25-7/5/2	Collected	07/06/2025 09:00
Lab Sample ID	3424047001	Lab Receipt	07/06/2025 13:05

Compound	Result	Units	RDL	Method	Flag
METALS					
Aluminum, Total	6070	mg/kg	92.9	SW846 6010C	#
Arsenic, Total	21.2	mg/kg	18.6	SW846 6010C	#
Calcium, Total	15500	mg/kg	92.9	SW846 6010C	#
Chromium, Total	87.4	mg/kg	9.3	SW846 6010C	#
Copper, Total	471	mg/kg	18.6	SW846 6010C	#
Iron, Total	110000	mg/kg	92.9	SW846 6010C	#
Lead, Total	86.9	mg/kg	18.6	SW846 6010C	#
Magnesium, Total	4310	mg/kg	92.9	SW846 6010C	#
Manganese, Total	1060	mg/kg	9.3	SW846 6010C	#
Mercury, Total	0.45	mg/kg	0.050	SW846 7471B	#
Nickel, Total	25.7	mg/kg	18.6	SW846 6010C	#
Potassium, Total	1260	mg/kg	464	SW846 6010C	#
Sulfur	10800	mg/kg	92.9	SW846 6010C	#
Zinc, Total	1280	mg/kg	18.6	SW846 6010C	#
WET CHEMISTRY					
Alkalinity, Total	1530	mg/kg	54	SM2320B-2011	#
Ammonia-nitrogen, Total	1010	mg/kg	108	ASTM D6919-17	#
Chloride	422	mg/kg	52.0	EPA 300.0	#
Corrosivity as pH	6.93	pH_Units		SW846 9045D	#
Cyanide, Total	6.5	mg/kg	0.28	SW846 9012B	#
Moisture	8.2	%	0.1	S2540G-15	#
Phosphorus, Total	29600	mg/kg	1070	EPA 365.1	#
Solids, Total Volatile	51.8	%	1.0	S2540G-15	#
Tot. Kjeldahl Nitrogen,(Moist)	15500	mg/kg	185	S4500NH3G-11	#
Total Kjeldahl Nitrogen	16800	mg/kg	202	S4500NH3G-11	#
Total Solids	91.8	%	0.1	S2540G-15	#

Results

Client Sample ID	Pellet 5 Day comp 7/1/25-7/5/2	Collected	07/06/2025 09:00
Lab Sample ID	3424047001	Lab Receipt	07/06/2025 13:05

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Aluminum, Total	6070		mg/kg	92.9	SW846 6010C	5	07/17/2025 19:33	MSY	A1
Arsenic, Total	21.2		mg/kg	18.6	SW846 6010C	5	07/17/2025 19:33	MSY	A1
Boron, Total	ND	ND	mg/kg	92.9	SW846 6010C	5	07/17/2025 19:33	MSY	A1
Cadmium, Total	ND	ND	mg/kg	4.6	SW846 6010C	5	07/17/2025 19:33	MSY	A1
Calcium, Total	15500		mg/kg	92.9	SW846 6010C	5	07/17/2025 19:33	MSY	A1
Chromium, Total	87.4		mg/kg	9.3	SW846 6010C	5	07/17/2025 19:33	MSY	A1
Copper, Total	471		mg/kg	18.6	SW846 6010C	5	07/17/2025 19:33	MSY	A1
Iron, Total	110000		mg/kg	92.9	SW846 6010C	5	07/17/2025 19:33	MSY	A1
Lead, Total	86.9		mg/kg	18.6	SW846 6010C	5	07/17/2025 19:33	MSY	A1
Magnesium, Total	4310		mg/kg	92.9	SW846 6010C	5	07/17/2025 19:33	MSY	A1
Manganese, Total	1060		mg/kg	9.3	SW846 6010C	5	07/17/2025 19:33	MSY	A1
Mercury, Total	0.45		mg/kg	0.050	SW846 7471B	1	07/22/2025 11:06	JMS	A
Nickel, Total	25.7		mg/kg	18.6	SW846 6010C	5	07/17/2025 19:33	MSY	A1
Potassium, Total	1260		mg/kg	464	SW846 6010C	5	07/17/2025 19:33	MSY	A1
Silver, Total	ND	ND	mg/kg	4.6	SW846 6010C	5	07/17/2025 19:33	MSY	A1
Sodium, Total	ND	ND	mg/kg	464	SW846 6010C	5	07/17/2025 19:33	MSY	A1
Sulfur	10800		mg/kg	92.9	SW846 6010C	5	07/17/2025 19:33	MSY	A1
Zinc, Total	1280		mg/kg	18.6	SW846 6010C	5	07/17/2025 19:33	MSY	A1

PCBs

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Aroclor-1016	ND	ND	mg/kg	0.30	SW846 8082A	5	07/09/2025 20:17	DXL	A
Aroclor-1221	ND	ND	mg/kg	0.30	SW846 8082A	5	07/09/2025 20:17	DXL	A
Aroclor-1232	ND	ND	mg/kg	0.30	SW846 8082A	5	07/09/2025 20:17	DXL	A
Aroclor-1242	ND	ND	mg/kg	0.30	SW846 8082A	5	07/09/2025 20:17	DXL	A
Aroclor-1248	ND	ND	mg/kg	0.30	SW846 8082A	5	07/09/2025 20:17	DXL	A
Aroclor-1254	ND	ND	mg/kg	0.30	SW846 8082A	5	07/09/2025 20:17	DXL	A
Aroclor-1260	ND	ND	mg/kg	0.30	SW846 8082A	5	07/09/2025 20:17	DXL	A
Total Polychlorinated Biphenyl	ND	ND	mg/kg	0.30	SW846 8082A	5	07/09/2025 20:17	DXL	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
Decachlorobiphenyl	2051-24-3	66.5%	49 – 115	07/09/2025 20:17	
Tetrachloro-m-xylene	877-09-8	82.2%	27 – 137	07/09/2025 20:17	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Total	1530	1	mg/kg	54	SM2320B-2011	1	07/17/2025 11:57	JXK	A
Ammonia-nitrogen, Total	1010		mg/kg	108	ASTM D6919-17	100	07/11/2025 13:01	GMM	
Chloride	422	2	mg/kg	52.0	EPA 300.0	5	07/08/2025 00:32	J1W	A
Corrosivity as pH	6.93	3,4	pH_Units		SW846 9045D	1	07/07/2025 14:00	MYM	A
Cyanide, Total	6.5	5	mg/kg	0.28	SW846 9012B	1	07/10/2025 18:00	GED	A
Moisture	8.2		%	0.1	S2540G-15	1	07/09/2025 22:25	LMD	A

Results

Client Sample ID	Pellet 5 Day comp 7/1/25-7/5/2	Collected	07/06/2025 09:00
Lab Sample ID	3424047001	Lab Receipt	07/06/2025 13:05

WET CHEMISTRY (cont.)

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Nitrate/Nitrite-N	ND	ND	mg/kg	5.2	EPA 300.0	5	07/08/2025 00:32	J1W	A
Phosphorus, Total	29600		mg/kg	1070	EPA 365.1	100	07/22/2025 19:20	ZEB	A
Solids, Total Volatile	51.8		%	1.0	S2540G-15	1	07/11/2025 13:35	LMD	A
Tot. Kjeldahl Nitrogen,(Moist)	15500		mg/kg	185	S4500NH3G-11	1	07/14/2025 12:02	ELA	A
Total Kjeldahl Nitrogen	16800		mg/kg	202	S4500NH3G-11	1	07/11/2025 12:48	ELA	A
Total Solids	91.8		%	0.1	S2540G-15	1	07/09/2025 22:25	LMD	A

Sample - Method Cross Reference Table

Lab ID	Sample ID	Analysis Method	Preparation Method	Leachate Method
3424047001	Pellet 5 Day comp 7/1/25-7/5/2	SW846 6010C	SW846 3051A	
		SW846 7471B	SW846 7471B	
		SW846 8082A	SW846 3546	
		ASTM D6919-17	In House	
		EPA 300.0	EPA 300.0	
		EPA 365.1	EPA 365.1	
		S2540G-15	N/A	
		S2540G-15	N/A	
		S4500NH3G-11	S4500-NorgB-11	
		SM2320B-2011	N/A	
		SW846 9012B	SW846 9012B	
		SW846 9045D	N/A	

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Lab ID	Sample ID	Preparation Method	Prep Batch	Prep Date/Time	By	Analysis Method	Anly Batch
3424047001	Pellet 5 Day comp 7/1/25-7/5/2	SW846 3051A	1453492	07/16/2025 08:49	J1K	SW846 6010C	1454114
		SW846 7471B	1454445	07/21/2025 14:50	JMS	SW846 7471B	1455490
		SW846 3546	1451817	07/09/2025 01:20	J1H	SW846 8082A	1452138
		In House	1451971	07/10/2025 14:45	GMM	ASTM D6919-17	1452670
		EPA 300.0	1451375	07/07/2025 13:50	J1W	EPA 300.0	1451428
		EPA 365.1	1455138	07/21/2025 13:55	ZEB	EPA 365.1	1455108
		N/A	N/A	N/A		S2540G-15	1452145
		N/A	N/A	N/A		S2540G-15	1452705
		S4500-NorgB-11	1452200	07/10/2025 09:57	ELA	S4500NH3G-11	1453358
		S4500-NorgB-11	1452200	07/10/2025 09:57	ELA	S4500NH3G-11	1453366
		N/A	N/A	N/A		SM2320B-2011	1452340
		SW846 9012B	1452011	07/09/2025 14:58	GED	SW846 9012B	1452463
		N/A	N/A	N/A		SW846 9045D	1451372

3424047
Logged By: GRD
PM: JLS

301 Fulling Mill Rd, Suite A
Middletown, PA 17057
P. 717-944-5541

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

COC #:

ALS Quote #:

of

Client Name: Synagro -Philly

Address: 7800 Penrose Ferry Road
Philadelphia, PA 19153

Contact: Chris Thornton

Phone#:(215)365-7690 X132

Proj Name/#:Monthly Syn-Bio 5 Day Comp Pellets

Bill To:Synagro -Philly

Purchase Order #:

TAT [X] Normal-Standard TAT is 10-12 business days.
[ ] Rush-Subject to ALS approval and surcharges.

Date Required: Approved?

Email? [X] cthornton1@synagro.com

	Container Type	G	G									
	Container Size	4oz	16oz									
	Preservative	None	None									

Orthophosphate Filtered? Yes No Hexavalent Chromium Yes No

ANALYSIS / METHOD REQUESTED

	Sample Description/Location (as it will appear on the lab report)	Date Collected mm/dd/yy	Time hh:mm	SDWA Sample Type (see key)	*G or C	**Matrix (See bottom of COC)	PCB	NO2, NO3, Chloride, Total Cyanide, %TS, TVS	Corrosivity, Total Alkalinty, Amm, Phos, TKN	Metals: AL, CU, AG, FE, K, MG, MN, NA, S, ZN, AS, CD, CR, PB, NI, CA, B, HG						
				Enter Number of Containers Per Sample or Field Results Below.												
1	Pellet 5 day Comp- 7/1/25-7/2/25 / Pellet Cooler	7/6/25	0900		C	S	1	1	X	X						
2																
3																
4																
5																
6																
7																
8																
9																
10																

Circle Sample Collector: ALS Tech / Client

Name: Justin Rolands ID:

Comments:

Date:	Time		Relinquished By / Company Name		Received By / Company Name
7/6/25	0900	2		2	7.6.25 1030 @ ALS
7.6.25	1307	3	/Synagro Philadelphia	4	
		5		6	
		7		8	
		9		10	

Receipt Information (completed by Receiving Lab)

Temp Taken By: Therm ID: WO Temp (°C) 2

Receipt Info completed by:_____ WV Containers 0-6°C Y N NA

Cooler Custody Seals Intact	Y	N	NA	Deviations? NO YES
Sample Custody Seal Intact	Y	N	NA	If YES, list below:
Received on Ice	Y	N	NA	
Coolers & Samples Intact	Y	N		
Correct Containers Provided	Y	N		
Sample Label/COC Agree	Y	N		
Adequate Sample Volumes	Y	N		
VOA only: Trip Blank	Y	N	NA	

NJ ≤ 4 days? Y N

Courier/Tracking #

Client contact:

Date/Tech:

Sample(s) for Radiation testing? Y N Rad Screen (uCi)_____

Reportable SDWA Sample(s)? Y N New Source? Y N

SDWA State of Origin?_____ New Source Contact:

PWSID #__

PWS Contact:_____ PWS Phone #:_____

SDWA Sample Type Key: D=Distribution E=Entry Point
R=Raw P=Plant C=Check S=Special A=Annual Startup

Sample/COC Remarks

Samples shipped on ice

AL,CU,AG,FE,K,MG,MN,NA,S,ZN,AS,CD,CR,PB,NI,CA,B,HG

Contains Short Hold Testing YES NO

Internal Use: If less than 48 hours - notify lab upon receipt

Data Deliverables

[X]	Standard Lvl 1	[ ]	CLP-like	[ ]	HSCA
[ ]	Standard Lvl 2	[ ]	DOD	[ ]	Landfill
[ ]	Standard Lvl 3	[ ]	NJ RED	[ ]	NJ GW
[ ]	Standard Lvl 4	[ ]	NJ Full	[ ]	_____

EDDs

[ ]	Excel Summary	Sample Disposal			
[ ]	Equis	Lab	[X]		
[ ]	Custom	Special	[ ]		

EDDS: Format Type

State Samples Collected In

[ ]	NY	[ ]	NJ
[X]	PA	[ ]	WV
[ ]	FL	____	other

* G=Grab; C=Composite **Matrix - A=Air; D=Drinking Water; GW=Groundwater; O=Oil; LW=Liquid Waste; S=Solid/Soil/Sludge; SW=Surface Water; WP=Wipe; WW=Wastewater

ALS SHIPPING ADDRESS: 301 Fulling Mill Road, Suite A, Middletown, PA 17057

Rev 07.06.2023

Middletown Sample Condition Form

Client Synagro Workorder 3424047

Temp °C 2 Therm ID 352 Ice? (Y) N N/A Initials & Date GRD 7/24/25

Fedex UPS Client (ALS) Other Tracking # —

	Yes	No[1]	N/A	Comments
Cooler Custody Seals present & intact			X	
Sample Custody Seals present & intact			X	
Chain-of-Custody present	X			
Sample collector name present *If not present, must contact PM/client to request name.*	X			
COC/bottle labels complete & in agreement				
•Sample location				
•Date and time of sample collection				
•Type(s) of preservation				
•Number of containers				
•Composite or grab				
•Matrix				
Proper containers, preservation, and volume per method				
Received within hold time				
Containers intact	X			
Trip blanks present (EPA 504, EPA 524)			X	
Field blanks present (Hg 1631, PFAS)				
NJ ≤ 4 Days				
CR6 Samples Filtered				
OP Samples Filtered				
WV Containers 0-6°C				
SDWA compliance reporting			X	

[1] *If No, provide comment*

Rad Screen (uCi) —

PM - PM to contact client
N/A - Not Applicable
UC - Updated coc with missing information

Review Comments:

_____

_____

_____

Main Site: 301 Fulling Mill Road | Middletown, PA 17057 | Phone: 717-944-5541 | www.alsglobal.com
Associated Site: 20 Riverside Drive | Spring City, PA 19475 | Phone: 610-948-4903 |

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: PJLA 74618
State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343, NJ PA101

Analytical Results Report For

Synagro Technologies

Project Fecal Coliform Pellet Cooler
Workorder 3424028
Report ID 439525 on 7/16/2025

Certificate of Analysis

Enclosed are the analytical results for samples received by the laboratory on Jul 06, 2025.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Jessica Smith (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

ALS Middletown: 301 Fulling Mill Road, Middletown, PA 17057 : 717-944-5541.

Recipient(s):
- Lisa Callan - Synagro
- Chris Thornton - Synagro Technologies
- Derrick Shivar - Synagro Technologies
- Jeff Faust - Synagro
- Accounts Department - Synagro - Philadelphia, Camden
- Sherika Washington - Synagro Technologies
- Tracy Goolsbee - Synagro Technologies
- Tamre Hurt - Synagro Technologies - Philly

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Jessica Smith

Jessica Smith *(ALS Digital Signature)*
Project Coordinator

Sample Summary

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collector	Collection Company
3424028001	Pellet Cooler T1 Sample 1	Solid	07/06/2025 09:00	07/06/2025 13:05	CBC	Collected By Client
3424028002	Pellet Cooler T1 Sample 2	Solid	07/06/2025 09:15	07/06/2025 13:05	CBC	Collected By Client
3424028003	Pellet Cooler T1 Sample 3	Solid	07/06/2025 09:30	07/06/2025 13:05	CBC	Collected By Client
3424028004	Pellet Cooler T1 Sample 4	Solid	07/06/2025 09:45	07/06/2025 13:05	CBC	Collected By Client
3424028005	Pellet Cooler T1 Sample 5	Solid	07/06/2025 10:00	07/06/2025 13:05	CBC	Collected By Client
3424028006	Pellet Cooler T1 Sample 6	Solid	07/06/2025 10:15	07/06/2025 13:05	CBC	Collected By Client
3424028007	Pellet Cooler T1 Sample 7	Solid	07/06/2025 10:30	07/06/2025 13:05	CBC	Collected By Client

Reference

Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- Except as qualified, Clean Water Act sample analyses are consistent with methodology requirements in 40 CFR Part 136, including but not limited to the following EPA Method reference revisions:
  EPA 300.1 Rev. 1.0-1997
  EPA 300.0 Rev. 2.1-1993
  EPA 353.2 Rev. 2.0-1993
  EPA 410.4 Rev. 1.0-1993
  EPA 420.4 Rev. 1.0-1993
  EPA 365.1 Rev. 2.0-1993
  EPA 200.7 Rev. 4.4-1994
  EPA 200.8 Rev. 5.4-1994
  EPA 245.1 Rev. 3.0-1994
- Except as qualified, Safe Drinking Water Act sample analyses are consistent with methodology requirements in 40 CFR Part 141.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are preformed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix “S” followed by a method number (such as S2310B-97) refer to methods from “Standard Methods for the Examination of Water and Wastewater”.
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.
- An Analysis-Prep Method Cross Reference Table is included after Analytical Results & Qualifiers section in this report.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND) above the MDL
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Practical Quantitation Limit for this Project
ND	Not Detected - indicates that the analyte was Not Detected
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits
#	Please reference the result in the Results Section for analyte-level flags.

Project Notations

Sample Notations

Lab ID	Sample ID

Result Notations

Notation Ref.

Detected Results Summary

Client Sample ID	Pellet Cooler T1 Sample 1	Collected	07/06/2025 09:00
Lab Sample ID	3424028001	Lab Receipt	07/06/2025 13:05

Compound	Result	Units	RDL	Method	Flag
WET CHEMISTRY					
Moisture	5.5	%		In-House	#
Total Solids	94.5	%		In-House	#

Detected Results Summary

Client Sample ID	Pellet Cooler T1 Sample 2	Collected	07/06/2025 09:15
Lab Sample ID	3424028002	Lab Receipt	07/06/2025 13:05

Compound	Result	Units	RDL	Method	Flag
WET CHEMISTRY					
Moisture	5.7	%		In-House	#
Total Solids	94.3	%		In-House	#

Detected Results Summary

Client Sample ID	Pellet Cooler T1 Sample 3	Collected	07/06/2025 09:30
Lab Sample ID	3424028003	Lab Receipt	07/06/2025 13:05

Compound	Result	Units	RDL	Method	Flag
WET CHEMISTRY					
Moisture	5.6	%		In-House	#
Total Solids	94.4	%		In-House	#

Detected Results Summary

Client Sample ID	Pellet Cooler T1 Sample 4	Collected	07/06/2025 09:45
Lab Sample ID	3424028004	Lab Receipt	07/06/2025 13:05

Compound	Result	Units	RDL	Method	Flag
WET CHEMISTRY					
Moisture	5.6	%		In-House	#
Total Solids	94.4	%		In-House	#

Detected Results Summary

Client Sample ID	Pellet Cooler T1 Sample 5	Collected	07/06/2025 10:00
Lab Sample ID	3424028005	Lab Receipt	07/06/2025 13:05

Compound	Result	Units	RDL	Method	Flag
WET CHEMISTRY					
Moisture	5.7	%		In-House	#
Total Solids	94.3	%		In-House	#

Detected Results Summary

Client Sample ID	Pellet Cooler T1 Sample 6	Collected	07/06/2025 10:15
Lab Sample ID	3424028006	Lab Receipt	07/06/2025 13:05

Compound	Result	Units	RDL	Method	Flag
WET CHEMISTRY					
Moisture	5.6	%		In-House	#
Total Solids	94.4	%		In-House	#

Detected Results Summary

Client Sample ID	Pellet Cooler T1 Sample 7	Collected	07/06/2025 10:30
Lab Sample ID	3424028007	Lab Receipt	07/06/2025 13:05

Compound	Result	Units	RDL	Method	Flag
WET CHEMISTRY					
Moisture	5.8	%		In-House	#
Total Solids	94.2	%		In-House	#

Results

Client Sample ID	Pellet Cooler T1 Sample 1	Collected	07/06/2025 09:00
Lab Sample ID	3424028001	Lab Receipt	07/06/2025 13:05

MICROBIOLOGY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Fecal Coliforms	ND	ND	MPN/gram	2	EPA 1680	1	07/08/2025 15:55	CXA	A

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	5.5		%		In-House	1	07/11/2025 16:42	LMD	A
Total Solids	94.5		%		In-House	1	07/11/2025 16:42	LMD	A

Results

Client Sample ID	Pellet Cooler T1 Sample 2	Collected	07/06/2025 09:15
Lab Sample ID	3424028002	Lab Receipt	07/06/2025 13:05

MICROBIOLOGY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Fecal Coliforms	ND	ND	MPN/gram	2	EPA 1680	1	07/08/2025 15:55	CXA	A

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	5.7		%		In-House	1	07/11/2025 16:42	LMD	A
Total Solids	94.3		%		In-House	1	07/11/2025 16:42	LMD	A

Results

Client Sample ID	Pellet Cooler T1 Sample 3	Collected	07/06/2025 09:30
Lab Sample ID	3424028003	Lab Receipt	07/06/2025 13:05

MICROBIOLOGY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Fecal Coliforms	ND	ND	MPN/gram	2	EPA 1680	1	07/08/2025 15:55	CXA	A

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	5.6		%		In-House	1	07/11/2025 16:42	LMD	A
Total Solids	94.4		%		In-House	1	07/11/2025 16:42	LMD	A

Results

Client Sample ID	Pellet Cooler T1 Sample 4	Collected	07/06/2025 09:45
Lab Sample ID	3424028004	Lab Receipt	07/06/2025 13:05

MICROBIOLOGY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Fecal Coliforms	ND	ND	MPN/gram	2	EPA 1680	1	07/08/2025 15:55	CXA	A

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	5.6		%		In-House	1	07/11/2025 16:42	LMD	A
Total Solids	94.4		%		In-House	1	07/11/2025 16:42	LMD	A

Results

Client Sample ID	Pellet Cooler T1 Sample 5	Collected	07/06/2025 10:00
Lab Sample ID	3424028005	Lab Receipt	07/06/2025 13:05

MICROBIOLOGY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Fecal Coliforms	ND	ND	MPN/gram	2	EPA 1680	1	07/08/2025 15:55	CXA	A

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	5.7		%		In-House	1	07/11/2025 16:42	LMD	A
Total Solids	94.3		%		In-House	1	07/11/2025 16:42	LMD	A

Results

Client Sample ID	Pellet Cooler T1 Sample 6	Collected	07/06/2025 10:15
Lab Sample ID	3424028006	Lab Receipt	07/06/2025 13:05

MICROBIOLOGY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Fecal Coliforms	ND	ND	MPN/gram	2	EPA 1680	1	07/08/2025 15:55	CXA	A

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	5.6		%		In-House	1	07/11/2025 16:42	LMD	A
Total Solids	94.4		%		In-House	1	07/11/2025 16:42	LMD	A

Results

Client Sample ID	Pellet Cooler T1 Sample 7	Collected	07/06/2025 10:30
Lab Sample ID	3424028007	Lab Receipt	07/06/2025 13:05

MICROBIOLOGY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Fecal Coliforms	ND	ND	MPN/gram	2	EPA 1680	1	07/08/2025 15:55	CXA	A

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	5.8		%		In-House	1	07/11/2025 16:42	LMD	A
Total Solids	94.2		%		In-House	1	07/11/2025 16:42	LMD	A

Sample - Method Cross Reference Table

Lab ID	Sample ID	Analysis Method	Preparation Method	Leachate Method
3424028001	Pellet Cooler T1 Sample 1	EPA 1680	EPA 1680	
		In-House	N/A	
3424028002	Pellet Cooler T1 Sample 2	EPA 1680	EPA 1680	
		In-House	N/A	
3424028003	Pellet Cooler T1 Sample 3	EPA 1680	EPA 1680	
		In-House	N/A	
3424028004	Pellet Cooler T1 Sample 4	EPA 1680	EPA 1680	
		In-House	N/A	
3424028005	Pellet Cooler T1 Sample 5	EPA 1680	EPA 1680	
		In-House	N/A	
3424028006	Pellet Cooler T1 Sample 6	EPA 1680	EPA 1680	
		In-House	N/A	
3424028007	Pellet Cooler T1 Sample 7	EPA 1680	EPA 1680	
		In-House	N/A	

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Lab ID	Sample ID	Preparation Method	Prep Batch	Prep Date/Time	By	Analysis Method	Anly Batch
3424028001	Pellet Cooler T1 Sample 1	EPA 1680 N/A	1452158 N/A	07/06/2025 17:00 N/A	CXA	EPA 1680 In-House	1452159 1452217
3424028002	Pellet Cooler T1 Sample 2	EPA 1680 N/A	1452158 N/A	07/06/2025 17:00 N/A	CXA	EPA 1680 In-House	1452159 1452217
3424028003	Pellet Cooler T1 Sample 3	EPA 1680 N/A	1452158 N/A	07/06/2025 17:00 N/A	CXA	EPA 1680 In-House	1452159 1452217
3424028004	Pellet Cooler T1 Sample 4	EPA 1680 N/A	1452158 N/A	07/06/2025 17:45 N/A	CXA	EPA 1680 In-House	1452159 1452217
3424028005	Pellet Cooler T1 Sample 5	EPA 1680 N/A	1452158 N/A	07/06/2025 17:45 N/A	CXA	EPA 1680 In-House	1452159 1452217
3424028006	Pellet Cooler T1 Sample 6	EPA 1680 N/A	1452158 N/A	07/06/2025 17:45 N/A	CXA	EPA 1680 In-House	1452159 1452217
3424028007	Pellet Cooler T1 Sample 7	EPA 1680 N/A	1452158 N/A	07/06/2025 18:02 N/A	CXA	EPA 1680 In-House	1452159 1452217

ALS

301 Fulling Mill Rd, Suite A
Middletown, PA 17057
P. 717-944-5541

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

3424028
Logged By: GRD
PM: JLS

COC #:
ALS Quot
of

Client Name:Synagro -Philly

Address: 7800 Penrose Ferry Road
Philadelphia, PA 19153

Contact:Chris Thornton
Phone#:(215)365-7690 X132
Proj Name/#: Fecal coliform pellet cooler
Bill To:Synagro -Philly
Purchase Order #:

TAT [X] Normal-Standard TAT is 10-12 business days.
[ ] Rush-Subject to ALS approval and surcharges.
Date Required: Approved?
Email? [X] cthornton1@synagro.com

Container Type: P
Container Size: 125mL
Preservative: None

Orthophosphate Filtered? Yes No Hexavalent Chromium Filtered? Yes No

ANALYSIS / METHOD REQUESTED

	Sample Description/Location (as it will appear on the lab report)	Date Collected mm/dd/yy	Time hh:mm	SDWA Sample Type (see key)	*G or C	**Matrix (See bottom of COC)	Fecal Coliform	Total % Solids
							Enter Number o	
1	Pellets Sample 1 / Pellet Cooler T1	7/6/25	0900		G	S	1	x
2	Pellets Sample 2 / Pellet Cooler T1	7/6/25	0915		G	S	1	x
3	Pellets Sample 3 / Pellet Cooler T1	7/6/25	0930		G	S	1	x
4	Pellets Sample 4 / Pellet Cooler T1	7/6/25	0945		G	S	1	x
5	Pellets Sample 5 / Pellet Cooler T1	7/6/25	1000		G	S	1	x
6	Pellets Sample 6 / Pellet Cooler T1	7/6/25	1015		G	S	1	x
7	Pellets Sample 7 / Pellet Cooler T1	7/6/25	1030		G	S	1	x
8								
9								
10								

7062025001

7062025007

Circle Sample Collector: ALS Tech / Client
Name: ID:

Comments:

Date:	Time		Relinquished By / Company Name		Received By / Company Name	
7/6/25		1	/Synagro Philadelphia	2	CCR	7.6.25 1030
7.6.25	1305	3		4		ALS
		5		6		
		7		8		
		9		10		

Receipt Information (completed by Receiving Lab)

Temp Taken By: Therm ID: WO Temp (°C) 3

Receipt Info completed by:_____ WV Containers 0-6°C Y N NA

Cooler Custody Seals Intact	Y	N	NA
Sample Custody Seal Intact	Y	N	NA
Received on Ice	Y	N	NA
Coolers & Samples Intact	Y	N	
Correct Containers Provided	Y	N	
Sample Label/COC Agree	Y	N	
Adequate Sample Volumes	Y	N	
VOA only: Trip Blank	Y	N	NA
NJ ≤ 4 days?	Y	N	

Courier/Tracking #

Deviations? NO YES
If YES, list below:

Client contact:
Date/Tech:

Sample(s) for Radiation testing? Y N Rad Screen (uCi)_____
Reportable SDWA Sample(s)? Y N New Source? Y N
SDWA State of Origin?_____ New Source Contact:
PWSID #__
PWS Contact:_____ PWS Phone #:_____

SDWA Sample Type Key: D=Distribution E=Entry Point
R=Raw P=Plant C=Check S=Special A=Annual Startup

Sample/COC Remarks

Samples shipped on ice

Contains Short Hold Testing YES NO

Internal Use: If less than 48 hours - notify lab upon receipt

Data Deliverables: [X] Standard Lvl 1 [ ] Standard Lvl 2 [ ] Standard Lvl 3 [ ] Standard Lvl 4 [ ] CLP-like [ ] DOD [ ] NJ RED [ ] NJ Full [ ] HSCA [ ] Landfill [ ] NJ GW

EDDs: [ ] Excel Summary [ ] Equis [ ] Custom

Sample Disposal: Lab [X] Special [ ]

EDDS: Format Type

State Samples Collected In: [ ] NY [ ] NJ [X] PA [ ] WV [ ] FL [ ] other

* G=Grab; C=Composite **Matrix - A=Air; D=Drinking Water; GW=Groundwater; O=Oil; LW=Liquid Waste; S=Solid/Soil/Sludge; SW=Surface Water; WP=Wipe; WW=Wastewater

ALS SHIPPING ADDRESS: 301 Fulling Mill Road, Suite A, Middletown, PA 17057

Rev 07.06.2023

Middletown Sample Condition Form

Client Synagro Workorder 34240285

Temp °C 3 Therm ID 362 Ice? (Y) N N/A Initials & Date GRD 7/6/25

Fedex UPS Client (ALS) Other Tracking # —

	Yes	No[1]	N/A	Comments
Cooler Custody Seals present & intact			X	
Sample Custody Seals present & intact	X			
Chain-of-Custody present	X			
Sample collector name present *If not present, must contact PM/client to request name.*		X		PM
COC/bottle labels complete & in agreement	X			
•Sample location				
•Date and time of sample collection				
•Type(s) of preservation				
•Number of containers				
•Composite or grab				
•Matrix				
Proper containers, preservation, and volume per method				
Received within hold time				
Containers intact	X			
Trip blanks present (EPA 504, EPA 524)			X	
Field blanks present (Hg 1631, PFAS)				
NJ ≤ 4 Days				
CR6 Samples Filtered				
OP Samples Filtered				
WV Containers 0-6°C				
SDWA compliance reporting			X	

[1] *If No, provide comment*

Rad Screen (uCi) —

PM - PM to contact client
N/A - Not Applicable
UC - Updated coc with missing information

Review Comments:

22 of 22

7/16/2025 5:06 PM

Main Site: 301 Fulling Mill Road | Middletown, PA 17057 | Phone: 717-944-5541 | www.alsglobal.com
Associated Site: 20 Riverside Drive | Spring City, PA 19475 | Phone: 610-948-4903 |

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: PJLA 74618
State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343, NJ PA101

Analytical Results Report For

Synagro Technologies

Project	Monthly RUSH Mo, Se Pellet 5da
Workorder	3424046
Report ID	439923 on 7/17/2025

Certificate of Analysis

Enclosed are the analytical results for samples received by the laboratory on Jul 06, 2025.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Jessica Smith (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

ALS Middletown: 301 Fulling Mill Road, Middletown, PA 17057 : 717-944-5541.

Recipient(s):
- Lisa Callan - Synagro
- Chris Thornton - Synagro Technologies
- Derrick Shivar - Synagro Technologies
- Jeff Faust - Synagro
- Accounts Department - Synagro - Philadelphia, Camden
- Sherika Washington - Synagro Technologies
- Tracy Goolsbee - Synagro Technologies
- Tamre Hurt - Synagro Technologies - Philly

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Jessica Smith

Jessica Smith *(ALS Digital Signature)*
Project Coordinator

Sample Summary

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collector	Collection Company
3424046001	Pellet 5 Day comp 7/1/25-7/5/2	Solid	07/06/2025 09:00	07/06/2025 13:05	CBC	Collected By Client

Reference

Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- Except as qualified, Clean Water Act sample analyses are consistent with methodology requirements in 40 CFR Part 136, including but not limited to the following EPA Method reference revisions:
  EPA 300.1 Rev. 1.0-1997
  EPA 300.0 Rev. 2.1-1993
  EPA 353.2 Rev. 2.0-1993
  EPA 410.4 Rev. 1.0-1993
  EPA 420.4 Rev. 1.0-1993
  EPA 365.1 Rev. 2.0-1993
  EPA 200.7 Rev. 4.4-1994
  EPA 200.8 Rev. 5.4-1994
  EPA 245.1 Rev. 3.0-1994
- Except as qualified, Safe Drinking Water Act sample analyses are consistent with methodology requirements in 40 CFR Part 141.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are preformed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix “S” followed by a method number (such as S2310B-97) refer to methods from “Standard Methods for the Examination of Water and Wastewater”.
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.
- An Analysis-Prep Method Cross Reference Table is included after Analytical Results & Qualifiers section in this report.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND) above the MDL
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Practical Quantitation Limit for this Project
ND	Not Detected - indicates that the analyte was Not Detected
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits
#	Please reference the result in the Results Section for analyte-level flags.

Project Notations

Sample Notations

Lab ID	Sample ID

Result Notations

Notation Ref.

Detected Results Summary

Client Sample ID	Pellet 5 Day comp 7/1/25-7/5/2	Collected	07/06/2025 09:00
Lab Sample ID	3424046001	Lab Receipt	07/06/2025 13:05

Compound	Result	Units	RDL	Method	Flag
METALS					
Molybdenum, Total	12.3	mg/kg	2.0	SW846 6020A	#
WET CHEMISTRY					
Moisture	7.8	%	0.1	S2540G-15	#
Total Solids	92.2	%	0.1	S2540G-15	#

Results

Client Sample ID	Pellet 5 Day comp 7/1/25-7/5/2	Collected	07/06/2025 09:00
Lab Sample ID	3424046001	Lab Receipt	07/06/2025 13:05

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Molybdenum, Total	12.3		mg/kg	2.0	SW846 6020A	5	07/10/2025 17:41	KXH	A1
Selenium, Total	ND	ND	mg/kg	5.0	SW846 6020A	5	07/10/2025 17:41	KXH	A1

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	7.8		%	0.1	S2540G-15	1	07/09/2025 22:25	LMD	A
Total Solids	92.2		%	0.1	S2540G-15	1	07/09/2025 22:25	LMD	A

Sample - Method Cross Reference Table

Lab ID	Sample ID	Analysis Method	Preparation Method	Leachate Method
3424046001	Pellet 5 Day comp 7/1/25-7/5/2	SW846 6020A	SW846 3051A	
		S2540G-15	N/A	

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Lab ID	Sample ID	Preparation Method	Prep Batch	Prep Date/Time	By	Analysis Method	Anly Batch
3424046001	Pellet 5 Day comp 7/1/25-7/5/2	SW846 3051A	1451466	07/08/2025 12:29	J1K	SW846 6020A	1452310
		N/A	N/A	N/A		S2540G-15	1452145

3424046
Logged By: GRD
PM: JLS

301 Fulling Mill Rd, Suite A
Middletown, PA 17057
P. 717-944-5541

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

COC #: ____ of ____
ALS Quote

Client Name: **Synagro -Philly**

Address: 7800 Penrose Ferry Road
Philadelphia, PA 19153

Contact: Chris Thornton
Phone#: (215)365-7690 X132
Proj Name/#: Monthly RUSH MO, SE Pellet 5 day comp
Bill To: Synagro -Philly
Purchase Order #:

TAT [ ] Normal-Standard TAT is 10-12 business days.
[X] Rush-Subject to ALS approval and surcharges.
Date Required: 48HR Approved?
Email? [X] cthornton1@synagro.com

	Sample Description/Location (as it will appear on the lab report)	Date Collected mm/dd/yy	Time hh:mm	SDWA Sample Type (see key)	*G or C	**Matrix (See bottom of COC)	MO,SE, Total Solids	48HR TAT'								
	Container Type						G									
	Container Size						4oz									
	Preservative						None									
1	Pellet 5 Day Comp-7/25-7/25 Pellet Cooler	7/25	0900		C	S	1									
2																
3																
4																
5																
6																
7																
8																
9																
10																

Orthophosphate Filtered? Yes No Hexavalent Chromium Filtered? Yes No

ANALYSIS / METHOD REQUESTED

Enter Number of Containers Per Sample or Field Results Below.

Circle Sample Collector: ALS Tech / Client
Name: Joshua Woodards ID: ____

Comments:

Date:	Time		Relinquished By / Company Name		Received By / Company Name
7/6/25	0900	1	/Synagro Philadelphia	2	7.6.25 1030 PALS
7.6.25	1305	3		4	
		5		6	
		7		8	
		9		10	

Receipt Information (completed by Receiving Lab)
Temp Taken By: Therm ID: WO Temp (°C) 2
Receipt Info completed by: ____ WV Containers 0-6°C Y N NA
Cooler Custody Seals Intact Y N NA
Sample Custody Seal Intact Y N NA
Received on Ice Y N NA
Coolers & Samples Intact Y N
Correct Containers Provided Y N
Sample Label/COC Agree Y N
Adequate Sample Volumes Y N
VOA only: Trip Blank Y N NA
NJ ≤ 4 days? Y N
Courier/Tracking #
Deviations? NO YES
If YES, list below:
Client contact:
Date/Tech:

Sample(s) for Radiation testing? Y N Rad Screen (uCi)____
Reportable SDWA Sample(s)? Y N New Source? Y N
SDWA State of Origin?____ New Source Contact:
PWSID #__
PWS Contact:____ PWS Phone #:____

SDWA Sample Type Key: D=Distribution E=Entry Point
R=Raw P=Plant C=Check S=Special A=Annual Startup

Sample/COC Remarks

Sample shipped on ice

MO, SE, TS ONLY - 48HR RUSH

Contains Short Hold Testing YES NO

Internal Use: If less than 48 hours - notify lab upon receipt

Data Deliverables: [x] Standard Lvl 1 [ ] Standard Lvl 2 [ ] Standard Lvl 3 [ ] Standard Lvl 4 [ ] CLP-like [ ] DOD [ ] NJ RED [ ] NJ Full [ ] HSCA [ ] Landfill [ ] NJ GW [ ] ____

EDDs: [ ] Excel Summary [ ] Equis [ ] Custom

Sample Disposal: Lab [x] Special [ ]

EDDS: Format Type

State Samples Collected In: [ ] NY [ ] NJ [x] PA [ ] WV [ ] FL ____ other

* G=Grab; C=Composite **Matrix - A=Air; D=Drinking Water; GW=Groundwater; O=Oil; LW=Liquid Waste; S=Solid/Soil/Sludge; SW=Surface Water; WP=Wipe; WW=Wastewater

ALS SHIPPING ADDRESS: 301 Fulling Mill Road, Suite A, Middletown, PA 17057

Rev 07.06.2023

Middletown Sample Condition Form

Client Synagro Workorder 3424046

Temp °C 2 Therm ID 352 Ice? (Y) N N/A Initials & Date GRD 7/16/25

Fedex UPS Client (ALS) Other Tracking # —

	Yes	No[1]	N/A	Comments
Cooler Custody Seals present & intact			X[1]	
Sample Custody Seals present & intact			X	
Chain-of-Custody present	X			
Sample collector name present *If not present, must contact PM/client to request name.*	X			
COC/bottle labels complete & in agreement				
•Sample location				
•Date and time of sample collection				
•Type(s) of preservation				
•Number of containers				
•Composite or grab				
•Matrix				
Proper containers, preservation, and volume per method				
Received within hold time				
Containers intact	X			
Trip blanks present (EPA 504, EPA 524)			X	
Field blanks present (Hg 1631, PFAS)				
NJ ≤ 4 Days				
CR6 Samples Filtered				
OP Samples Filtered				
WV Containers 0-6°C				
SDWA compliance reporting			X	

[1] *If No, provide comment*

Rad Screen (uCi) —

PM - PM to contact client
N/A - Not Applicable
UC - Updated coc with missing information

Review Comments:

10 of 10

7/17/2025 4:23 PM

Main Site: 301 Fulling Mill Road | Middletown, PA 17057 | Phone: 717-944-5541 | www.alsglobal.com
Associated Site: 20 Riverside Drive | Spring City, PA 19475 | Phone: 610-948-4903 |

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: PJLA 74618
State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343, NJ PA101

Analytical Results Report For

Synagro Technologies

Project	Monthly Syn-Bio 5 Day Comp Pel
Workorder	3429343
Report ID	454022 on 8/28/2025

Certificate of Analysis

Enclosed are the analytical results for samples received by the laboratory on Aug 06, 2025.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Jessica Smith (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

ALS Middletown: 301 Fulling Mill Road, Middletown, PA 17057 : 717-944-5541.

Recipient(s):
- Lisa Callan - Synagro
- Chris Thornton - Synagro Technologies
- Derrick Shivar - Synagro Technologies
- Jeff Faust - Synagro
- Accounts Department - Synagro - Philadelphia, Camden
- Sherika Washington - Synagro Technologies
- Tracy Goolsbee - Synagro Technologies
- Tamre Hurt - Synagro Technologies - Philly

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Jessica Smith

Jessica Smith *(ALS Digital Signature)*
Project Coordinator

Sample Summary

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collector	Collection Company
3429343001	Pellet 5 Day Comp 8/1-8/5	Solid	08/06/2025 06:30	08/06/2025 18:49	CBC	Collected By Client

Reference

Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- Except as qualified, Clean Water Act sample analyses are consistent with methodology requirements in 40 CFR Part 136, including but not limited to the following EPA Method reference revisions:
  EPA 300.1 Rev. 1.0-1997
  EPA 300.0 Rev. 2.1-1993
  EPA 353.2 Rev. 2.0-1993
  EPA 410.4 Rev. 1.0-1993
  EPA 420.4 Rev. 1.0-1993
  EPA 365.1 Rev. 2.0-1993
  EPA 200.7 Rev. 4.4-1994
  EPA 200.8 Rev. 5.4-1994
  EPA 245.1 Rev. 3.0-1994
- Except as qualified, Safe Drinking Water Act sample analyses are consistent with methodology requirements in 40 CFR Part 141.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are preformed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix “S” followed by a method number (such as S2310B-97) refer to methods from “Standard Methods for the Examination of Water and Wastewater”.
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.
- An Analysis-Prep Method Cross Reference Table is included after Analytical Results & Qualifiers section in this report.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND) above the MDL
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Practical Quantitation Limit for this Project
ND	Not Detected - indicates that the analyte was Not Detected
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits
#	Please reference the result in the Results Section for analyte-level flags.

Project Notations

Sample Notations

Lab ID	Sample ID

Result Notations

Notation Ref.	
1	The Total Alkalinity is titrated to a pH of 4.5 and reported as mg CaCO3/Kg.
2	The corrosivity analysis is an "analyze immediately" analysis. Parameters identified as "analyze immediately" require analysis within 15 minutes of collection, and are therefore analyzed outside of the method holding time when analyzed in the laboratory.
3	This sample was analyzed at a temperature of 22 degrees Celsius.

Detected Results Summary

Client Sample ID	Pellet 5 Day Comp 8/1-8/5	Collected	08/06/2025 06:30
Lab Sample ID	3429343001	Lab Receipt	08/06/2025 18:49

Compound	Result	Units	RDL	Method	Flag
METALS					
Aluminum, Total	6060	mg/kg	40.9	SW846 6010C	#
Arsenic, Total	13.3	mg/kg	8.2	SW846 6010C	#
Calcium, Total	14200	mg/kg	40.9	SW846 6010C	#
Chromium, Total	89.3	mg/kg	4.1	SW846 6010C	#
Copper, Total	482	mg/kg	8.2	SW846 6010C	#
Iron, Total	109000	mg/kg	40.9	SW846 6010C	#
Lead, Total	101	mg/kg	8.2	SW846 6010C	#
Magnesium, Total	3990	mg/kg	40.9	SW846 6010C	#
Manganese, Total	1080	mg/kg	4.1	SW846 6010C	#
Mercury, Total	0.40	mg/kg	0.050	SW846 7471B	#
Nickel, Total	26.2	mg/kg	8.2	SW846 6010C	#
Potassium, Total	1060	mg/kg	204	SW846 6010C	#
Silver, Total	3.2	mg/kg	2.0	SW846 6010C	#
Sodium, Total	382	mg/kg	204	SW846 6010C	#
Sulfur	11500	mg/kg	40.9	SW846 6010C	#
Zinc, Total	1220	mg/kg	8.2	SW846 6010C	#
WET CHEMISTRY					
Alkalinity, Total	621	mg/kg	54	SM2320B-2011	#
Ammonia-nitrogen, Total	1160	mg/kg	108	ASTM D6919-17	#
Chloride	392	mg/kg	52.5	EPA 300.0	#
Corrosivity as pH	7.38	pH_Units		SW846 9045D	#
Cyanide, Total	6.4	mg/kg	0.27	SW846 9012B	#
Moisture	7.0	%	0.1	S2540G-15	#
Nitrate/Nitrite-N	9.0	mg/kg	5.2	EPA 300.0	#
Phosphorus, Total	27400	mg/kg	1070	EPA 365.1	#
Solids, Total Volatile	49.0	%	1.0	S2540G-15	#
Tot. Kjeldahl Nitrogen,(Moist)	33200	mg/kg	182	S4500NH3G-11	#
Total Kjeldahl Nitrogen	35700	mg/kg	195	S4500NH3G-11	#
Total Solids	93.0	%	0.1	S2540G-15	#

Results

Client Sample ID	Pellet 5 Day Comp 8/1-8/5	Collected	08/06/2025 06:30
Lab Sample ID	3429343001	Lab Receipt	08/06/2025 18:49

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Aluminum, Total	6060		mg/kg	40.9	SW846 6010C	2	08/15/2025 10:08	MSY	A1
Arsenic, Total	13.3		mg/kg	8.2	SW846 6010C	2	08/15/2025 10:08	MSY	A1
Boron, Total	ND	ND	mg/kg	40.9	SW846 6010C	2	08/15/2025 10:08	MSY	A1
Cadmium, Total	ND	ND	mg/kg	2.0	SW846 6010C	2	08/15/2025 10:08	MSY	A1
Calcium, Total	14200		mg/kg	40.9	SW846 6010C	2	08/15/2025 10:08	MSY	A1
Chromium, Total	89.3		mg/kg	4.1	SW846 6010C	2	08/15/2025 10:08	MSY	A1
Copper, Total	482		mg/kg	8.2	SW846 6010C	2	08/15/2025 10:08	MSY	A1
Iron, Total	109000		mg/kg	40.9	SW846 6010C	2	08/15/2025 10:08	MSY	A1
Lead, Total	101		mg/kg	8.2	SW846 6010C	2	08/15/2025 10:08	MSY	A1
Magnesium, Total	3990		mg/kg	40.9	SW846 6010C	2	08/15/2025 10:08	MSY	A1
Manganese, Total	1080		mg/kg	4.1	SW846 6010C	2	08/15/2025 10:08	MSY	A1
Mercury, Total	0.40		mg/kg	0.050	SW846 7471B	1	08/21/2025 15:53	RBP	A
Nickel, Total	26.2		mg/kg	8.2	SW846 6010C	2	08/15/2025 10:08	MSY	A1
Potassium, Total	1060		mg/kg	204	SW846 6010C	2	08/15/2025 10:08	MSY	A1
Silver, Total	3.2		mg/kg	2.0	SW846 6010C	2	08/15/2025 10:08	MSY	A1
Sodium, Total	382		mg/kg	204	SW846 6010C	2	08/15/2025 10:08	MSY	A1
Sulfur	11500		mg/kg	40.9	SW846 6010C	2	08/15/2025 10:08	MSY	A1
Zinc, Total	1220		mg/kg	8.2	SW846 6010C	2	08/15/2025 10:08	MSY	A1

PCBs

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Aroclor-1016	ND	ND	mg/kg	0.17	SW846 8082A	5	08/12/2025 19:05	KJH	A
Aroclor-1221	ND	ND	mg/kg	0.17	SW846 8082A	5	08/12/2025 19:05	KJH	A
Aroclor-1232	ND	ND	mg/kg	0.17	SW846 8082A	5	08/12/2025 19:05	KJH	A
Aroclor-1242	ND	ND	mg/kg	0.17	SW846 8082A	5	08/12/2025 19:05	KJH	A
Aroclor-1248	ND	ND	mg/kg	0.17	SW846 8082A	5	08/12/2025 19:05	KJH	A
Aroclor-1254	ND	ND	mg/kg	0.17	SW846 8082A	5	08/12/2025 19:05	KJH	A
Aroclor-1260	ND	ND	mg/kg	0.17	SW846 8082A	5	08/12/2025 19:05	KJH	A
Total Polychlorinated Biphenyl	ND	ND	mg/kg	0.17	SW846 8082A	5	08/12/2025 19:05	KJH	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
Decachlorobiphenyl	2051-24-3	70.3%	49 – 115	08/12/2025 19:05	
Tetrachloro-m-xylene	877-09-8	70%	27 – 137	08/12/2025 19:05	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Total	621	1	mg/kg	54	SM2320B-2011	1	08/26/2025 09:50	MYM	A
Ammonia-nitrogen, Total	1160		mg/kg	108	ASTM D6919-17	100	08/25/2025 15:30	DMG	
Chloride	392		mg/kg	52.5	EPA 300.0	5	08/11/2025 13:00	J1W	A
Corrosivity as pH	7.38	2,3	pH_Units		SW846 9045D	1	08/07/2025 12:48	KMS	A
Cyanide, Total	6.4		mg/kg	0.27	SW846 9012B	1	08/13/2025 17:00	GED	A
Moisture	7.0		%	0.1	S2540G-15	1	08/12/2025 08:15	MAN	A

Results

Client Sample ID	Pellet 5 Day Comp 8/1-8/5	Collected	08/06/2025 06:30
Lab Sample ID	3429343001	Lab Receipt	08/06/2025 18:49

WET CHEMISTRY (cont.)

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Nitrate/Nitrite-N	9.0		mg/kg	5.2	EPA 300.0	5	08/11/2025 13:00	J1W	A
Phosphorus, Total	27400		mg/kg	1070	EPA 365.1	100	08/12/2025 12:57	AKH	A
Solids, Total Volatile	49.0		%	1.0	S2540G-15	1	08/15/2025 05:50	MAN	A
Tot. Kjeldahl Nitrogen,(Moist)	33200		mg/kg	182	S4500NH3G-11	1	08/14/2025 12:19	ELA	A
Total Kjeldahl Nitrogen	35700		mg/kg	195	S4500NH3G-11	1	08/14/2025 20:06	ELA	A
Total Solids	93.0		%	0.1	S2540G-15	1	08/12/2025 08:15	MAN	A

Sample - Method Cross Reference Table

Lab ID	Sample ID	Analysis Method	Preparation Method	Leachate Method
3429343001	Pellet 5 Day Comp 8/1-8/5	SW846 6010C	SW846 3051A	
		SW846 7471B	SW846 7471B	
		SW846 8082A	SW846 3546	
		ASTM D6919-17	In House	
		EPA 300.0	EPA 300.0	
		EPA 365.1	EPA 365.1	
		S2540G-15	N/A	
		S2540G-15	N/A	
		S4500NH3G-11	S4500-NorgB-11	
		SM2320B-2011	N/A	
		SW846 9012B	SW846 9012B	
		SW846 9045D	N/A	

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Lab ID	Sample ID	Preparation Method	Prep Batch	Prep Date/Time	By	Analysis Method	Anly Batch
3429343001	Pellet 5 Day Comp 8/1-8/5	SW846 3051A	1460424	08/14/2025 09:16	J1K	SW846 6010C	1460815
		SW846 7471B	1461893	08/21/2025 13:36	ZAS	SW846 7471B	1462170
		SW846 3546	1459924	08/12/2025 04:10	J1H	SW846 8082A	1460286
		In House	1461960	08/22/2025 13:55	DMG	ASTM D6919-17	1462145
		EPA 300.0	1459230	08/11/2025 08:39	J1W	EPA 300.0	1459907
		EPA 365.1	1459107	08/12/2025 09:39	AKH	EPA 365.1	1460186
		N/A	N/A	N/A		S2540G-15	1459243
		N/A	N/A	N/A		S2540G-15	1460798
		S4500-NorgB-11	1459977	08/12/2025 08:47	ELA	S4500NH3G-11	
		S4500-NorgB-11	1459977	08/12/2025 08:47	ELA	S4500NH3G-11	1461306
		N/A	N/A	N/A		SM2320B-2011	1463165
		SW846 9012B	1460219	08/12/2025 14:49	GED	SW846 9012B	1460521
		N/A	N/A	N/A		SW846 9045D	1458986

3429343

Logged By: SLS
PM: JLS

COC
ALS ( ) of

301 Fulling Mill Rd, Suite A
Middletown, PA 17057
P. 717-944-5541

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK

Client Name: Synagro -Philly

Address: 7800 Penrose Ferry Road
Philadelphia, PA 19153

Contact: Chris Thornton

Phone#:(215)365-7690 X132

Proj Name/#:Monthly Syn-Bio 5 Day Comp Pellets

Bill To:Synagro -Philly

Purchase Order #:

TAT [X] Normal-Standard TAT is 10-12 business days.
[ ] Rush-Subject to ALS approval and surcharges.

Date Required: Approved?

Email? [X] cthornton1@synagro.com

	Container Type	G	G									
	Container Size	4oz	16oz									
	Preservative	None	None									

Orthophosphate Filtered? Yes No Hexavalent Chromium Yes No

ANALYSIS / METHOD REQUESTED

	Sample Description/Location (as it will appear on the lab report)	Date Collected mm/dd/yy	Time hh:mm	SDWA Sample Type (see key)	*G or C	**Matrix (See bottom of COC)	PCB	NO2, NO3, Chloride, Total Cyanide, %TS, TVS	Corrosivity, Total Alkalinity, Amm, Phos, TKN	Metals: AL, CU, AG, FE, K, MG, MN, NA, S, ZN, AS, CD, CR, PB, NI, CA, B, HG								
							Enter Number of Containers Per Sample or Field Results Below.											
1	Pellet 5 day Comp- 8/1 - 8/5 / Pellet Cooler	8/6/25	0630		C	S	1	1	X	X								
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		

Circle Sample Collector: ALS Tech / Client

Name: Ricky Weiksel ID:

Comments:

Date:	Time		Relinquished By / Company Name		Received By / Company Name
8/6/25	1310	1	/Synagro Philadelphia	2	
8/06/25	1600	3		4	
8/6/25	1849	5	MS	6	MRRS
		7		8	
		9		10	

* G=Grab; C=Composite **Matrix - A=Air; D=Drinking Water; GW=Groundwater; O=Oil; LW=Liquid Waste; S=Solid/Soil/Sludge; SW=Surface Water; WP=Wipe; WW=Wastewater

ALS SHIPPING ADDRESS: 301 Fulling Mill Road, Suite A, Middletown, PA 17057

Rev 07.06.2023

Receipt Information (completed by Receiving Lab)

Temp Taken By: MP Therm ID: 569 WO Temp (°C) 52

Receipt Info completed by: WV Containers 0-6°C Y N NA

Cooler Custody Seals Intact	Y	N	NA	Deviations? NO YES
Sample Custody Seal Intact	Y	N	NA	If YES, list below:
Received on Ice	Y	N	NA	
Coolers & Samples Intact	Y	N		
Correct Containers Provided	Y	N		
Sample Label/COC Agree	Y	N		
Adequate Sample Volumes	Y	N		
VOA only: Trip Blank	Y	N	NA	

NJ ≤ 4 days? Y N

Courier/Tracking #

Client contact:

Date/Tech:

Sample(s) for Radiation testing? Y N Rad Screen (uCi)_____

Reportable SDWA Sample(s)? Y N New Source? Y N

SDWA State of Origin?_____ New Source Contact:

PWSID #__

PWS Contact:_____ PWS Phone #:_____

SDWA Sample Type Key: D=Distribution E=Entry Point
R=Raw P=Plant C=Check S=Special A=Annual Startup

Sample/COC Remarks

Samples shipped on ice

AL,CU,AG,FE,K,MG,MN,NA,S,ZN,AS,CD,CR,PB,NI,CA,B,HG

Contains Short Hold Testing YES NO

Internal Use: If less than 48 hours - notify lab upon receipt

Data Deliverables: [X] Standard Lvl 1 [ ] Standard Lvl 2 [ ] Standard Lvl 3 [ ] Standard Lvl 4 [ ] CLP-like [ ] DOD [ ] NJ RED [ ] NJ Full [ ] HSCA [ ] Landfill [ ] NJ GW [ ] _____

EDDs: [ ] Excel Summary [ ] Equis [ ] Custom

Sample Disposal: Lab [X] Special [ ]

EDDS: Format Type

State Samples Collected In: [ ] NY [ ] NJ [X] PA [ ] WV [ ] FL ____ other

Middletown Sample Condition Form

Client Synagro Workorder 3429343

Temp °C 2 Therm ID 569 Ice? (Y) N N/A Initials & Date DAG 8/8/25

Fedex UPS Client (ALS) Other Tracking # _____

	Yes	No[1]	N/A	Comments
Cooler Custody Seals present & intact			X	
Sample Custody Seals present & intact			X	
Chain-of-Custody present	X			
Sample collector name present *If not present, must contact PM/client to request name.*	X			
COC/bottle labels complete & in agreement	X			
•Sample location	X			
•Date and time of sample collection	X			
•Type(s) of preservation	X			
•Number of containers	X			
•Composite or grab	X			
•Matrix	X			
Proper containers, preservation, and volume per method	X			
Received within hold time	X			
Containers intact	X			
Trip blanks present (EPA 504, EPA 524)			X	
Field blanks present (Hg 1631, PFAS)			X	
NJ ≤ 4 Days			X	
CR6 Samples Filtered			X	
OP Samples Filtered			X	
WV Containers 0-6°C			X	
SDWA compliance reporting			X	

[1] *If No, provide comment*

Rad Screen (uCi) ~

PM - PM to contact client
N/A - Not Applicable
UC - Updated coc with missing information

Review Comments:

_____

_____

_____

Main Site: 301 Fulling Mill Road | Middletown, PA 17057 | Phone: 717-944-5541 | www.alsglobal.com
Associated Site: 20 Riverside Drive | Spring City, PA 19475 | Phone: 610-948-4903 |

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: PJLA 74618
State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343, NJ PA101

Analytical Results Report For

Synagro Technologies

Project Fecal Coliform Pellet Cooler
Workorder 3428648
Report ID 448088 on 8/13/2025

Certificate of Analysis

Enclosed are the analytical results for samples received by the laboratory on Aug 03, 2025.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Jessica Smith (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

ALS Middletown: 301 Fulling Mill Road, Middletown, PA 17057 : 717-944-5541.

Recipient(s):
- Lisa Callan - Synagro
- Chris Thornton - Synagro Technologies
- Derrick Shivar - Synagro Technologies
- Jeff Faust - Synagro
- Accounts Department - Synagro - Philadelphia, Camden
- Sherika Washington - Synagro Technologies
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- Tamre Hurt - Synagro Technologies - Philly

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Jessica Smith

Jessica Smith *(ALS Digital Signature)*
Project Coordinator

Sample Summary

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collector	Collection Company
3428648001	Cooler T1 / Pellets Sample 1	Solid	08/03/2025 09:00	08/03/2025 13:25	CBC	Collected By Client
3428648002	Cooler T1 / Pellets Sample 2	Solid	08/03/2025 09:15	08/03/2025 13:25	CBC	Collected By Client
3428648003	Cooler T1 / Pellets Sample 3	Solid	08/03/2025 09:30	08/03/2025 13:25	CBC	Collected By Client
3428648004	Cooler T1 / Pellets Sample 4	Solid	08/03/2025 09:45	08/03/2025 13:25	CBC	Collected By Client
3428648005	Cooler T1 / Pellets Sample 5	Solid	08/03/2025 10:00	08/03/2025 13:25	CBC	Collected By Client
3428648006	Cooler T1 / Pellets Sample 6	Solid	08/03/2025 10:15	08/03/2025 13:25	CBC	Collected By Client
3428648007	Cooler T1 / Pellets Sample 7	Solid	08/03/2025 10:30	08/03/2025 13:25	CBC	Collected By Client

Reference

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  EPA 410.4 Rev. 1.0-1993
  EPA 420.4 Rev. 1.0-1993
  EPA 365.1 Rev. 2.0-1993
  EPA 200.7 Rev. 4.4-1994
  EPA 200.8 Rev. 5.4-1994
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#	Please reference the result in the Results Section for analyte-level flags.

Project Notations

Sample Notations

Lab ID	Sample ID

Result Notations

Notation Ref.

Detected Results Summary

Client Sample ID	Cooler T1 / Pellets Sample 1	Collected	08/03/2025 09:00
Lab Sample ID	3428648001	Lab Receipt	08/03/2025 13:25

Compound	Result	Units	RDL	Method	Flag
WET CHEMISTRY					
Moisture	6.5	%		In-House	#
Total Solids	93.5	%		In-House	#

Detected Results Summary

Client Sample ID	Cooler T1 / Pellets Sample 2	Collected	08/03/2025 09:15
Lab Sample ID	3428648002	Lab Receipt	08/03/2025 13:25

Compound	Result	Units	RDL	Method	Flag
WET CHEMISTRY					
Moisture	6.4	%		In-House	#
Total Solids	93.6	%		In-House	#

Detected Results Summary

Client Sample ID	Cooler T1 / Pellets Sample 3	Collected	08/03/2025 09:30
Lab Sample ID	3428648003	Lab Receipt	08/03/2025 13:25

Compound	Result	Units	RDL	Method	Flag
WET CHEMISTRY					
Moisture	6.4	%		In-House	#
Total Solids	93.6	%		In-House	#

Detected Results Summary

Client Sample ID	Cooler T1 / Pellets Sample 4	Collected	08/03/2025 09:45
Lab Sample ID	3428648004	Lab Receipt	08/03/2025 13:25

Compound	Result	Units	RDL	Method	Flag
WET CHEMISTRY					
Moisture	6.2	%		In-House	#
Total Solids	93.8	%		In-House	#

Detected Results Summary

Client Sample ID	Cooler T1 / Pellets Sample 5	Collected	08/03/2025 10:00
Lab Sample ID	3428648005	Lab Receipt	08/03/2025 13:25

Compound	Result	Units	RDL	Method	Flag
WET CHEMISTRY					
Moisture	6.1	%		In-House	#
Total Solids	93.9	%		In-House	#

Detected Results Summary

Client Sample ID	Cooler T1 / Pellets Sample 6	Collected	08/03/2025 10:15
Lab Sample ID	3428648006	Lab Receipt	08/03/2025 13:25

Compound	Result	Units	RDL	Method	Flag
WET CHEMISTRY					
Moisture	6.4	%		In-House	#
Total Solids	93.6	%		In-House	#

Detected Results Summary

Client Sample ID	Cooler T1 / Pellets Sample 7	Collected	08/03/2025 10:30
Lab Sample ID	3428648007	Lab Receipt	08/03/2025 13:25

Compound	Result	Units	RDL	Method	Flag
WET CHEMISTRY					
Moisture	6.5	%		In-House	#
Total Solids	93.5	%		In-House	#

Results

Client Sample ID	Cooler T1 / Pellets Sample 1	Collected	08/03/2025 09:00
Lab Sample ID	3428648001	Lab Receipt	08/03/2025 13:25

MICROBIOLOGY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Fecal Coliforms	ND	ND	MPN/gram	2	EPA 1680	1	08/05/2025 15:34	CXA	A

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	6.5		%		In-House	1	08/05/2025 13:34	MAN	A
Total Solids	93.5		%		In-House	1	08/05/2025 13:34	MAN	A

Results

Client Sample ID	Cooler T1 / Pellets Sample 2	Collected	08/03/2025 09:15
Lab Sample ID	3428648002	Lab Receipt	08/03/2025 13:25

MICROBIOLOGY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Fecal Coliforms	ND	ND	MPN/gram	2	EPA 1680	1	08/05/2025 15:34	CXA	A

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	6.4		%		In-House	1	08/05/2025 13:34	MAN	A
Total Solids	93.6		%		In-House	1	08/05/2025 13:34	MAN	A

Results

Client Sample ID	Cooler T1 / Pellets Sample 3	Collected	08/03/2025 09:30
Lab Sample ID	3428648003	Lab Receipt	08/03/2025 13:25

MICROBIOLOGY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Fecal Coliforms	ND	ND	MPN/gram	2	EPA 1680	1	08/05/2025 15:34	CXA	A

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	6.4		%		In-House	1	08/05/2025 13:34	MAN	A
Total Solids	93.6		%		In-House	1	08/05/2025 13:34	MAN	A

Results

Client Sample ID	Cooler T1 / Pellets Sample 4	Collected	08/03/2025 09:45
Lab Sample ID	3428648004	Lab Receipt	08/03/2025 13:25

MICROBIOLOGY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Fecal Coliforms	ND	ND	MPN/gram	2	EPA 1680	1	08/05/2025 15:34	CXA	A

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	6.2		%		In-House	1	08/05/2025 13:34	MAN	A
Total Solids	93.8		%		In-House	1	08/05/2025 13:34	MAN	A

Results

Client Sample ID	Cooler T1 / Pellets Sample 5	Collected	08/03/2025 10:00
Lab Sample ID	3428648005	Lab Receipt	08/03/2025 13:25

MICROBIOLOGY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Fecal Coliforms	ND	ND	MPN/gram	2	EPA 1680	1	08/05/2025 15:34	CXA	A

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	6.1		%		In-House	1	08/05/2025 13:34	MAN	A
Total Solids	93.9		%		In-House	1	08/05/2025 13:34	MAN	A

Results

Client Sample ID	Cooler T1 / Pellets Sample 6	Collected	08/03/2025 10:15
Lab Sample ID	3428648006	Lab Receipt	08/03/2025 13:25

MICROBIOLOGY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Fecal Coliforms	ND	ND	MPN/gram	2	EPA 1680	1	08/05/2025 15:34	CXA	A

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	6.4		%		In-House	1	08/05/2025 13:34	MAN	A
Total Solids	93.6		%		In-House	1	08/05/2025 13:34	MAN	A

Results

Client Sample ID	Cooler T1 / Pellets Sample 7	Collected	08/03/2025 10:30
Lab Sample ID	3428648007	Lab Receipt	08/03/2025 13:25

MICROBIOLOGY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Fecal Coliforms	ND	ND	MPN/gram	2	EPA 1680	1	08/05/2025 15:34	CXA	A

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	6.5		%		In-House	1	08/05/2025 13:34	MAN	A
Total Solids	93.5		%		In-House	1	08/05/2025 13:34	MAN	A

Sample - Method Cross Reference Table

Lab ID	Sample ID	Analysis Method	Preparation Method	Leachate Method
3428648001	Cooler T1 / Pellets Sample 1	EPA 1680 In-House	EPA 1680 N/A	
3428648002	Cooler T1 / Pellets Sample 2	EPA 1680 In-House	EPA 1680 N/A	
3428648003	Cooler T1 / Pellets Sample 3	EPA 1680 In-House	EPA 1680 N/A	
3428648004	Cooler T1 / Pellets Sample 4	EPA 1680 In-House	EPA 1680 N/A	
3428648005	Cooler T1 / Pellets Sample 5	EPA 1680 In-House	EPA 1680 N/A	
3428648006	Cooler T1 / Pellets Sample 6	EPA 1680 In-House	EPA 1680 N/A	
3428648007	Cooler T1 / Pellets Sample 7	EPA 1680 In-House	EPA 1680 N/A	

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Lab ID	Sample ID	Preparation Method	Prep Batch	Prep Date/Time	By	Analysis Method	Anly Batch
3428648001	Cooler T1 / Pellets Sample 1	EPA 1680 N/A	1458898 N/A	08/03/2025 17:00 N/A	CXA	EPA 1680 In-House	1458900 1458371
3428648002	Cooler T1 / Pellets Sample 2	EPA 1680 N/A	1458898 N/A	08/03/2025 17:00 N/A	CXA	EPA 1680 In-House	1458900 1458371
3428648003	Cooler T1 / Pellets Sample 3	EPA 1680 N/A	1458898 N/A	08/03/2025 17:00 N/A	CXA	EPA 1680 In-House	1458900 1458371
3428648004	Cooler T1 / Pellets Sample 4	EPA 1680 N/A	1458898 N/A	08/03/2025 17:32 N/A	CXA	EPA 1680 In-House	1458900 1458371
3428648005	Cooler T1 / Pellets Sample 5	EPA 1680 N/A	1458898 N/A	08/03/2025 17:32 N/A	CXA	EPA 1680 In-House	1458900 1458371
3428648006	Cooler T1 / Pellets Sample 6	EPA 1680 N/A	1458898 N/A	08/03/2025 17:32 N/A	CXA	EPA 1680 In-House	1458900 1458371
3428648007	Cooler T1 / Pellets Sample 7	EPA 1680 N/A	1458898 N/A	08/03/2025 17:46 N/A	CXA	EPA 1680 In-House	1458900 1458371

301 Fulling Mill Rd, Suite A
Middletown, PA 17057
P. 717-944-5541

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

3428648
Logged By: GRD
PM: JLS

COC #:
ALS Quot
of

Client Name:Synagro -Philly

Address: 7800 Penrose Ferry Road
Philadelphia, PA 19153

Contact:Chris Thornton
Phone#:(215)365-7690 X132
Proj Name/#: Fecal coliform pellet cooler
Bill To:Synagro -Philly
Purchase Order #:

TAT [X] Normal-Standard TAT is 10-12 business days.
[ ] Rush-Subject to ALS approval and surcharges.

Date Required: Approved?
Email? [X] cthornton1@synagro.com

Container Type: P
Container Size: 125mL
Preservative: None

Orthophosphate Filtered? Yes No Hexavalent Chromium Filtered? Yes No

ANALYSIS / METHOD REQUESTED

	Sample Description/Location (as it will appear on the lab report)	Date Collected mm/dd/yy	Time hh:mm	SDWA Sample Type (see key)	*G or C	**Matrix (See bottom of COC)	Fecal Coliform	Total % Solids
							Enter Num	
1	Pellets Sample 1 / Pellet Cooler T1	8-3-25	0900		G	S	1	x
2	Pellets Sample 2 / Pellet Cooler T1	8-3-25	0915		G	S	1	x
3	Pellets Sample 3 / Pellet Cooler T1	8-3-25	0930		G	S	1	x
4	Pellets Sample 4 / Pellet Cooler T1	8-3-25	0945		G	S	1	x
5	Pellets Sample 5 / Pellet Cooler T1	8-3-25	1000		G	S	1	x
6	Pellets Sample 6 / Pellet Cooler T1	8-3-25	1015		G	S	1	x
7	Pellets Sample 7 / Pellet Cooler T1	8-3-25	1030		G	S	1	x
8								
9								
10								

8032025008
8032025014

Circle Sample Collector: ALS Tech Client
Name: J. Bowlands ID:

Comments:

Date:	Time		Relinquished By / Company Name		Received By / Company Name
8-3-25	1030	1	/Synagro Philadelphia	2	8-3-25 1040
8-3-25	1315	3		4	ALS
		5		6	
		7		8	
		9		10	

Receipt Information (completed by Receiving Lab)
Temp Taken By: Therm ID: 352 WO Temp (°C) 3
Receipt Info completed by:_____ WV Containers 0-6°C Y N NA

Cooler Custody Seals Intact	Y	N	NA	Deviations? NO YES
Sample Custody Seal Intact	Y	N	NA	If YES, list below:
Received on Ice	Y	N	NA	
Coolers & Samples Intact	Y	N		
Correct Containers Provided	Y	N		
Sample Label/COC Agree	Y	N		
Adequate Sample Volumes	Y	N		
VOA only: Trip Blank	Y	N	NA	

NJ ≤ 4 days? Y N
Courier/Tracking #
Client contact:
Date/Tech:

Sample(s) for Radiation testing? Y N Rad Screen (uCi)_____
Reportable SDWA Sample(s)? Y N New Source? Y N
SDWA State of Origin?_____ New Source Contact:
PWSID #__
PWS Contact:_____ PWS Phone #:_____

SDWA Sample Type Key: D=Distribution E=Entry Point
R=Raw P=Plant C=Check S=Special A=Annual Startup

Sample/COC Remarks

Samples shipped on ice

Contains Short Hold Testing YES NO
Internal Use: If less than 48 hours - notify lab upon receipt

Data Deliverables: [x] Standard Lvl 1 [ ] Standard Lvl 2 [ ] Standard Lvl 3 [ ] Standard Lvl 4 [ ] CLP-like [ ] DOD [ ] NJ RED [ ] NJ Full [ ] HSCA [ ] Landfill [ ] NJ GW [ ] _____

EDDs: [ ] Excel Summary [ ] Equis [ ] Custom

Sample Disposal: Lab [x] Special [ ]

EDDS: Format Type

State Samples Collected In: [ ] NY [ ] NJ [x] PA [ ] WV [ ] FL [ ] other

* G=Grab; C=Composite **Matrix - A=Air; D=Drinking Water; GW=Groundwater; O=Oil; LW=Liquid Waste; S=Solid/Soil/Sludge; SW=Surface Water; WP=Wipe; WW=Wastewater

ALS SHIPPING ADDRESS: 301 Fulling Mill Road, Suite A, Middletown, PA 17057

Rev 07.06.2023

Middletown Sample Condition Form

Client Synagro Workorder 3428648

Temp °C 3 Therm ID 352 Ice? (Y) N N/A Initials & Date GRD 8/13/25

Fedex UPS Client (ALS) Other Tracking # —

	Yes	No[1]	N/A	Comments
Cooler Custody Seals present & intact			✓	
Sample Custody Seals present & intact	✓			
Chain-of-Custody present	✓			
Sample collector name present *If not present, must contact PM/client to request name.*	✓			
COC/bottle labels complete & in agreement				
•Sample location	✓			
•Date and time of sample collection	✓			
•Type(s) of preservation	✓			
•Number of containers	✓			
•Composite or grab	✓			
•Matrix	✓			
Proper containers, preservation, and volume per method	✓			
Received within hold time	✓			
Containers intact	✓			
Trip blanks present (EPA 504, EPA 524)			✓	
Field blanks present (Hg 1631, PFAS)			✓	
NJ ≤ 4 Days			✓	
CR6 Samples Filtered			✓	
OP Samples Filtered			✓	
WV Containers 0-6°C			✓	
SDWA compliance reporting			✓	

[1] *If No, provide comment*

Rad Screen (uCi) —

PM - PM to contact client
N/A - Not Applicable
UC - Updated coc with missing information

Review Comments:

Main Site: 301 Fulling Mill Road | Middletown, PA 17057 | Phone: 717-944-5541 | www.alsglobal.com
Associated Site: 20 Riverside Drive | Spring City, PA 19475 | Phone: 610-948-4903 |

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: PJLA 74618
State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343, NJ PA101

Analytical Results Report For

Synagro Technologies

Project	Philly - Annual NJ WCR PELLETS
Workorder	3429331
Report ID	452646 on 8/25/2025

Certificate of Analysis

Enclosed are the analytical results for samples received by the laboratory on Aug 06, 2025.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Jessica Smith (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

ALS Middletown: 301 Fulling Mill Road, Middletown, PA 17057 : 717-944-5541.

Recipient(s):
- Lisa Callan - Synagro
- Chris Thornton - Synagro Technologies
- Derrick Shivar - Synagro Technologies
- Jeff Faust - Synagro
- Accounts Department - Synagro - Philadelphia, Camden
- Sherika Washington - Synagro Technologies
- Tracy Goolsbee - Synagro Technologies
- Tamre Hurt - Synagro Technologies - Philly

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Jessica Smith

Jessica Smith *(ALS Digital Signature)*
Project Coordinator

Sample Summary

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collector	Collection Company
3429331001	Pellet 5 Day Comp-8/1-8/5	Solid	08/06/2025 06:30	08/06/2025 18:49	CBC	Collected By Client

Reference

Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- Except as qualified, Clean Water Act sample analyses are consistent with methodology requirements in 40 CFR Part 136, including but not limited to the following EPA Method reference revisions:
  EPA 300.1 Rev. 1.0-1997
  EPA 300.0 Rev. 2.1-1993
  EPA 353.2 Rev. 2.0-1993
  EPA 410.4 Rev. 1.0-1993
  EPA 420.4 Rev. 1.0-1993
  EPA 365.1 Rev. 2.0-1993
  EPA 200.7 Rev. 4.4-1994
  EPA 200.8 Rev. 5.4-1994
  EPA 245.1 Rev. 3.0-1994
- Except as qualified, Safe Drinking Water Act sample analyses are consistent with methodology requirements in 40 CFR Part 141.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are preformed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix “S” followed by a method number (such as S2310B-97) refer to methods from “Standard Methods for the Examination of Water and Wastewater”.
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.
- An Analysis-Prep Method Cross Reference Table is included after Analytical Results & Qualifiers section in this report.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND) above the MDL
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Practical Quantitation Limit for this Project
ND	Not Detected - indicates that the analyte was Not Detected
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits
#	Please reference the result in the Results Section for analyte-level flags.

Project Notations

Sample Notations

Lab ID	Sample ID

Result Notations

Notation Ref.

Detected Results Summary

Client Sample ID	Pellet 5 Day Comp-8/1-8/5	Collected	08/06/2025 06:30
Lab Sample ID	3429331001	Lab Receipt	08/06/2025 18:49

Compound	Result	Units	RDL	Method	Flag
METALS					
Molybdenum, Total	13.1	mg/kg	1.9	SW846 6020A	#
WET CHEMISTRY					
Moisture	6.5	%	0.1	S2540G-15	#
Total Solids	93.5	%	0.1	S2540G-15	#

Results

Client Sample ID	Pellet 5 Day Comp-8/1-8/5	Collected	08/06/2025 06:30
Lab Sample ID	3429331001	Lab Receipt	08/06/2025 18:49

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Molybdenum, Total	13.1		mg/kg	1.9	SW846 6020A	5	08/22/2025 10:18	KXH	A1
Selenium, Total	ND	ND	mg/kg	4.8	SW846 6020A	5	08/22/2025 10:18	KXH	A1

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	6.5		%	0.1	S2540G-15	1	08/12/2025 08:15	MAN	A
Total Solids	93.5		%	0.1	S2540G-15	1	08/12/2025 08:15	MAN	A

Sample - Method Cross Reference Table

Lab ID	Sample ID	Analysis Method	Preparation Method	Leachate Method
3429331001	Pellet 5 Day Comp-8/1-8/5	SW846 6020A	SW846 3051A	
		S2540G-15	N/A	

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Lab ID	Sample ID	Preparation Method	Prep Batch	Prep Date/Time	By	Analysis Method	Anly Batch
3429331001	Pellet 5 Day Comp-8/1-8/5	SW846 3051A	1459937	08/12/2025 09:09	J1K	SW846 6020A	1462113
		N/A	N/A	N/A		S2540G-15	1459243

301 Fulling Mill Rd, Suite A
Middletown, PA 17057
P. 717-944-5541

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

COC #: 3[illegible] | ALS Quote #: | 3429331 | Logged By: DXB | PM: JLS | of

Client Name: Synagro -Philly

Address: 7800 Penrose Ferry Road
Philadelphia, PA 19153

Contact: Chris Thornton
Phone#: (215)365-7690 X132
Proj Name/#: Monthly RUSH MO, SE Pellet 5 day comp
Bill To: Synagro -Philly
Purchase Order #:

TAT [ ] Normal-Standard TAT is 10-12 business days.
[X] Rush-Subject to ALS approval and surcharges.

Date Required: 48HR **Approved?**
Email? [X] cthornton1@synagro.com

	Container Type	Container Size	Preservative
	G	4oz	None

Orthophosphate Filtered? Yes No Hexavalent Chromium Filtered? Yes No

ANALYSIS / METHOD REQUESTED

	Sample Description/Location (as it will appear on the lab report)	Date Collected mm/dd/yy	Time hh:mm	SDWA Sample Type (see key)	*G or C	**Matrix (See bottom of COC)	MO,SE, Total Solids	48HR TAT	
							Enter Number of Containers Per Sample or Field Results Below.		
1	Pellet 5 Day Comp- 8/1 - 8/5 / Pellet Cooler	8/6/25	0630		C	S	1		
2									
3									
4									
5									
6									
7									
8									
9									
10									

Circle Sample Collector: ALS Tech / Client
Name: Ricky Wetsel ID:

Comments:

Date:	Time		Relinquished By / Company Name		Received By / Company Name
8/6/25	1300	1	R. Wetsel /Synagro Philadelphia	2	ALS
8/6/25	1600	3		4	ALS
8/6/25	1849	5	ALS	6	MRTS
		7		8	
		9		10	

Temp Taken By: MP Therm ID: 569 WO Temp (°C) 2

Receipt Info completed by:_____ WV Containers 0-6°C Y N NA

Cooler Custody Seals Intact	Y	N	NA	Deviations? NO YES
Sample Custody Seal Intact	Y	N	NA	If YES, list below:
Received on Ice	Y	N	NA	
Coolers & Samples Intact	Y	N		
Correct Containers Provided	Y	N		
Sample Label/COC Agree	Y	N		
Adequate Sample Volumes	Y	N		
VOA only: Trip Blank	Y	N	NA	
NJ ≤ 4 days?	Y	N		Client contact:
Courier/Tracking #				Date/Tech:

Sample(s) for Radiation testing? Y N Rad Screen (uCi)_____
Reportable SDWA Sample(s)? Y N New Source? Y N
SDWA State of Origin?_____ New Source Contact:
PWSID #__
PWS Contact:_____ PWS Phone #:_____

SDWA Sample Type Key: D=Distribution E=Entry Point
R=Raw P=Plant C=Check S=Special A=Annual Startup

Sample/COC Remarks

Sample shipped on ice

MO, SE, TS ONLY - 48HR RUSH

Contains Short Hold Testing YES NO

Internal Use: If less than 48 hours - notify lab upon receipt

Data Deliverables

[X] Standard Lvl 1	[ ] CLP-like	[ ] HSCA
[ ] Standard Lvl 2	[ ] DOD	[ ] Landfill
[ ] Standard Lvl 3	[ ] NJ RED	[ ] NJ GW
[ ] Standard Lvl 4	[ ] NJ Full	[ ] _____

EDDs

[ ] Excel Summary	Sample Disposal
[ ] Equis	Lab [X]
[ ] Custom	Special [ ]

EDDS: Format Type

State Samples Collected In

[ ] NY [ ] NJ [X] PA [ ] WV [ ] FL [ ] other

* G=Grab; C=Composite **Matrix - A=Air; D=Drinking Water; GW=Groundwater; O=Oil; LW=Liquid Waste; S=Solid/Soil/Sludge; SW=Surface Water; WP=Wipe; WW=Wastewater

ALS SHIPPING ADDRESS: 301 Fulling Mill Road, Suite A, Middletown, PA 17057

Rev 07.06.2023

Middletown Sample Condition Form

Client Syracuse

Workorder 3429331

Temp °C 2 Therm ID ~~CF9~~ 509 Ice? (Y) N N/A

Initials & Date DB 8/5/25

Fedex UPS Client (ALS) Other

Tracking #

	Yes	No[1]	N/A	Comments
Cooler Custody Seals present & intact		✓		
Sample Custody Seals present & intact			✓	
Chain-of-Custody present	✓			
Sample collector name present *If not present, must contact PM/client to request name.*	✓			
COC/bottle labels complete & in agreement	✓			
•Sample location	✓			
•Date and time of sample collection	✓			
•Type(s) of preservation	✓			
•Number of containers	✓			
•Composite or grab	✓			
•Matrix	✓			
Proper containers, preservation, and volume per method	✓			
Received within hold time	✓			
Containers intact	✓			
Trip blanks present (EPA 504, EPA 524)			✓	
Field blanks present (Hg 1631, PFAS)			✓	
NJ ≤ 4 Days			✓	
CR6 Samples Filtered			✓	
OP Samples Filtered			✓	
WV Containers 0-6°C			✓	
SDWA compliance reporting			✓	

[1] *If No, provide comment*

Rad Screen (uCi) _____

PM - PM to contact client
N/A - Not Applicable
UC - Updated coc with missing information

Review Comments:

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