



SECTION I – BIOSOLIDS LAND APPLICATION REPORT

By Authority of Regulation 64, this form is to be used by generators and distributors to report biosolids applied to the land (beneficially used) which are subject to 40 CFR Part 503 and Regulation 64.

The information provided herein will be used to determine fees to support the program in accordance with Regulation 64.

REPORTS ARE DUE **February 19, 2025**

Please note: All Biosolids Preparers and Biosolids Appliers are required to complete and return this form.

**** If you hauled biosolids to another facility, list the facility, the amount hauled and the haulers name.**

REQUIRED INFORMATION - TO BE COMPLETED BY GENERATOR OR DISTRIBUTOR. (Please type or print.)			
FACILITY NAME		NPDES and/or State Permit Number	
Twin Enviro Apex		COBMP1931	
FACILITY ADDRESS		TELEPHONE NO.	
20650 RCR 205		970-879-6985	
CITY	STATE	ZIP	BIOSOLIDS CONTACT PERSON and EMAIL ADDRESS
Steamboat Springs	CO	80487	Lacie Coupe lcoupe@apexwasteco.com
INFORMATION for FISCAL YEAR 2024 (1/1/2024 - 12/31/2024) , FOR THE GENERATOR / DISTRIBUTOR NAMED ABOVE			
<u>1397.6</u> TOTAL DRY METRIC TONS OF BIOSOLIDS GENERATED / PRODUCED (during reporting year)			
<u>508.1</u> DRY METRIC TONS OF BIOSOLIDS TO LANDS WITHIN THE STATE OF COLORADO (Beneficial Use, including Composting)		<u>889.5</u> TOTAL DRY METRIC TONS LANDFILLED	<u>0</u> TOTAL DRY METRIC TONS INCINERATED
		<u>0</u> TOTAL DRY METRIC TONS TRANSPORTED OUT OF STATE	
<u>0</u> TOTAL GALLONS OF LIQUID TRANSPORTED TO ANOTHER FACILITY FOR FURTHER PROCESSING			
<u>0</u> TOTAL DRY METRIC TON OF CAKE TRANSPORTED TO ANOTHER FACILITY FOR FURTHER PROCESSING			
<u>n/a</u> RECEIVING FACILITY NAME			
<u>n/a</u> HAULERS NAME			

To convert the English system (short tons) to metric tons, use the following equation: **DRY METRIC TONS = DRY SHORT TONS x .907**

I certify that the information as provided on this form is true.

<u>Lacie Coupe</u> Signature of Authorized Representative	<u>2/7/2025</u> Date
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REQUIRED INFORMATION. COMPLETE TO ENSURE YOU RECEIVE YOUR INVOICE IN A TIMELY MANNER.			
MAILING NAME			
Twin Enviro Apex			
MAILING ADDRESS			
PO Box 775810			
MAILING CITY	STATE	ZIP	CONTACT PERSON and EMAIL ADDRESS
Steamboat Springs	CO	80477	Lacie Coupe lcoupe@apexwasteco.com

IF YOU HAVE ANY QUESTIONS ABOUT COMPLETING THIS FORM, PLEASE CONTACT: Tim Larson – CDPH&E (303) 691-4091

PLEASE RETURN COMPLETED FORM & INFO BY Email or Mail:

****Email to both**:**

Biosolids+AnnualReports@state.co.us = (*new email address*)

AND

cdphe.wqrecordscenter@state.co.us

****OR mail to**:**

Tim Larson
BIOSOLIDS PROGRAM
CDPHE-Water Quality Control Division
WQCD-WQP-B2
4300 Cherry Creek Dr. S.
Denver, CO 80246-1530



SECTION II – GENERAL FACILITY INFORMATION

By Authority of Regulation 64, these forms are to be used by generators and distributors to report biosolids applied to the land which are subject to Regulation 64.

1. Annual Reporting Year January 1, 2024 to December 31, 2024		2. NPDES or State Permit Number COBMP1931	
3. Generator Name Steamboat Springs WWTP		4. Facility Name (if Different) Received by: Twin Enviro Apex	
5. Waste Water Treatment Plant Type: Activated Sludge <input checked="" type="checkbox"/> Ox Ditch <input type="checkbox"/> RBC <input type="checkbox"/> SBR <input type="checkbox"/> Trickling Filter <input type="checkbox"/> Lagoon <input type="checkbox"/> Other _____			
6. Designed Capacity of Facility (mgd) 5			
7. Biosolids Treatment Plant Type: Aerobic <input checked="" type="checkbox"/> Anerobic <input type="checkbox"/> Lagoon <input type="checkbox"/> Composting <input checked="" type="checkbox"/> Other _____			
8. Facility sends biosolids out of state? (Y/N) <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			
9. Facility Physical Address			
Street: 39565 County Road 33		City: Steamboat Springs	
County: Routt	Zip Code: 80487	Phone (include area code): 970-879-7700	
10. Facility Mailing Address (if different)			
Street:		City:	
County:	Zip Code:	Phone (include area code):	
11. Name of Responsible Official for Biosolids Gilbert Anderson		12. Title of Responsible Official for Biosolids Plant Manager	
13. Facility Contact Person Information			
Name of Contact Gilbert Anderson		Title Plant Manager	
E-Mail Address ganderson@steamboatsprings.net		Phone 970-879-7700	
14. Contract Applier(s)/Hauler(s) Information			
Name of Contractor Twin Enviro Apex		Name of Contact David Keating	
Phone 970-879-6985		Name of Contact David Keating	
Name of Contractor		Name of Contact	
Phone		Name of Contact	

****Please place all attachments at the end of the report packet as appendices, not after each section.**

If you have any questions about the preparation of this form, contact **Tim Larson – CDPHE (303) 691-4091**.



SECTION III – FINAL USE/DISPOSAL PRACTICES (reporting year 2024)
Permit Number (COBMP1931)

1. Beneficial Use / Land Application (total) (Class B & Class A) <u>508.1 dmt</u>	
Class B Biosolids (total): <u>0 dmt</u> Agricultural Land <u>0 dmt</u> Rangeland <u>0 dmt</u> Reclamation Site <u>0 dmt</u>	Class A Biosolids Composted (total): <u>508.1 dmt</u> Class A Biosolids "Other" (total): <u>0 dmt</u> Agricultural Land <u>0 dmt</u> Rangeland <u>0 dmt</u> Reclamation Site <u>0 dmt</u> Lawn &/or Home Garden <u>0 dmt</u> Other <u>STORED</u> <u>508.1 dmt</u>
2. Landfill (Total): <u>889.5 dmt</u> Landfill Disposal <u>889.5 dmt</u> Landfill Cover <u>0 dmt</u> Landfill Name Twin Enviro Apex Address 20650 CR 205, Steamboat Springs CO 80487	3. Surface Disposal (Total): <u>0 dmt</u> 4. Incineration <u>0 dmt</u>
5. Transported to Another Facility: for further processing <u>0 dmt &/or</u> <u>0 gallons</u> Name Address NPDES Phone	6. Received From Another Facility: <u>889.5 dmt &/or</u> <u>0 gallons</u> Name SEE ATTACHED TABLE Address NPDES Phone
7. Other HISTORIC COMPOST STORED <u>3,940 dmt</u>	8. Stored January 1 of Reporting Year <u>767.81 dmt</u> Stored December 31 of Reporting Year <u>1,275.91 dmt</u>
9. Certifications: (*Please Attach All Required Certification Statements) Pathogen Certification (select one) <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> NOT APPLICABLE Vector/Attraction Certification? (select one) <input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> NOT APPLICABLE (PER EDOP) Management Practice Certification? (select one) <input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> NOT APPLICABLE CPLR Certification? (select one) <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> NOT APPLICABLE - CPLR Site Restrictions Certification? (select one) <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> NOT APPLICABLE	



**dmt = Dry Metric Tons

**CPLR: Cumulative Pollutant Loading Rate – when pollutants exceed Table 3 concentrations (mg/kg)

If you have any questions about the preparation of this form, contact **Tim Larson – CDPHE (303) 691-4091**.

SECTION IV – LAND APPLICATION SITE INFORMATION (reporting year 2024)
Permit Number (COBMP1931)

SITE <u>N/A</u> - INFORMATION		
1. Field ID / Number	2. Site BMP Number	3. Indian Country <input type="checkbox"/> YES <input type="checkbox"/> NO
4. Land Owner	5. Biosolids Generator	6. Biosolids Applier
7. Section	8. Township	9. Range
10. Crop to be grown	11. Dryland or Irrigated Crop	12. Yield Goal for Crop (yield/acre)
13. Total Field Acres	14. "Applied To" Field Acres	15. Recommended Nitrogen (lb/ac)
16. Wet Pounds of Cake to Field	17. Gallons of Liquid to Field	18. Total Dry Ton Biosolids Applied to Field
19. Method of Application: <input type="checkbox"/> Surface Application	<input type="checkbox"/> Surface Application with Incorporation <input type="checkbox"/> Injection	20. Nitrogen applied (lb/ac)
21. Application: Start Date Finish Date	22. Cumulative Load Required (select one) <input type="checkbox"/> YES <input type="checkbox"/> NO	23. Reached 90% CPLR App. Rate? <input type="checkbox"/> YES <input type="checkbox"/> NO
SITE _____ - INFORMATION		
1. Field ID / Number	2. Site BMP Number	3. Indian Country <input type="checkbox"/> YES <input type="checkbox"/> NO
4. Land Owner	5. Biosolids Generator	6. Biosolids Applier
7. Section	8. Township	9. Range
10. Crop to be grown	11. Dryland or Irrigated Crop	12. Yield Goal for Crop (yield/acre)
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21. Application: Start Date Finish Date	22. Cumulative Load Required (select one) <input type="checkbox"/> YES <input type="checkbox"/> NO	23. Reached 90% CPLR App. Rate? <input type="checkbox"/> YES <input type="checkbox"/> NO
SITE _____ - INFORMATION		
1. Field ID / Number	2. Site BMP Number	3. Indian Country <input type="checkbox"/> YES <input type="checkbox"/> NO
4. Land Owner	5. Biosolids Generator	6. Biosolids Applier
7. Section	8. Township	9. Range
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19. Method of Application: <input type="checkbox"/> Surface Application	<input type="checkbox"/> Surface Application with Incorporation <input type="checkbox"/> Injection	20. Nitrogen applied (lb/ac)
21. Application: Start Date Finish Date	22. Cumulative Load Required (select one) <input type="checkbox"/> YES <input type="checkbox"/> NO	23. Reached 90% CPLR App. Rate? <input type="checkbox"/> YES <input type="checkbox"/> NO



**** Attach additional copies of this sheet as necessary, or you may attach your contractor's Land Application Spreadsheets/Reports which includes this information.**

**** Include copies of the actual analytical laboratory soils data sheets as an attachment at the end of the packet.**

If you have any questions about the preparation of this form, contact **Tim Larson – CDPHE (303) 691-4091.**

BIOSOLIDS TREATMENT PROVIDED

(No. of Units)

THICKENING:

- 1. Gravity ☐
- 2. DAF ☐
- 3. Centrifuge ☐
- 4. ___N/A___ ☒

STABILIZATION:

- 5. Aerobic Dig. ☐
- 6. Anaerobic Dig. ☐
- 7. Heat Treat. ☐
- 8. Wet Oxidation ☐
- 9. Chemical (Lime) Stab. ☐
- 10. Composting ☒
- 11. Biosolids Lagoons ☐
- 12. ___COMPOSTING___ ☒

CONDITIONING:

- 13. Chemical Cond. ☐
- 14. _____ ☐

DEWATERING:

- 15. Vacuum Filter ☐
- 16. Pressure Filter ☐
- 17. Belt Filter ☐
- 18. Drying Bed ☐
- 19. Drying Lagoon ☐
- 20. Heat Drying ☐
- 21. Centrifuge ☐
- 22. ___COMPOSTING___ ☒

OTHER:

- 23. Wastewater Lagoon ☐
- 24. Mixing of Biosolids ☐
- 25. Oxidation Ditch ☐
- 26. Incineration ☐
- 27. Septage ☐
- 28. ___COMPOSTING___ ☒



SECTION V – MONITORING DATA SUMMARY (reporting year 2024)
Permit Number ()

Parameter	Minimum Monthly Concentration	Average Monthly Concentration	Maximum Monthly Concentration	Units	Number of Analyses	Method Detection Limit	Test Method	Sample Type
Inorganics								
Total Solids	62.4	71.0	75.8	%	2	0.01	Sm 2540	<input type="checkbox"/> Grab <input checked="" type="checkbox"/> Composite
Total Arsenic	5.4	5.57	5.74	mg/kg	2	5	Epa 6010	<input type="checkbox"/> Grab <input checked="" type="checkbox"/> Composite
Total Cadmium	0.89	0.99	1.08	mg/kg	2	0.872	Epa 6010	<input type="checkbox"/> Grab <input checked="" type="checkbox"/> Composite
Total Copper	111	127	143	mg/kg	2	1.09	Epa 6010	<input type="checkbox"/> Grab <input checked="" type="checkbox"/> Composite
Total Lead	7.9	14.97	22	mg/kg	2	3.27	Epa 6010	<input type="checkbox"/> Grab <input checked="" type="checkbox"/> Composite
Total Mercury	0.11	0.055	0.000119	mg/kg	2	3.48ng/kg	Epa 7471	<input type="checkbox"/> Grab <input checked="" type="checkbox"/> Composite
Total Molybdenum	3	3	3	mg/kg	1	1.0	Epa 6010	<input type="checkbox"/> Grab <input checked="" type="checkbox"/> Composite
Total Nickel	16.2	16.2	16.2	mg/kg	1	1.0	Epa 6010	<input type="checkbox"/> Grab <input checked="" type="checkbox"/> Composite
Total Selenium	ND	ND	ND	mg/kg	1	5.45	Epa 6010	<input type="checkbox"/> Grab <input checked="" type="checkbox"/> Composite
Total Zinc	243	292	341	mg/kg	2	2.18	Epa 6010	<input type="checkbox"/> Grab <input checked="" type="checkbox"/> Composite
Nutrients								
Total Kjeldahl Nitrogen		n/a		% dry weight				<input type="checkbox"/> Grab <input checked="" type="checkbox"/> Composite
Organic Nitrogen	1.13	1.13	1.13	% dry weight	1	0.01	Wc 055	<input type="checkbox"/> Grab <input checked="" type="checkbox"/> Composite
Ammonia Nitrogen	0.154	0.154	0.154	% dry weight	1	0.01	Aoac 920.3	<input type="checkbox"/> Grab <input checked="" type="checkbox"/> Composite
Nitrate Nitrogen	0.03	0.03	0.03	% dry weight	1	0.01	Wc proc 32	<input type="checkbox"/> Grab <input checked="" type="checkbox"/> Composite
Total Phosphorus	0.58	0.58	0.58	% dry weight	1	0.1	Mwl me proc 23	<input type="checkbox"/> Grab <input checked="" type="checkbox"/> Composite
Total Potassium	0.45	0.45	0.45	% dry weight	1	0.05	Mwl me proc 26	<input type="checkbox"/> Grab <input checked="" type="checkbox"/> Composite



****Include copies of the actual analytical laboratory data sheets as an attachment at the end of the packet.** All sampling shall be representative of the biosolids applied to land during the reporting period and in accordance with 40 CFR Part 503 and Regulation 64 Frequency of Monitoring – Land Application. All analysis should be provided on a **dry weight basis**.

If you have any questions about the preparation of this form, contact **Tim Larson – CDPHE (303) 691-4091**.

SECTION VI – PATHOGEN AND VECTOR ATTRACTION REDUCTION (reporting year **2024**)
Permit Number (**COBMP1931**)

1. **Pathogen Reduction
Class A**

- ☐ Class A – Alternative 1 (+ elevated temp for specified time)
- ☐ Class A – Alternative 2 (+ pH adjust for specified time/temp)
- ☐ Class A – Alternative 3 (+ virus and helminth criteria)
- ☐ Class A – Alternative 4 (+ other virus and helminth criteria)
- ☐ Class A – Alternative 5 (indicate which PFRP)
 - ☒ (a) composting
 - ☐ (b) heat drying
 - ☐ (c) heat treatment
 - ☐ (d) thermophillic aerobic digestion
 - ☐ (e) beta ray irradiation
 - ☐ (f) gamma ray irradiation
 - ☐ (g) pasteurization
- ☐ Class A – Alternative 6 (attach PFRP equivalent documentation)

2. **Pathogen Reduction
Class B**

- ☐ Class B – Alternative 1 (geometric mean of 7 samples)
- ☐ Class B – Alternative 2 (indicate which PSRP)
 - ☐ (a) aerobic digestion
 - ☐ (b) air drying
 - ☐ (c) anaerobic digestion
 - ☐ (d) composting
 - ☐ (e) lime stabilization (pH at 25' C or equivalent)
- ☐ Class B – Alternative 3 (attach PSRP equivalent documentation)



3. Vector Attraction Reduction

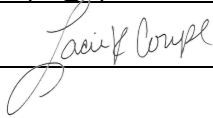
Method Used:

- ☐ Option 1 (minimum 38 percent reduction in volatile solids)
- ☐ Option 2 (Anaerobic process, with bench-scale demonstration)
- ☐ Option 3 (Aerobic Process, with bench scale demonstration)
- ☐ Option 4 (Specific Oxygen Uptake Rate (SOUR), aerobically digested)
- ☐ Option 5 (Aerobic Process plus raised temperature)
- ☐ Option 6 (Raise pH to 12 and retain at 11.5)
- ☐ Option 7 (75% solids with no unstabilized solids)
- ☐ Option 8 (90% solids with unstabilized solids)
- ☐ Option 9 (Injection below land surface with significant soil coverage)
- ☐ Option 10 (Covering active sewage sludge unit daily)

****Attach all Pathogen Reduction and Vector Attraction Reduction documentation to demonstrate compliance at the end of the packet**

If you have any questions regarding the preparation of this form, contact **Tim Larson – CDPHE (303) 691-4091**.

SECTION VII – SIGNATURE PAGE (reporting year 2024)

Facility / Company Name Twin Enviro Apex	NPDES or CO Permit Number COBMP1931
CERTIFICATION <i>"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 or persons who manage the system of 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."</i>	
Name and Official Title	<u>Lacie Coupe General Manager</u>
Telephone Number	<u>970-879-6985</u>
E-mail Address	<u>lcoupe@apexwasteco.com</u>
Signature	<u></u>
Date Signed	<u>2/7/2025</u>



Upon request from the State, you may be required to submit additional information necessary to assess biosolids use or disposal practices, or to identify appropriate compliance requirements.

Please Return Completed Forms and All Additional Information (Including That Which Is Required by Regulation 64.17.B & C) by email or mail:

*****Email (to both)**:***

Biosolids+AnnualReports@state.co.us

= (*new email address*)

AND

cdphe.wgrecordscenter@state.co.us

*****Or mail to**:***


Tim Larson
BIOSOLIDS PROGRAM
CDPHE – Water Quality Control Division
WQCD-WQP-B2
4300 Cherry Creek Dr. S.
Denver, CO 80246-1530

COBMP1931
Additional Facilities
Page 2, Section 6

Facility Name	Address	Phone Number	DMT Received
Mt Werner Water	3310 Clearwater Trail, Steamboat Springs, CO 80487	(970) 879-2424	58.1
Morrison Creek Water & Sanitation District	24490 Uncompahgre Road Oak Creek, CO 80467	(970) 736-8250	13.1
Milner WWTP	38700 Main St, Milner CO 80487	(970)870-5588	283.2
Phippsburg WWTP	22158 CR 12, Phippsburg CO 80467	(970)870-5588	535.1



13611 B Street • Omaha, Nebraska 68144-3693 • (402) 334-7770 • FAX (402) 334-9121 • www.midwestlabs.com

Lab #	Report of Analysis		Report Number: 24-216-4014																																																																																																																																																																	
Account: 64012	DAVID KEATING Twin Enviro Services 20650 COUNTY RD 205 Steamboat Springs CO 80477		 Robert Ferris Account Manager 402-829-9871																																																																																																																																																																	
Date Sampled: Date Received: Sample ID:	2024-07-19 2024-07-22 COMPOST 71924																																																																																																																																																																			
			TWIN ENVIRO																																																																																																																																																																	
<table border="1"> <thead> <tr> <th></th> <th></th> <th>Analysis (as rec'd)</th> <th>Analysis (dry weight)</th> <th>Total content, lbs per ton (as rec'd)</th> </tr> </thead> <tbody> <tr> <td colspan="5">NUTRIENTS</td> </tr> <tr> <td colspan="5">Nitrogen</td> </tr> <tr> <td>Total Nitrogen</td> <td>%</td> <td>0.99</td> <td>1.31</td> <td>19.8</td> </tr> <tr> <td>Organic Nitrogen</td> <td>%</td> <td>0.85</td> <td>1.13</td> <td>17.1</td> </tr> <tr> <td>Ammonium Nitrogen</td> <td>%</td> <td>0.117</td> <td>0.154</td> <td>2.3</td> </tr> <tr> <td>Nitrate Nitrogen</td> <td>%</td> <td>0.02</td> <td>0.03</td> <td>0.4</td> </tr> <tr> <td colspan="5">Major and Secondary Nutrients</td> </tr> <tr> <td>Phosphorus</td> <td>%</td> <td>0.44</td> <td>0.58</td> <td>8.8</td> </tr> <tr> <td>Phosphorus as P2O5</td> <td>%</td> <td>1.01</td> <td>1.33</td> <td>20.2</td> </tr> <tr> <td>Potassium</td> <td>%</td> <td>0.34</td> <td>0.45</td> <td>6.8</td> </tr> <tr> <td>Potassium as K2O</td> <td>%</td> <td>0.41</td> <td>0.54</td> <td>8.2</td> </tr> <tr> <td>Sulfur</td> <td>%</td> <td>0.19</td> <td>0.25</td> <td>3.8</td> </tr> <tr> <td>Calcium</td> <td>%</td> <td>1.26</td> <td>1.66</td> <td>25.2</td> </tr> <tr> <td>Magnesium</td> <td>%</td> <td>0.31</td> <td>0.41</td> <td>6.2</td> </tr> <tr> <td>Sodium</td> <td>%</td> <td>0.060</td> <td>0.079</td> <td>1.2</td> </tr> <tr> <td colspan="5">Micronutrients</td> </tr> <tr> <td>Zinc</td> <td>ppm</td> <td>184.6</td> <td>244</td> <td>0.4</td> </tr> <tr> <td>Iron</td> <td>ppm</td> <td>10200</td> <td>13456</td> <td>20.4</td> </tr> <tr> <td>Manganese</td> <td>ppm</td> <td>520</td> <td>686</td> <td>1.0</td> </tr> <tr> <td>Copper</td> <td>ppm</td> <td>87.2</td> <td>115</td> <td>0.2</td> </tr> <tr> <td>Boron</td> <td>ppm</td> <td>< 100</td> <td>----</td> <td>----</td> </tr> <tr> <td colspan="5">OTHER PROPERTIES</td> </tr> <tr> <td>Moisture</td> <td>%</td> <td colspan="3">24.20</td> </tr> <tr> <td>Total Solids</td> <td>%</td> <td colspan="3">75.80</td> </tr> <tr> <td>Organic Matter</td> <td>%</td> <td>25.90</td> <td>34.17</td> <td>518.0</td> </tr> <tr> <td>Ash</td> <td>%</td> <td>49.60</td> <td>65.44</td> <td>992.0</td> </tr> <tr> <td>C:N Ratio</td> <td></td> <td colspan="3">11 : 1</td> </tr> <tr> <td>Total Carbon</td> <td>%</td> <td>11.24</td> <td>14.83</td> <td></td> </tr> <tr> <td>Chloride</td> <td>%</td> <td>< 0.01</td> <td>----</td> <td></td> </tr> <tr> <td>pH</td> <td></td> <td colspan="3">7.3</td> </tr> <tr> <td>Conductivity 1:5 (Soluble Salts)</td> <td>mS/cm</td> <td colspan="3">1.67</td> </tr> </tbody> </table>							Analysis (as rec'd)	Analysis (dry weight)	Total content, lbs per ton (as rec'd)	NUTRIENTS					Nitrogen					Total Nitrogen	%	0.99	1.31	19.8	Organic Nitrogen	%	0.85	1.13	17.1	Ammonium Nitrogen	%	0.117	0.154	2.3	Nitrate Nitrogen	%	0.02	0.03	0.4	Major and Secondary Nutrients					Phosphorus	%	0.44	0.58	8.8	Phosphorus as P2O5	%	1.01	1.33	20.2	Potassium	%	0.34	0.45	6.8	Potassium as K2O	%	0.41	0.54	8.2	Sulfur	%	0.19	0.25	3.8	Calcium	%	1.26	1.66	25.2	Magnesium	%	0.31	0.41	6.2	Sodium	%	0.060	0.079	1.2	Micronutrients					Zinc	ppm	184.6	244	0.4	Iron	ppm	10200	13456	20.4	Manganese	ppm	520	686	1.0	Copper	ppm	87.2	115	0.2	Boron	ppm	< 100	----	----	OTHER PROPERTIES					Moisture	%	24.20			Total Solids	%	75.80			Organic Matter	%	25.90	34.17	518.0	Ash	%	49.60	65.44	992.0	C:N Ratio		11 : 1			Total Carbon	%	11.24	14.83		Chloride	%	< 0.01	----		pH		7.3			Conductivity 1:5 (Soluble Salts)	mS/cm	1.67		
		Analysis (as rec'd)	Analysis (dry weight)	Total content, lbs per ton (as rec'd)																																																																																																																																																																
NUTRIENTS																																																																																																																																																																				
Nitrogen																																																																																																																																																																				
Total Nitrogen	%	0.99	1.31	19.8																																																																																																																																																																
Organic Nitrogen	%	0.85	1.13	17.1																																																																																																																																																																
Ammonium Nitrogen	%	0.117	0.154	2.3																																																																																																																																																																
Nitrate Nitrogen	%	0.02	0.03	0.4																																																																																																																																																																
Major and Secondary Nutrients																																																																																																																																																																				
Phosphorus	%	0.44	0.58	8.8																																																																																																																																																																
Phosphorus as P2O5	%	1.01	1.33	20.2																																																																																																																																																																
Potassium	%	0.34	0.45	6.8																																																																																																																																																																
Potassium as K2O	%	0.41	0.54	8.2																																																																																																																																																																
Sulfur	%	0.19	0.25	3.8																																																																																																																																																																
Calcium	%	1.26	1.66	25.2																																																																																																																																																																
Magnesium	%	0.31	0.41	6.2																																																																																																																																																																
Sodium	%	0.060	0.079	1.2																																																																																																																																																																
Micronutrients																																																																																																																																																																				
Zinc	ppm	184.6	244	0.4																																																																																																																																																																
Iron	ppm	10200	13456	20.4																																																																																																																																																																
Manganese	ppm	520	686	1.0																																																																																																																																																																
Copper	ppm	87.2	115	0.2																																																																																																																																																																
Boron	ppm	< 100	----	----																																																																																																																																																																
OTHER PROPERTIES																																																																																																																																																																				
Moisture	%	24.20																																																																																																																																																																		
Total Solids	%	75.80																																																																																																																																																																		
Organic Matter	%	25.90	34.17	518.0																																																																																																																																																																
Ash	%	49.60	65.44	992.0																																																																																																																																																																
C:N Ratio		11 : 1																																																																																																																																																																		
Total Carbon	%	11.24	14.83																																																																																																																																																																	
Chloride	%	< 0.01	----																																																																																																																																																																	
pH		7.3																																																																																																																																																																		
Conductivity 1:5 (Soluble Salts)	mS/cm	1.67																																																																																																																																																																		



13611 "B" Street • Omaha, Nebraska 68144-3693 • (402) 334-7770 • FAX (402) 334-9121
www.midwestlabs.com

Compost Results Interpretations

Page 1

Report #:

24-216-4014

DATE RECEIVED:

2024-07-22

Organic Matter %

25.90

As Received

34.17

Dry Weight

Greater than 20% indicates a desirable range for compost on a dry weight basis.

Compost is a significant source of Organic Matter, which is an important supplier of carbon. Organic Matter improves soil and plant efficiency by improving soil physical properties, providing a source of energy to beneficial organisms, and enhancing the reservoir of soil nutrients.

C/N Ratio

11.4:1

20-30 indicates an ideal range for the initial compost process.

10-20 indicates an ideal range for a finished compost.

All organic matter is made up of substantial amounts of carbon with lesser amounts of nitrogen. The balance of these two elements is called the Carbon/Nitrogen Ratio. For the best performance, the compost pile requires the correct proportion of carbon for energy and nitrogen for protein production. If the C:N ratio is too high (excess carbon) decomposition slows down. If the C:N ratio is too low (excess Nitrogen) the compost pile could be difficult to manage.

Moisture %

24.20

<35% = Indicates overly dry compost

>55% = Indicates overly wet compost

Moisture Percent is the measure of water present in the compost and expressed as a percentage of total weight. Moisture present affects handling and transport. Overly dry will be light and dusty while overly wet will be heavy and clumpy. A desirable moisture content of finished compost will range between 40 to 50%.



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Compost Results Interpretations

Page 2

Report #:

24-216-4014

DATE RECEIVED:

2024-07-22

Conductivity or Soluble Salts measures the conductance of electrical current in a liquid compost slurry. Excessive soluble salt content in a compost can prevent or delay seed germination and proper root growth. Conductivity analysis is done on a 1:5 basis.

Conductivity 1:5
1.7

Conductivity Level	Interpretation
Greater than 10	Very High nutrient content. Use for Ag Applications
5 - 10	High nutrient content. Use for Ag Applications
3 - 5	Higher than desirable for salt sensitive plants, some loss of vigor
0.6 - 3	Desirable range for most plants
0.3 - 0.6	Ideal range for greenhouse growth media
0.0 - 0.3	Very Low: Indicates very low nutrient status: plants may show deficiencies.

Compost Results Interpretations

Page 3

Report #:

24-216-4014

DATE RECEIVED:

2024-07-22

pH Value

7.3

0 to 14 scale with 6 to 8 as normal pH levels for compost

A pH in the 6 to 8 pH range indicates a more mature compost

pH measures the acidity or alkalinity of the compost, and is a measurement of the hydrogen ion activity of a soil or compost on a logarithmic scale. The pH scale ranges from 0 to 14 and 7 indicates a neutral pH. Growing media with a higher pH or pH greater than 7 can benefit from a compost that has a more acidic pH or pH below 7. This type of application will possibly lower the soil pH making the soil more conducive to plants that thrive in a more acidic soil condition.

Nutrient Index (Ag Index)

>10

The Nutrient Index normally runs between 1 and 10.

The Nutrient Index is obtained by dividing the total nutrients (N,P,K) by the amount of salt (Sodium and Chloride). The higher the Nutrient Index the less chance of having a toxic buildup of Sodium (salt) in the soil.

AG INDEX CHART										
<i>salt injury possible</i>	<i>use on soils with excellent drainage characteristics, good water quality and low salts</i>				<i>you may use on soils with poor drainage, poor water quality, or high salts</i>				<i>for all soils</i>	
1	2	3	4	5	6	7	8	9	10	> 10

Nutrients (N+P2O5+K2O)

3.18

Average Nutrient Content Dry Weight

<2 = Low, >5 = High

1-1-0.5

Rating As Received

The most commonly used compost data is the amount of Nitrogen, Phosphate, and Potash (abbreviated as N,P,K) present and the information is similar to that found in common fertilizers. If a compost result has the rating 1-2-2 it means that the compost has 1% Nitrogen, 2% Phosphate and 2% Potash. Most compost tests will have a average nutrient level (N+P+K) of < 5%.



Twin Enviro Services
DAVID KEATING
20650 COUNTY RD 205
Steamboat Springs CO 80477

REPORT OF ANALYSIS
For: (64012) Twin Enviro Services
TWIN ENVIRO

Analysis	Level Found		Reporting			Analyst- Date	Verified- Date
	As Received	Dry Weight	Units	Limit	Method		
Sample ID: COMPOST 71924	Lab Number: 70499168	Date Sampled: 2024-07-19 0950					
Arsenic (total)	< 5.0	5.4	mg/kg	5.0	EPA 6010	erw9-2024/07/26	kkh9-2024/08/03
Cadmium (total)	0.68	0.89	mg/kg	0.50	EPA 6010	erw9-2024/07/26	kkh9-2024/08/03
Chromium (total)	18.6	24.6	mg/kg	1.00	EPA 6010	erw9-2024/07/26	kkh9-2024/08/03
Cobalt (total)	4.74	6.26	mg/kg	1.00	EPA 6010	erw9-2024/07/26	kkh9-2024/08/03
Copper (total)	84.1	111	mg/kg	1.0	EPA 6010	erw9-2024/07/26	kkh9-2024/08/03
Mercury (total)	0.08	0.11	mg/kg	0.05	EPA 7471	Mab7-2024/08/02	kkh9-2024/08/03
Molybdenum (total)	2.3	3.0	mg/kg	1.0	EPA 6010	erw9-2024/07/26	kkh9-2024/08/03
Nickel (total)	12.3	16.2	mg/kg	1.0	EPA 6010	erw9-2024/07/26	kkh9-2024/08/03
Lead (total)	6.0	7.9	mg/kg	5.0	EPA 6010	erw9-2024/07/26	kkh9-2024/08/03
Selenium (total)	< 10.0	< 10.0	mg/kg	10.0	EPA 6010	erw9-2024/07/26	kkh9-2024/08/03
Zinc (total)	184.6	243.5	mg/kg	2.0	EPA 6010	erw9-2024/07/26	kkh9-2024/08/03
Fecal coliforms	49.3	65.0	MPN/g	0.2	EPA 1681	cjb1-2024/07/25	snl7-2024/07/25
Salmonella	< 1.20	< 1.20	MPN/4g	1.20	TMECC 7.02 (mod)	sdw8-2024/07/27	snl7-2024/07/29

The result(s) issued on this report only reflect the analysis of the sample(s) submitted.
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24-216-4014REPORT DATE
Aug 03, 2024RECEIVED DATE
Jul 22, 2024SEND TO
64012**PAGE 6/6**ISSUE DATE
Aug 03, 2024

**Twin Enviro Services
DAVID KEATING
20650 COUNTY RD 205
Steamboat Springs CO 80477**

REPORT OF ANALYSIS

For: (64012) Twin Enviro Services
TWIN ENVIRO

Analysis	Level Found		Units	Reporting		Analyst- Date	Verified- Date
	As Received	Dry Weight		Limit	Method		

Sample(s) was prepared for EPA 6010 analysis by EPA 3050b.

EPA 1681 holding time of < 24 hours from sampling to laboratory set up of samples for biosolids and compost has been exceeded. Individual states enforce different holding times for compost or biosolids so please contact the regulatory body in your state for their requirements.

MPN = most probable number , ppm = parts per million, ppm = mg/kg, ppm = mg/L

For questions please contact:


Kerri Stanek
Account Manager
kstanek@midwestlabs.com (402)590-2982

The result(s) issued on this report only reflect the analysis of the sample(s) submitted.

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Twin Enviro Services
DAVID KEATING
20650 COUNTY RD 205
Steamboat Springs CO 80477

REPORT OF ANALYSIS
For: (64012) Twin Enviro Services
TWIN ENVIRO

Analysis	Level Found		Reporting			Analyst- Date	Verified- Date	
	As Received	Dry Weight	Units	Limit	Method			
Sample ID: COMPOST TESTING	Lab Number: 70526407		Date Sampled: 2024-09-17 1421					
Salmonella	< 1.20	< 1.20	MPN/4g	1.20	TMECC 7.02 (mod)		ojb0-2024/09/21	snl7-2024/09/23
Fecal coliforms	2.4	3.2	MPN/g	0.2	EPA 1681		sdw8-2024/09/19	snl7-2024/09/19
Percent solids	74.8		%	0.01	SM 2540 G-(2015) *		Ppj2-2024/09/20	mgn8-2024/09/24

MPN = most probable number

For questions please contact:

 Kerri Stanek
 Account Manager
 kstanek@midwestlabs.com (402)590-2982

January 10, 2025

Report to:

Rebecca Lindeman
Jardon Engineering & Inspections
PO Box 772143
Steamboat, CO 80477

Bill to:

Accounts Payable
Twin Landfill Corporation
P.O. Box 774362
Steamboat Springs, CO 80477

cc: Dave Keating

Project ID:

ACZ Project ID: L92018

Rebecca Lindeman:

Enclosed are revised analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on December 12, 2024 and originally reported on December 26, 2024. Refer to the case narrative for an explanation of the changes. This project was assigned to ACZ's project number, L92018. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L92018. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after January 25, 2025. If the samples are determined to be hazardous, additional charges apply for disposal (typically less than \$10/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical reports for five years.

If you have any questions or other needs, please contact your Project Manager.



Sue Webber has reviewed and
approved this report.



Twin Landfill Corporation

January 10, 2025

Project ID:

ACZ Project ID: L92018

Sample Receipt

ACZ Laboratories, Inc. (ACZ) received 1 soil sample from Twin Landfill Corporation on December 12, 2024. The sample was received in good condition. Upon receipt, the sample custodian removed the sample from the cooler, inspected the contents, and logged the sample into ACZ's computerized Laboratory Information Management System (LIMS). The sample was assigned ACZ LIMS project number L92018. The custodian verified the sample information entered into the computer against the chain of custody (COC) forms and sample bottle labels.

Holding Times

All analyses were performed within EPA recommended holding times.

Sample Analysis

This sample was analyzed for inorganic parameters. The individual methods are referenced on both, the ACZ invoice and the analytical reports.

This project was revised on 01/10/2025 to report additional metals as requested by the client. No other changes were made.

Twin Landfill Corporation

Project ID:

Sample ID: COMPOST

ACZ Sample ID: **L92018-01**

Date Sampled: 12/12/24 13:05

Date Received: 12/12/24

Sample Matrix: Soil

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, total (3050)	EPA 6010D	109	5.74	B		mg/Kg	4.36	21.8	12/23/24 22:00	msp
Barium, total (3050)	EPA 6010D	109	252			mg/Kg	0.981	3.82	12/23/24 22:00	msp
Cadmium, total (3050)	EPA 6010D	109	1.08	B	*	mg/Kg	0.872	2.73	12/23/24 22:00	msp
Chromium, total (3050)	EPA 6010D	109	16.8		*	mg/Kg	2.18	5.45	12/23/24 22:00	msp
Copper, total (3050)	EPA 6010D	109	143		*	mg/Kg	1.09	5.45	12/23/24 22:00	msp
Lead, total (3050)	EPA 6010D	109	22.0			mg/Kg	3.27	16.4	12/23/24 22:00	msp
Mercury by Direct Combustion AA	EPA 7473	1	119		*	ng/g	3.48	17.4	01/09/25 15:53	jrj/rjw
Selenium, total (3050)	EPA 6010D	109	<5.45	U		mg/Kg	5.45	27.3	12/23/24 22:00	msp
Silver, total (3050)	EPA 6010D	109	4.89		*	mg/Kg	1.09	2.73	12/23/24 22:00	msp
Zinc, total (3050)	EPA 6010D	109	341		*	mg/Kg	2.18	5.45	12/23/24 22:00	msp

Soil Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	D2216-80	1	62.4		*	%	0.1	0.5	12/20/24 8:00	grw

Soil Preparation

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972								12/17/24 7:40	jsa
Digestion - Hot Plate	EPA 3050B								12/20/24 10:40	bat2
Sieve-2000 um (2.0mm)	ASA No.9 15-4.2.2								12/18/24 7:25	jsa



Report Header Explanations

<i>Batch</i>	A distinct set of samples analyzed at a specific time
<i>Found</i>	Value of the QC Type of interest
<i>Limit</i>	Upper limit for RPD, in %.
<i>Lower</i>	Lower Recovery Limit, in % (except for LCSS, mg/Kg)
<i>MDL</i>	Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5). Allows for instrument and annual fluctuations.
<i>PCN/SCN</i>	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
<i>PQL</i>	Practical Quantitation Limit. Synonymous with the EPA term "minimum level".
<i>QC</i>	True Value of the Control Sample or the amount added to the Spike
<i>Rec</i>	Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)
<i>RPD</i>	Relative Percent Difference, calculation used for Duplicate QC Types
<i>Upper</i>	Upper Recovery Limit, in % (except for LCSS, mg/Kg)
<i>Sample</i>	Value of the Sample of interest

QC Sample Types

<i>AS</i>	Analytical Spike (Post Digestion)	<i>LCSWD</i>	Laboratory Control Sample - Water Duplicate
<i>ASD</i>	Analytical Spike (Post Digestion) Duplicate	<i>LFB</i>	Laboratory Fortified Blank
<i>CCB</i>	Continuing Calibration Blank	<i>LFM</i>	Laboratory Fortified Matrix
<i>CCV</i>	Continuing Calibration Verification standard	<i>LFMD</i>	Laboratory Fortified Matrix Duplicate
<i>DUP</i>	Sample Duplicate	<i>LRB</i>	Laboratory Reagent Blank
<i>ICB</i>	Initial Calibration Blank	<i>MS</i>	Matrix Spike
<i>ICV</i>	Initial Calibration Verification standard	<i>MSD</i>	Matrix Spike Duplicate
<i>ICSAB</i>	Inter-element Correction Standard - A plus B solutions	<i>PBS</i>	Prep Blank - Soil
<i>LCSS</i>	Laboratory Control Sample - Soil	<i>PBW</i>	Prep Blank - Water
<i>LCSSD</i>	Laboratory Control Sample - Soil Duplicate	<i>PQV</i>	Practical Quantitation Verification standard
<i>LCSW</i>	Laboratory Control Sample - Water	<i>SDL</i>	Serial Dilution

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method or calibration procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Spikes/Fortified Matrix	Determines sample matrix interferences, if any.
Standard	Verifies the validity of the calibration.

ACZ Qualifiers (Qual)

B	Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
L	Target analyte response was below the laboratory defined negative threshold.
U	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.

Method References

(1)	EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.
(2)	EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993.
(3)	EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.
(4)	EPA SW-846. Test Methods for Evaluating Solid Waste.
(5)	Standard Methods for the Examination of Water and Wastewater.

Comments

(1)	QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
(2)	Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.
(3)	Animal matrices for Inorganic analyses are reported on an "as received" basis.
(4)	An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.
(5)	If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.

For a complete list of ACZ's Extended Qualifiers, please click:

<https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf>

Twin Landfill Corporation

ACZ Project ID: **L92018**

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L92018-01	WG603508	Cadmium, total (3050)	EPA 6010D	ZG	The ICP or ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Chromium, total (3050)	EPA 6010D	ZG	The ICP or ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Copper, total (3050)	EPA 6010D	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG604156	Mercury by Direct Combustion AA	EPA 7473	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG603508	Silver, total (3050)	EPA 6010D	ZG	The ICP or ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
		Zinc, total (3050)	EPA 6010D	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
			EPA 6010D	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.

Twin Landfill Corporation

ACZ Project ID: **L92018**

Soil Analysis

The following parameters are not offered for certification or are not covered by NELAC certificate #ACZ.

Solids, Percent

D2216-80

Twin Landfill Corporation

ACZ Project ID: L92018

Date Received: 12/12/2024 17:11

Received By:

Date Printed: 12/16/2024

Receipt Verification

	YES	NO	NA
1) Is a foreign soil permit included for applicable samples?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2) Is the Chain of Custody form or other directive shipping papers present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3) Does this project require special handling procedures such as CLP protocol?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4) Are any samples NRC licensable material?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5) If samples are received past hold time, proceed with requested short hold time analyses?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6) Is the Chain of Custody form complete and accurate?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Samples/Containers

	YES	NO	NA
8) Are all containers intact and with no leaks?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9) Are all labels on containers and are they intact and legible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11) For preserved bottle types, was the pH checked and within limits? ¹	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
12) Is there sufficient sample volume to perform all requested work?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13) Is the custody seal intact on all containers?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
14) Are samples that require zero headspace acceptable?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
15) Are all sample containers appropriate for analytical requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16) Is there an Hg-1631 trip blank present?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
17) Is there a VOA trip blank present?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
18) Were all samples received within hold time?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

NA indicates Not Applicable

Chain of Custody Related Remarks

Client Contact Remarks

Shipping Containers

Cooler Id	Temp (°C)	Temp Criteria (°C)	Rad (µR/Hr)	Custody Seal Intact?
-----	-----	-----	-----	-----
7697	4.8	NA	15	N/A

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

Twin Landfill Corporation

ACZ Project ID: L92018

Date Received: 12/12/2024 17:11

Received By:

Date Printed: 12/16/2024

¹ The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na₂S₂O₃ preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).

