REPORT NUMBER

RECEIVED DATE Sep 18, 2024



SEND TO 64012 🖊 Midwest aboratories® 13611 B Street • Omaha, Nebraska 68144-3693 • (402) 334-7770 www.midwestlabs.com



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

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

| | Level Fo | ound | | Reporting | | Analyst- | Verified- |
|----------------------------|--------------------|------------|------------|------------|--------------------|-----------------|-----------------|
| Analysis | As Received | Dry Weight | Units | Limit | Method | Date | Date |
| Sample ID: COMPOST TESTING | Lab Number: 705264 | 07 Date | Sampled: 2 | 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:

tanek. in

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. Our reports and letters are for the exclusive and confidential use of our clients and may not be reproduced in whole or in part, nor may any reference be made to the work, the results, or the company in any advertising, news release, or other public announcements without obtaining our prior written authorization.

REPORT NUMBER

RECEIVED DATE Nov 22, 2024



SEND TO 64012





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

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

| | Level F | ound | ļ | Reporting | | Analyst- | Verified- |
|--------------------|-------------------------|-------------|------------|-----------|--------------------|-----------------|-----------------|
| Analysis | As Received | Dry Weight | Units | Limit | Method | Date | Date |
| Sample ID: COMPOST | Lab Number: 70557094 Da | te Sampled: | 2024-11-21 | 0945 | | | |
| Fecal coliforms | < 0.2 | < 0.2 | MPN/g | 0.2 | EPA 1681 | Uml8-2024/11/23 | snl7-2024/11/25 |
| Salmonella | < 1.20 | < 1.20 | MPN/4g | 1.20 | TMECC 7.02 (mod) | sdw8-2024/11/25 | snl7-2024/11/25 |
| Percent solids | 70.8 | | % | 0.01 | SM 2540 G-(2015) * | jsp9-2024/11/26 | mgn8-2024/11/26 |

MPN = most probable number

For questions please contact:

tanek in

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

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December 26, 2024

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

cc: Dave Keating

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

Project ID: ACZ Project ID: L92018

Rebecca Lindeman:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on December 12, 2024. This project has been 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 \$11/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 raw data reports for ten years.

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

Madeleine Murray Madeleine Murray has reviewed and approved this report.







Twin Landfill Corporation

| Project ID: | |
|-------------|---------|
| Sample ID: | COMPOST |

Inorganic Analytical Results

| 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 | В | | 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 | В | * | 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 |
| Lead, total (3050) | EPA 6010D | 109 | 22.0 | | | mg/Kg | 3.27 | 16.4 | 12/23/24 22:00 | msp |
| 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 |
| 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 |



Inorganic Reference

| Report He | ader Explanations | | | |
|------------|--------------------------------|---|------------------------|--|
| Batch | A distinct set of sample | es analyzed at a specific time | | |
| Found | Value of the QC Type | of interest | | |
| Limit | Upper limit for RPD, in | %. | | |
| Lower | Lower Recovery Limit, | in % (except for LCSS, mg/Kg) | | |
| MDL | Method Detection Limi | . Same as Minimum Reporting Limit u | nless omitted or ec | jual to the PQL (see comment #5). |
| | Allows for instrument a | nd annual fluctuations. | | |
| PCN/S | CN A number assigned to | reagents/standards to trace to the mar | nufacturer's certifica | ate of analysis |
| PQL | Practical Quantitation L | imit. Synonymous with the EPA term | "minimum level". | |
| QC | True Value of the Cont | rol Sample or the amount added to the | Spike | |
| Rec | Recovered amount of | he true value or spike added, in % (ex | cept for LCSS, mg/ | ′Kg) |
| RPD | Relative Percent Differ | ence, calculation used for Duplicate Q0 | C Types | |
| Upper | Upper Recovery Limit, | in % (except for LCSS, mg/Kg) | | |
| Samp | e Value of the Sample of | interest | | |
| OC Samo | o Typos | | | |
| A.S | Analytical Snike (Post | | I CSWD | Laboratory Control Sample - Water Duplicate |
| ASD | Analytical Spike (Post | Digestion) Duplicate | I FR | Laboratory Fortified Blank |
| CCB | Continuing Calibration | Blank | I FM | Laboratory Fortified Matrix |
| CCV | Continuing Calibration | Verification standard | | Laboratory Fortified Matrix Duplicate |
| DUP | Sample Duplicate | | I RB | Laboratory Reagent Blank |
| ICB | Initial Calibration Blank | | MS | Matrix Spike |
| ICV | Initial Calibration Verific | cation standard | MSD | Matrix Spike Duplicate |
| ICSAF | Inter-element Correctio | n Standard - A plus B solutions | PRS | Pren Blank - Soil |
| LCSS | Laboratory Control Sar | nole - Soil | PBW | Pren Blank - Water |
| LCSS | D Laboratory Control Sar | nple - Soil Duplicate | POV | Practical Quantitation Verification standard |
| LCSW | Laboratory Control Sar | nple - Water | SDI | Serial Dilution |
| | Laboratory Control Cal | | GDE | |
| QC Sampl | e Type Explanations | | | |
| Blanks | | Verifies that there is no or minimal c | ontamination in the | prep method or calibration procedure. |
| Contro | I Samples | Verifies the accuracy of the method, | , including the prep | procedure. |
| Duplic | ates | Verifies the precision of the instrume | ent and/or method. | |
| Spikes | /Fortified Matrix | Determines sample matrix interferer | nces, if any. | |
| Standa | ard | Verifies the validity of the calibration | | |
| ACZ Quali | fiers (Qual) | | | |
| B | Analyte concentration | detected at a value between MDL and | PQL. The associate | ed value is an estimated quantity. |
| Н | Analysis exceeded me | thod hold time. pH is a field test with a | n immediate hold ti | me. |
| L | Target analyte respons | e was below the laboratory defined ne | gative threshold. | |
| U | The material was analy | zed for, but was not detected above th | e level of the asso | ciated value. |
| | The associated value i | s either the sample quantitation limit or | the sample detecti | on limit. |
| Motheral D | | | | |
| wethod R | | athods for Chamical Analysis of Mator | and Waster Mara | b 1083 |
| (1) | EPA 600/4-03-020. 100 | ethods for the Determination of Increase | and wastes, ward | Environmental Samples, August 1002 |
| (2) | EPA 600/R-93-100. M | ethods for the Determination of Motols | in Environmental S | Complex Supplement May 1004 |
| (3) | EPA 600/R-94-111. M | ethods for Evolucting Solid Mosts | in Environmental 3 | samples - Supplement I, May 1994. |
| (4) (5) | EPA SVV-040. Test IVIE | the Examination of Water and Wester | otor | |
| (5) | Stanuaru Methous Iur | | aler. | |
| Comment | 5 | | | |
| (1) | QC results calculated f | rom raw data. Results may vary slight | ly if the rounded va | lues are used in the calculations. |
| (2) | Soil, Sludge, and Plant | matrices for Inorganic analyses are re | ported on a dry we | ight basis. |
| (3) | Animal matrices for Inc | rganic analyses are reported on an "as | s received" basis. | |
| (4) | An asterisk in the "XQ" | column indicates there is an extended | qualifier and/or ce | rtification qualifier |
| | associated with the res | ult. | | |
| (5) | If the MDL equals the I | PQL or the MDL column is omitted, the | PQL is the reportin | ng limit. |
| Fore | complete list of ACZ's Extends | od Qualifiara, plaase slisk: | | |
| Fuid | JUMPICIC IISLULAUZ S EXICIUS | ים שטמוווכוס, צובמשב טווטה. | | |

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

REP001.03.15.02



(800) 334-5493

Twin Landfill Corporation

ACZ Project ID: L92018

| ACZ ID | WORKNUM | PARAMETER | METHOD | QUAL | DESCRIPTION |
|-----------|----------|------------------------|-----------|------|---|
| L92018-01 | NG603508 | 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. |
| | | 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. |



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

| AGZ Laboratories, Inc. 2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493 | Sa Re | ample eceipt | |
|---|-------------|-----------------|----------|
| Twin Landfill Corporation ACZ Pr | oject ID: | | L92018 |
| Date R | eceived: 12 | 2/12/202 | 24 17:11 |
| Rece | ived By: | | |
| Date | Printed: | 12/ | 16/2024 |
| Receipt Verification | | | |
| 1) Is a foreign soil permit included for applicable samples? | YES | NO | NA X |
| 2) Is the Chain of Custody form or other directive shipping papers present? | X | | |
| 3) Does this project require special handling procedures such as CLP protocol? | | Х | |
| 4) Are any samples NRC licensable material? | | | Х |
| 5) If samples are received past hold time, proceed with requested short hold time analyses? | Х | | |
| 6) Is the Chain of Custody form complete and accurate? | Х | | |
| 7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples? | | Х | |
| Samples/Containers | | | |
| | YES | NO | NA |
| 8) Are all containers intact and with no leaks? | X | | |
| 9) Are all labels on containers and are they intact and legible? | Х | | |
| 10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time? | Х | | |
| 11) For preserved bottle types, was the pH checked and within limits? ¹ | | | Х |
| 12) Is there sufficient sample volume to perform all requested work? | Х | | |
| 13) Is the custody seal intact on all containers? | | | Х |
| 14) Are samples that require zero headspace acceptable? | | | Х |
| 15) Are all sample containers appropriate for analytical requirements? | Х | | |
| 16) Is there an Hg-1631 trip blank present? | | | Х |
| 17) Is there a VOA trip blank present? | | | Х |
| 18) Were all samples received within hold time? | Х | | |
| | NA indica | tes Not Ap | plicable |

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.



Sample Receipt

| 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).

| Report to: | oat Springs, CO 804 | 487 (800) 334 | 1-5493 | - | V | | | | | | | |
|--|---|---------------------------|------------------------------|----------------------------|-------------------------------|--|----------------------------|--------------------------------|---------------------------|--------------|---------------|-------------|
| Name Do 11 111 | 12/00 | | | | _ | | _ | | | / | | |
| Name: Day 0 120 | | | ł | Addr | ess: 头 | <u>061</u> | <u>50</u> | 60 | 10 | | <u>ېچ</u> . | · |
| E-mail: 1 / / | Tash and and | | | <u>>/</u> | C. CL / | <u>~ 150</u> | <u>^-</u> | | <u>[~~</u> | | 6- C. | |
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| npany. | and the | | | <u> </u> | <u> </u> | - Got | | | - <u>-</u> | <u> </u> | 4.0 | |
| ample(s) received past ho | olding time (HT), or | if Insufficier | l ∞ ⊃ ∿. nt HT rei | <u>nains</u> | to com | | | N. | 67 | VES | | 1 - |
| lysis before expiration, s | hall ACZ proceed | with requeste | ed short | HT an | alyses | ? | | | | NO | | 1 |
| Are samples for SDWA Com | pliance Monitoring | nor "NO" is Indicate | id, ACZ will | Yes | ith the requi | ested analy | No | f HT is expin | ed, and dat | a will be qu | alified | |
| f yes, please include state fo | orms. Results will I | be reported to | o PQL fe | or Col | orado. | J | | <u>_</u> | | | | |
| Sampler's Name: <u>Derid</u> | <u>Sampler's</u> | Site Informa | tion | State_ | 40 | | _ Zip co | de ^{de l} | 17 | Time 2 | Zone_/ | a |
| Sampler's Signature: | | *i attest to tampering | the authenti with the sam | icity and v mple in any | alidity of thi way, is con | is sample. Isidered fra | i understan aud and pun | d that intent lishable by S | ionally mis State Law. | labeling the | time/date | location or |
| PROJECT INFORMATION | | | | _ | ANAL | YSES R | EQUESTE | D (attach i | ist or usi | e quote ni | Imberi | |
| Quote #: George Pession | | | | S e | R |] | | | | | | |
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| 2 0# : | | | | tai | 6 | | | | | | | |
| Reporting state for compliance | testing: | | | Contai | R | | | | | | | |
| Correction State for compliance Check box if samples include N SAMPLE IDENTIFICATION | testing: NRC licensed materi | ial? | Matrix | # of Contai | R 7 30 | | | | | | | |
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FRMAD050.06.14.14 L92018-2412261336

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White - Return with sample. Yellow - Retain for your records.