

ANALYTICAL REPORT

Job Number: 420-164785-1

Job Description: Ulster County Resource Recovery Agency

For:

Ulster County Resource Recovery Agency
PO Box 6219
999 Flatbush Road
Kingston, NY 12402

Attention: Mr. Charles Wittiker

Debra Bayer

Debra Saye

Customer Service Manager dbayer@envirotestlaboratories.com 12/20/2019

NYSDOH ELAP does not certify for all parameters. EnviroTest Laboratories does hold certification for all analytes where certification is offered by ELAP unless otherwise specified in the Certification Information section of this report. Pursuant to NELAP, this report may not be reproduced, except in full, without written approval of the laboratory. EnviroTest Laboratories Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our laboratory. All questions regarding this report should be directed to the EnviroTest Customer Service Representative.

EnviroTest Laboratories, Inc. Certifications and Approvals: NYSDOH 10142, NJDEP NY015, CTDOPH PH-0554



METHOD SUMMARY

Job Number: 420-164785-1

Client: Ulster County Resource Recovery Agency

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Salmonella in Sewage Sludge	EnvTest	EPA 1682	
Sterile Water Suspension	EnvTest		EPA SterileWatSusp

Lab References:

EnvTest = EnviroTest

Method References:

EPA = US Environmental Protection Agency

METHOD / ANALYST SUMMARY

Client: Ulster County Resource Recovery Agency Job Number: 420-164785-1

Method	Analyst	Analyst ID
EPA 1682	Lacy, Megan	ML
SM SM2540B PSOL	Ferrick, Stephanie	SF

SAMPLE SUMMARY

Client: Ulster County Resource Recovery Agency Job Number: 420-164785-1

			Date/Time	Date/Time
Lab Sample ID	Client Sample ID	Client Matrix	Sampled	Received
420-164785-1	Compost	Solid	12/16/2019 0900	12/16/2019 1055

Analytical Data

Client: Ulster County Resource Recovery Agency Job Number: 420-164785-1

			Biology				
Client Sample ID:	Compost						
Lab Sample ID:	420-164785-1				Date Sampled:	12/1	6/2019 0900
Client Matrix:	Solid		% Moisture: 54.1		Date Received:	12/1	6/2019 1055
Analyte		Result	Qual Units	RL	RL	Dil	Method
Salmonella		<0.14	MPN/4g	0.14	0.14	1.0	1682
	Anly Batch:		Date Analyzed 12/16/	2019 1400		Dry\	Nt Corrected: Y
	Prep Batch:		Date Prepared: 12/16/	2019 1400			
			General Chemist	ry			
Client Sample ID:	Compost						
Lab Sample ID:	420-164785-1				Date Sampled:	12/1	6/2019 0900
Client Matrix:	Solid				Date Received:	12/1	6/2019 1055
Analyte		Result	Qual Units	RL	RL	Dil	Method
Percent Solids		46	%	0.10	0.10	1.0	SM2540B PSO
	Anly Batch:		Date Analyzed 12/16/	2019 1702			

DATA REPORTING QUALIFIERS

Lab Section Qualifier Description

Certification Information

The following analytes are Not Part of the ELAP scope of accreditation:

Sulfur, Tungsten, Bicarbonate Alkalinity, 7 Day BOD 5210C, 28 Day BOD, Soluble BOD, Carbon Dioxide, Carbonate Alkalinity, CBOD Soluble, Chlorine, Cyanide (WAD), Ferrous Iron, Ferric Iron, Total Nitrogen, Total Organic Nitrogen, Dissolved Oxygen, pH, Solids (Fixed), Solids (Percent), Solids (Percent Moisture), Solids (Percent Volatile), Solids (Volatile Suspended), Temperature, TKN (Soluble), COD (Soluble), Total Inorganic Carbon, 2-Aminopyridine, 3-Picoline, 1-Methyl-2-pyrrilidinone, Aziridine, Dimethyl sulfoxide, 1-Chlorohexane, 1,2,4,5-Tetramethylbenzene, 4-Ethyl toluene, p-Diethylbenzene, Iron Bacteria, Salmonella, Sulfur Reducing Bacteria, & UOD (Ultimate Oxygen Demand).

The following analytes are Not Part of ELAP Potable Water scope of accreditation:

Ammonia (SM 4500NH3G), Biochemical Oxygen Demand (SM 5210B), Chemical Oxygen Demand (EPA 410.4), Dissolved Oxygen (SM 4500 O C), TKN (351.2), Phosphorus (365.3), Nitrate-Nitrite (353.2), Settable Solids (SM 2540F), Total Suspended Solids (SM 2540 C), m-Xylene & p-Xylene (502.2, 524), o-Xylene (502.2, 524), Sulfide (SM4500SD), Acenaphthene (525.2), Acenaphthylene (525.2), Fluoranthene (525.2), Fluorene (525.2), Phenanthrene (525.2), Anthracene (525.2), Pyrene (525.2), Benzo[a]anthracene (525.2), Benzo[b]fluoranthene (525.2), Benzo[g,h,i]perylene (525.2), Benzo[k]fluoranthene (525.2), Indeno[1,2,3-cd]pyrene (525.2), & Dibenz(a,h)anthracene (525.2).

The following analytes are Not Part of ELAP Solid and Hazardous Waste scope of accreditation:

Ammonia (SM 4500NH3G), TKN (351.2), Phosphorus (365.3), 1,2-Dichloro-1,1,2-trifluoroethane (8260), & Chlorodifluoromethane (8260).

The following analytes are Not Part of ELAP Non Potable Water scope of accreditation:

Dissolved Organic Carbon (5310C), Mecoprop (8151A), MCPA (8151A).

Definitions and Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
%R	Percent Recovery
DL, RA, RE	Indicates a Dilution, Reanalysis or Reextraction.
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit - an estimate of the minimum amount of a substance that an analytical process can reliably detect. A MDL is analyte- and matrix-specific and may be laboratory-dependent.
ND	Not detected at the reporting limit (or MDL if shown).
QC	Quality Control
RL	Reporting Limit - the minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.
RPD	Relative Percent Difference - a measure of the relative difference between two points.

EnviroTest I aboratories Inc

CHAIN OF CUSTODY

164785

315 Fullerton Avenue Newburgh, NY 12550 TEL (845) 562-0890

	Maria de la companya	ν	FAX (845) 562-0841	
CUSTOMER NAME UCRRA	REPORT TYPE	TURNAROUND	REPORT # (Lab Use Only)	
999 FLATBUSH RD		□ NORMAL	12#4	
CITY, STATE, ZIP KIALC CTAAL AND 12 LAB	NJ REG □ NYASP A □ B □ CLP□	□ QUICK	SAMPLE TEMPC	
CITY, STATE, ZIP KINGSTON NY 12401 NAME OF CONTACT PHONE NO.		□ VERBAL	SAMPLE REC'D ON ICE Y Y N ph CHECK Y N	
Angelina Peone 845-336-0600 PROJECT LOCATION			- CHLORINE (RESIDUAL)	
KINGSTON NY	<u>Matrix</u>	REVIEWED BY:		
PROJECT NUMBER / PO NO. 14234	DW = DRINKING WATER S WW = WASTE WATER SL = SLUDG		NY PUBLIC WATER SUPPLIES	
NOTE: SAMPLE TEMPERATURE UPON /			SOURCE ID	
RECEIPT MUST BE 4° ± 2°C.	Lifer Amber HOL 250m Amber Lifer Amber Coganic Washed Ninc Acid 250m Plastic Lifer Plastic 250m Plastic 250m Plastic 250m Plastic 250m Plastic 250m Plastic	Sienie Sienie Sienie Sienie Sienie Sienie Sienie Sienie Sienie Sulfurie 40ml Glass Do Do Do Bastric & Sulfurie Bastric & Sulfur	ELAP TYPE	
FTI SAMPLING & WATER	Lifer Amber HC 250ml Amber HC 250ml Amber HC 250ml Plastic	86.00 Stein (250 M) Sulf. (250 M) Sulf. (250 M) (250 M	FEDERAL ID	
			ANALYSIS REQUESTED	
12/16/19 900 V SOIL COMPOST		1	SALMONELLA	
So.			·	
trongs States				
GREEKE, MARKET	420-164785-A-1			
	Date Sampled: 12/16/2019 420-142660	-		
76 2 2000	420-142669	96		
SAMPLES SUBMITTED FOR ANALYSIS WILL BE SUBJECT TO THE ETL TERMS A	AND CONDITIONS OF SALE UNLESS ALTERNAT	IIII TE TERMS ARE AGREED IN WRITIN	IG.	
RELINQUISHED BY COMPANY DATE OF DATE OF THE PROPERTY DATE OF THE PROPERTY OF T	TE TIME RECEIVED	BY CC	MPANY DATE TIME	
	TE TIME A LA RECEIVED	1/4 - Z - R - 1	MPANY JATE TIME 12/16/19 10:55	
RELINQUISHED BY COMPANY 12/14/19 DAT	TE TIME RECEIVED	BY VIVOC	MPANY DATE TIME	
COMMENTS SEND RESULTS TO APEO	QUEDON DOG			
COMMENTS SEND RESULTS 18 APEO	Page 9 of 10			

LOGIN SAMPLE RECEIPT CHECK LIST

Client: Ulster County Resource Recovery Agency Job Number: 420-164785-1

Login Number: 164785

Question	T/F/NA	Comment
Samples were collected by ETL employee as per SOP-SAM-1	NA	
The cooler's custody seal, if present, is intact.	NA	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	
Cooler Temperature is recorded.	True	18.1 C
Cooler Temp. is within method specified range.(0-6 C PW, 0-8 C NPW, or BAC <10 C	False	
If false, was sample received on ice within 6 hours of collection.	False	
Based on above criteria cooler temperature is acceptable.	True	Method does not require cooling.
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	NA	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	