

ANALYTICAL REPORT

Job Number: 420-106065-1

SDG Number: Kingston

Job Description: Ulster County Resource Recovery Agency

For:

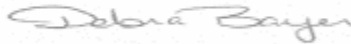
Ulster County Resource Recovery Agency

PO Box 6219

999 Flatbush Road

Kingston, NY 12402

Attention: Merlyn Akhtar



Debra Bayer

Customer Service Manager

dbayer@envirotestlaboratories.com

06/30/2016

cc: Mr. Charles Wittiker

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

Envirotest Laboratories, Inc.

315 Fullerton Avenue, Newburgh, NY 12550

Tel (845) 562-0890 Fax (845) 562-0841 www.envirotestlaboratories.com

METHOD SUMMARY

Client: Ulster County Resource Recovery Agency

Job Number: 420-106065-1

SDG Number: Kingston

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: 420-106065-1

SDG Number: Kingston

Method	Analyst	Analyst ID
EPA 1682	O'Driscoll, Kate	KO
SM SM2540B PSOL	Sirico, Derek	DS

SAMPLE SUMMARY

Client: Ulster County Resource Recovery Agency

Job Number: 420-106065-1

SDG Number: Kingston

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
420-106065-1	Compost/Soil	Solid	06/20/2016 0930	06/20/2016 1033

Analytical Data

Client: Ulster County Resource Recovery Agency

Job Number: 420-106065-1
Sdg Number: Kingston

Biology

Client Sample ID: Compost/Soil

Lab Sample ID: 420-106065-1 Date Sampled: 06/20/2016 0930
Client Matrix: Solid % Moisture: 13.1 Date Received: 06/20/2016 1033

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Salmonella	<0.083		MPN/4g	0.083	0.083	10	1682
	Anly Batch: 420-99506	Date Analyzed	06/20/2016	1500			DryWt Corrected: Y

General Chemistry

Client Sample ID: Compost/Soil

Lab Sample ID: 420-106065-1 Date Sampled: 06/20/2016 0930
Client Matrix: Solid Date Received: 06/20/2016 1033

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	87		%	0.10	0.10	1.0	SM2540B PSOL
	Anly Batch: 420-99581	Date Analyzed	06/24/2016	1730			

DATA REPORTING QUALIFIERS

Lab Section	Qualifier	Description
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Certification Information

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

Sulfur, Tungsten, Silicon, 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, Phenolphthalein Alkalinity, Solids (Fixed), Solids (Percent), Solids (Percent Moisture), Solids (Percent Volatile), Solids (Volatile Suspended), Temperature, TKN (Soluble), Total Inorganic Carbon, Volatile Acids as Acetic Acid, 2-Aminopyridine, 3-Picoline, 1-Methyl-2-pyrrilidinone, Aziridine, Dimethyl sulfoxide, Fluorobenzene, 1-Chlorohexane, Iron Bacteria, Salmonella, & Sulfur Reducing Bacteria.

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

Cobalt (200.7, 200.8), Tin (200.7), Strontium (200.7), Gold (200.7), Platinum (200.7), Palladium (200.7), Titanium (200.7), Phosphorus (365.3), Nitrate-Nitrite (10-107-4-1C, 353.2), m-Xylene & p-Xylene (502.2, 524), Naphthalene (502.2), o-Xylene (502.2, 524), & Fecal Coliform (9222D).

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

Ammonia (SM 4500NH3G), Nitrate-Nitrite (353.2, 10-107-4-1C), TKN (351.2), Phosphorus (365.3), Total Cresols (8270), 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).

The following analytes are Part of ELAP scope of accreditation but not for the noted methods:

Nitrate (Solid & Hazardous Waste Matrix, 300), Nitrite (Solid & Hazardous Waste, 300, 4500NO2), Sulfate (Solid & Hazardous, 300.0), alpha-Chlordane (608), Endrin Ketone (608), gamma-Chlordane (608), PCB-1262 (608), PCB-1268 (608), 1,2-Diphenylhydrazine (625), 2-MethylNaphthalene (625), 3-Methylphenol (625), 4-Nitroaniline (625), 1,1,1,2-Tetrachloroethane (624,601), 1,1,2-Trichloro-1,2,2-trifluoroethane (601,624), 1,2,3-Trichlorobenzene (624, 601), 1,2,3-Trichloropropane (624), 1,2,4-Trichlorobenzene (601,624), 1,2,4-trimethylbenzene (624), 1,2-Dichloro-3-Chloropropane (601, 624), 1,2-Dichloro-1,1,2-trifluoroethane (601, 624), 1,3,5-Trimethylbenzene (624), 1,3-Dichloropropane (624), 2,2-dichloropropane (601,624), 2-chlorotoluene (601,624), 2-hexanone (624), 4-Chlorotoluene (601,624), 4-Isopropyltoluene (624), Acetonitrile (624), Benzyl Chloride (624, 8021), Bromobenzene (601,624), Carbon disulfide (624), Bromochloromethane (624), Dibromomethane (624), 1,2-Dibromoethane (624), Hexachlorobutadiene (624), Isopropylbenzene (624), 2-Butanone (Methyl Ethyl Ketone) (624), 4-methyl-2-pentanone (624), MTBE (602), m-Xylene & p-Xylene (8021), Naphthalene (602,624), n-Butylbenzene (624), n-Propylbenzene (624), sec-Butylbenzene (624), tert-Butylbenzene (624), trans-1,4-Dichloro-2-butene (624), & Tetrahydrofuran (8260, 624).

The following analytes are Part of ELAP Scope of accreditation but not part of our certification:

Silica (6010), Free Cyanide (4500CN E), Amenable Cyanide (4500DCNG), & Vinyl Acetate (624).

The following Analytes are Part of ELAP Scope of accreditation but not part of our certification for a Non Potable Water Matrix:

Aluminium (200.8), Turbidity (180.1), Methanol (8015D), Dalapon (8151A), 1,2-Dichlorobenzene (601), Acetone (624), MTBE (624), m-Xylene & p-Xylene (602).

The following Analytes are Part of ELAP Scope of accreditation but not part of our certification for a Potable Water Matrix:

Bromide (300), Ethylene Glycol (8015D), Propylene Glycol (8015D).

The following Analyte(s) Part of ELAP Scope of accreditation but not part of our certification for a Solid and Hazardous Waste Matrix:

1,2-Diphenylhydrazine (8270).

The following Analytes are Part of ELAP Scope of accreditation but not part of our certification for an Air Matrix:

1,2-Dichlorobenzene, Carbon tetrachloride, Chlorobenzene, Chloroform, Ethylbenzene, Methylene Chloride, Tetrachloroethene, Toluene, & Trichloroethene.

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 Laboratories Inc.

CHAIN OF CUSTODY

315 Fullerton Avenue
Newburgh, NY 12550
TEL (845) 562-0890
FAX (845) 562-0841

CUSTOMER NAME UCRRA
 ADDRESS 999 Flatbush Rd
 CITY, STATE, ZIP KINGSTON NY 12401
 NAME OF CONTACT Merlyn Akhtar PHONE NO. _____
 PROJECT LOCATION KINGSTON
 PROJECT NUMBER / PO NO. _____

REPORT TYPE
 STANDARD ISRA
 NJ REG
 NYASP A B CLP
 OTHER _____

TURNAROUND
 NORMAL _____
 QUICK _____
 VERBAL _____

REPORT # (Lab Use Only)
106065

SAMPLE TEMP. 29.1°
 SAMPLE REC'D ON ICE Y N
 pH CHECK Y N
 CHLORINE (RESIDUAL) Y N
 REVIEWED BY: _____

NY PUBLIC WATER SUPPLIES
 SOURCE ID _____
 ELAP TYPE _____
 FEDERAL ID _____

Matrix
 DW = DRINKING WATER S = SOIL O = OIL
 WW = WASTE WATER SL = SLUDGE GW = GROUND WATER

NOTE: SAMPLE TEMPERATURE UPON RECEIPT MUST BE 4° ± 2°C.

ETL #	SAMPLING DATE	TIME	COMP	GRAB	MATRIX	CLIENT I.D.	Total Number of Containers	40ml HCL	Liter Amber HCL	250ml Amber Sulfuric	Liter Amber Organic Washed	250ml Nitric Acid	250ml Plastic Sodium Hydroxide	Liter Plastic	250ml Plastic Sulfuric Acid	250ml Plastic Sterile	250ml Plastic NaOH/Zn ACC	40ml Glass Sulfuric	40ml Glass DO	
62016	9/30/16	9:30 AM	✓		Compost/Soil		1													

ANALYSIS REQUESTED

SALMONELLA SP

SAMPLES SUBMITTED FOR ANALYSIS WILL BE SUBJECT TO THE ETL TERMS AND CONDITIONS OF SALE UNLESS ALTERNATE TERMS ARE AGREED IN WRITING.

RELINQUISHED BY Merlyn Akhtar UCRRA COMPANY
 DATE 6/20/16 TIME 10:33 AM

SAMPLED BY Merlyn Akhtar UCRRA COMPANY
 DATE 6/20/16 TIME 9:30 AM

RELINQUISHED BY [Signature] ETC COMPANY
 DATE 6/20/16 TIME 10:33

COMMENTS EMAIL RESULTS TO MAXH@UCRRA.ORG

LOGIN SAMPLE RECEIPT CHECK LIST

Client: Ulster County Resource Recovery Agency

Job Number: 420-106065-1

SDG Number: Kingston

Login Number: 106065

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	29.1 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.	True	
Based on above criteria cooler temperature is acceptable.	True	
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	