

September 06, 2019

Gordon Eddington
MANCHESTER-SHORTSVILLE WWTP
3890 RT. 96
MANCHESTER, NY 14504

RE: Project: COMPOST 8/19
Pace Project No.: 70101974

Dear Gordon Eddington:

Enclosed are the analytical results for sample(s) received by the laboratory on August 20, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

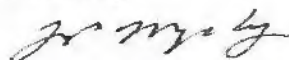
Some analyses have been subcontracted outside of the Pace Network. The subcontracted laboratory report has been attached.

Salmonella samples were subcontracted to Life Science Laboratories, Inc., 5854 Butternut Drive East Syracuse, NY 13057

NH3 samples were subcontracted to Pace Analytical, LLC 1638 Roseytown Rd., Greensburg, PA 15601

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



James Murphy
james.murphy@pacelabs.com
(631)694-3040
Project Manager



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

September 06, 2019
Page 2

Enclosures

cc: Debbie Chase, MANCHESTER-SHORTSVILLE WWTP



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

CERTIFICATIONS

Project: COMPOST 8/19
Pace Project No.: 70101974

Pennsylvania Certification IDs

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 04222CA
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
Delaware Certification
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Florida: Cert E871149 SEKS WET
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA180012
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: 2017020
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991

Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572018-1
New Hampshire/TNI Certification #: 297617
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-010
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: 02867
Texas/TNI Certification #: T104704188-17-3
Utah/TNI Certification #: PA014572017-9
USDA Soil Permit #: P330-17-00091
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 9526
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad
Wyoming Certification #: 8TMS-L

Long Island Certification IDs

575 Broad Hollow Rd, Melville, NY 11747
New York Certification #: 10478 Primary Accrediting Body
New Jersey Certification #: NY158
Pennsylvania Certification #: 68-00350
Connecticut Certification #: PH-0435

Maryland Certification #: 208
Rhode Island Certification #: LAO00340
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SAMPLE ANALYTE COUNT

Project: COMPOST 8/19
Pace Project No.: 70101974

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
70101974001	COMPOST PILE # 2	EPA 6010C	JMW	10	PACE-MV
		EPA 7471B	JLN	1	PACE-MV
		ASTM D2216-92M	DND	1	PACE-MV
		SM22 2540G	AK1	2	PACE-MV
		SM22 4500-P E	KM1	1	PACE-MV
		EPA 9045D	DND	2	PACE-MV
		EPA 350.1	JWL	1	PASI-PA
		EPA 351.2	SDO	1	PACE-MV
		EPA 9056A	BNK	2	PACE-MV
70101974002	COMPOST PILE # 2	ASTM D2216-92M	DND	1	PACE-MV

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: COMPOST 8/19

Pace Project No.: 70101974

Sample: COMPOST PILE # 2 Lab ID: 70101974001 Collected: 08/19/19 10:00 Received: 08/20/19 10:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3050B						
Arsenic	2.6	mg/kg	1.1	1	08/28/19 13:16	08/29/19 10:56	7440-38-2	
Cadmium	0.75	mg/kg	0.27	1	08/28/19 13:16	08/29/19 10:56	7440-43-9	
Chromium	18.9	mg/kg	1.1	1	08/28/19 13:16	08/29/19 10:56	7440-47-3	
Copper	509	mg/kg	2.7	1	08/28/19 13:16	08/29/19 10:56	7440-50-8	
Lead	28.6	mg/kg	0.54	1	08/28/19 13:16	08/29/19 10:56	7439-92-1	
Molybdenum	8.8	mg/kg	2.2	1	08/28/19 13:16	08/29/19 10:56	7439-98-7	
Nickel	15.9	mg/kg	4.3	1	08/28/19 13:16	08/29/19 10:56	7440-02-0	
Potassium	5110	mg/kg	542	1	08/28/19 13:16	08/29/19 10:56	7440-09-7	
Selenium	8.0	mg/kg	1.1	1	08/28/19 13:16	08/29/19 10:56	7782-49-2	
Zinc	545	mg/kg	2.2	1	08/28/19 13:16	08/29/19 10:56	7440-66-6	
7471 Mercury		Analytical Method: EPA 7471B Preparation Method: EPA 7471B						
Mercury	0.46	mg/kg	0.076	1	09/03/19 13:00	09/03/19 17:00	7439-97-6	
Percent Moisture		Analytical Method: ASTM D2216-92M						
Percent Moisture	54.2	%	0.10	1		08/29/19 16:42		
2540G Total Fixed Vol Solids		Analytical Method: SM22 2540G						
Total Solids	46.7	%	0.10	1		08/21/19 16:59		N3
Total Volatile Solids	79.6	%	0.10	1		08/21/19 16:59		N3
4500PE Total Phosphorus		Analytical Method: SM22 4500-P E Preparation Method: SM22 4500-P B						
Phosphorus	15100	mg/kg	554	100	08/27/19 08:26	08/27/19 10:13	7723-14-0	
Corrosivity pH, <20% Water		Analytical Method: EPA 9045D						
pH	4.0	Std. Units	0.10	1		08/20/19 15:00		
Temperature, Water (C)	24.0	deg C	0.10	1		08/20/19 15:00		
350.1 Ammonia		Analytical Method: EPA 350.1 Preparation Method: EPA 350.1						
Nitrogen, Ammonia	5090	mg/kg	88.7	10	08/28/19 08:29	08/29/19 10:04	7664-41-7	
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2						
Nitrogen, Kjeldahl, Total	2370	mg/kg	273	10	09/04/19 05:52	09/04/19 16:45	7727-37-9	M6
9056 IC Anions 48hr		Analytical Method: EPA 9056A Preparation Method: EPA 9056A						
Nitrate as N	5440	mg/kg	217	100	08/28/19 21:38	08/30/19 10:29	14797-55-8	
Nitrite as N	ND	mg/kg	2.2	1	08/28/19 21:38	08/30/19 10:12	14797-65-0	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: COMPOST 8/19
Pace Project No.: 70101974

Sample: COMPOST PILE # 2 **Lab ID: 70101974002** Collected: 08/19/19 10:00 Received: 08/20/19 10:40 Matrix: Solid
Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture Analytical Method: ASTM D2216-92M								
Percent Moisture	57.5	%	0.10	1		08/29/19 16:44		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: COMPOST 8/19
Pace Project No.: 70101974

QC Batch: 128395 Analysis Method: EPA 7471B
QC Batch Method: EPA 7471B Analysis Description: 7471 Mercury
Associated Lab Samples: 70101974001

METHOD BLANK: 613311 Matrix: Solid
Associated Lab Samples: 70101974001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.033	09/03/19 16:56	

LABORATORY CONTROL SAMPLE: 613312

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.17	0.18	105	80-120	

MATRIX SPIKE SAMPLE: 613313

Parameter	Units	70101974001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.46	0.41	0.94	120	80-120	

SAMPLE DUPLICATE: 613314

Parameter	Units	70101974001 Result	Dup Result	RPD	Qualifiers
Mercury	mg/kg	0.46	0.41	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: COMPOST 8/19
Pace Project No.: 70101974

QC Batch: 127870 Analysis Method: EPA 6010C
QC Batch Method: EPA 3050B Analysis Description: 6010 MET
Associated Lab Samples: 70101974001

METHOD BLANK: 610746 Matrix: Solid
Associated Lab Samples: 70101974001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND	0.50	08/29/19 10:23	
Cadmium	mg/kg	ND	0.12	08/29/19 10:23	
Chromium	mg/kg	ND	0.50	08/29/19 10:23	
Copper	mg/kg	ND	1.2	08/29/19 10:23	
Lead	mg/kg	ND	0.25	08/29/19 10:23	
Molybdenum	mg/kg	ND	1.0	08/29/19 10:23	
Nickel	mg/kg	ND	2.0	08/29/19 10:23	
Potassium	mg/kg	ND	250	08/29/19 10:23	
Selenium	mg/kg	ND	0.50	08/29/19 10:23	
Zinc	mg/kg	ND	1.0	08/29/19 10:23	

LABORATORY CONTROL SAMPLE: 610747

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	202	192	95	80-120	
Cadmium	mg/kg	141	136	96	80-120	
Chromium	mg/kg	167	162	97	80-120	
Copper	mg/kg	108	103	95	80-120	
Lead	mg/kg	73.8	71.0	96	80-120	
Molybdenum	mg/kg	103	104	100	80-120	
Nickel	mg/kg	89.4	86.0	96	80-120	
Potassium	mg/kg	2240	1990	89	70-130	
Selenium	mg/kg	49.9	47.7	96	80-120	
Zinc	mg/kg	264	252	95	80-120	

MATRIX SPIKE SAMPLE: 610749

Parameter	Units	70102479001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	4.9	24.3	28.1	95	75-125	
Cadmium	mg/kg	<0.12	2.4	2.2	92	75-125	
Chromium	mg/kg	6.1	12.2	20.0	114	75-125	
Copper	mg/kg	25.2	12.2	45.7	168	75-125	M1
Lead	mg/kg	32.3	24.3	67.3	144	75-125	M1
Molybdenum	mg/kg	3.4	24.3	26.1	93	75-125	
Nickel	mg/kg	5.0	12.2	17.5	103	75-125	
Potassium	mg/kg	321	2430	2530	91	75-125	
Selenium	mg/kg	2.4	36.6	33.6	85	75-125	
Zinc	mg/kg	56.2	48.8	113	117	75-125	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: COMPOST 8/19
Pace Project No.: 70101974

SAMPLE DUPLICATE: 610748

Parameter	Units	70102479001 Result	Dup Result	RPD	Qualifiers
Arsenic	mg/kg	4.9	5.1		4
Cadmium	mg/kg	<0.12	ND		
Chromium	mg/kg	6.1	5.2		15
Copper	mg/kg	25.2	21.5		16
Lead	mg/kg	32.3	25.9		22 D6
Molybdenum	mg/kg	3.4	2.6		26 D6
Nickel	mg/kg	5.0	4.1		19
Potassium	mg/kg	321	304		5
Selenium	mg/kg	2.4	2.1		10
Zinc	mg/kg	56.2	43.7		25 D6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: COMPOST 8/19
Pace Project No.: 70101974

QC Batch:	128097	Analysis Method:	ASTM D2216-92M
QC Batch Method:	ASTM D2216-92M	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples:	70101974001, 70101974002		

SAMPLE DUPLICATE: 611844

Parameter	Units	70101974001 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	54.2	53.6	1	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: COMPOST 8/19
Pace Project No.: 70101974

QC Batch: 126988	Analysis Method: SM22 2540G
QC Batch Method: SM22 2540G	Analysis Description: 2540G Tot Solids/Volatile/Fixed
Associated Lab Samples: 70101974001	

SAMPLE DUPLICATE: 606141

Parameter	Units	70101974001 Result	Dup Result	RPD	Qualifiers
Total Solids	%	46.7	46.8	0	N3
Total Volatile Solids	%	79.6	79.7	0	N3

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: COMPOST 8/19
Pace Project No.: 70101974

QC Batch: 127578 Analysis Method: SM22 4500-P E
QC Batch Method: SM22 4500-P B Analysis Description: 4500PE Soil Phosphorus
Associated Lab Samples: 70101974001

METHOD BLANK: 609418
Associated Lab Samples: 70101974001

Matrix: Solid

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Phosphorus	mg/kg	ND	2.5	08/27/19 10:13	

LABORATORY CONTROL SAMPLE: 609419

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/kg	25	25.2	101	85-115	

MATRIX SPIKE SAMPLE: 609420

Parameter	Units	70102588003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/kg	3170	32.8	3540	1120	75-125	M6

SAMPLE DUPLICATE: 609421

Parameter	Units	70102588003 Result	Dup Result	RPD	Qualifiers
Phosphorus	mg/kg	3170	3240	2	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: COMPOST 8/19
Pace Project No.: 70101974

QC Batch: 126728	Analysis Method: EPA 9045D
QC Batch Method: EPA 9045D	Analysis Description: 9045D Corrosivity pH in Soil
Associated Lab Samples: 70101974001	

SAMPLE DUPLICATE: 604766

Parameter	Units	70101974001 Result	Dup Result	RPD	Qualifiers
pH	Std. Units	4.0	4.0	0	
Temperature, Water (C)	deg C	24.0	24.0	0	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: COMPOST 8/19
Pace Project No.: 70101974

QC Batch: 358759 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Associated Lab Samples: 70101974001

METHOD BLANK: 1742109 Matrix: Solid
Associated Lab Samples: 70101974001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/kg	ND	4.0	08/29/19 09:52	

LABORATORY CONTROL SAMPLE: 1742110

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/kg	160	154	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1742111 1742112

Parameter	Units	30319819001		MSD		MS		MSD		% Rec Limits	RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	Result	MSD Result	% Rec	% Rec				
Nitrogen, Ammonia	mg/kg	2580	413	416	3230	3250	163	167	90-110	1	MH	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: COMPOST 8/19
Pace Project No.: 70101974

QC Batch: 128471 Analysis Method: EPA 351.2
QC Batch Method: EPA 351.2 Analysis Description: 351.2 TKN
Associated Lab Samples: 70101974001

METHOD BLANK: 614001 Matrix: Solid
Associated Lab Samples: 70101974001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Kjeldahl, Total	mg/kg	ND	12.5	09/04/19 16:43	

LABORATORY CONTROL SAMPLE: 614002

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/kg	500	516	103	90-110	

MATRIX SPIKE SAMPLE: 614003

Parameter	Units	70101974001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/kg	2370	1090	3930	143	90-110	M6

SAMPLE DUPLICATE: 614004

Parameter	Units	70101974001 Result	Dup Result	RPD	Qualifiers
Nitrogen, Kjeldahl, Total	mg/kg	2370	2110	12	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: COMPOST 8/19
Pace Project No.: 70101974

QC Batch: 127961 Analysis Method: EPA 9056A
QC Batch Method: EPA 9056A Analysis Description: 9056 IC Anions
Associated Lab Samples: 70101974001

METHOD BLANK: 611202 Matrix: Solid
Associated Lab Samples: 70101974001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate as N	mg/kg	ND	1.0	08/29/19 08:40	
Nitrite as N	mg/kg	ND	1.0	08/29/19 08:40	

LABORATORY CONTROL SAMPLE: 611203

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/kg	10	10.5	105	90-110	
Nitrite as N	mg/kg	10	10.1	101	90-110	

MATRIX SPIKE SAMPLE: 611205

Parameter	Units	70101849011 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/kg	2.9	16.7	17.9	90	80-120	
Nitrite as N	mg/kg	<1.7	16.7	17.8	106	80-120	

SAMPLE DUPLICATE: 611204

Parameter	Units	70101849011 Result	Dup Result	RPD	Qualifiers
Nitrate as N	mg/kg	2.9	3.0	3	
Nitrite as N	mg/kg	<1.7	ND		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALIFIERS

Project: COMPOST 8/19
Pace Project No.: 70101974

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.
ND - Not Detected at or above adjusted reporting limit.
TNTC - Too Numerous To Count
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
PQL - Practical Quantitation Limit.
RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.
S - Surrogate
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAC Institute.

LABORATORIES

PACE-MV Pace Analytical Services - Melville
PASI-PA Pace Analytical Services - Greensburg

ANALYTE QUALIFIERS

D6 The precision between the sample and sample duplicate exceeded laboratory control limits.
M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
M6 Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.
MH Matrix spike recovery and/or matrix spike duplicate recovery was above laboratory control limits. Result may be biased high.
N3 Accreditation is not offered by the relevant laboratory accrediting body for this parameter.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: COMPOST 8/19

Pace Project No.: 70101974

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70101974001	COMPOST PILE # 2	EPA 3050B	127870	EPA 6010C	127893
70101974001	COMPOST PILE # 2	EPA 7471B	128395	EPA 7471B	128407
70101974001	COMPOST PILE # 2	ASTM D2216-92M	128097		
70101974002	COMPOST PILE # 2	ASTM D2216-92M	128097		
70101974001	COMPOST PILE # 2	SM22 2540G	126988		
70101974001	COMPOST PILE # 2	SM22 4500-P B	127578	SM22 4500-P E	127588
70101974001	COMPOST PILE # 2	EPA 9045D	126728		
70101974001	COMPOST PILE # 2	EPA 350.1	358759	EPA 350.1	358977
70101974001	COMPOST PILE # 2	EPA 351.2	128471	EPA 351.2	128609
70101974001	COMPOST PILE # 2	EPA 9056A	127961	EPA 9056A	127963

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



Sample Condition Upon Receipt

Client Name: _____

Pr

WO#: 70101974

PM: JM2 Due Date: 09/04/19

CLIENT: MCSV

Courier: Fed Ex UPS USPS Client Commercial Pace Other

Tracking #: 7760 1944 3554

Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No

Packing Material: Bubble Wrap Bubble Bags Ziploc None Other

Thermometer Used: T-1091

Correction Factor: +0.2

Cooler Temperature (°C): 1.6

Cooler Temperature Corrected (°C): 1.8

Temperature Blank Present: Yes No

Type of Ice: Wet Blue None

Samples on ice, cooling process has begun

Date/Time 5035A kits placed in freezer _____

Temp should be above freezing to 6.0°C

USDA Regulated Soil (N/A, water sample)

Date and Initials of person examining contents: JT 8/20/19

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? YES NO

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

			COMMENTS:
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.	
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.	
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3.	
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.	
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.	
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	6.	
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.	
Sufficient Volume: (Triple volume provided for MS/MSD)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.	
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.	
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.	
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.	Note if sediment is visible in the dissolved container.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12.	
-Includes date/time/ID/Analysis Matrix <input checked="" type="checkbox"/> SL <input type="checkbox"/> WT <input type="checkbox"/> OIL			
All containers needing preservation have been checked	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.	<input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> HCl
pH paper Lot #			Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , HCl, NaOH > 9 Sulfide, NaOH > 12 Cyanide)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Initial when completed: _____ Lot # of added preservative: _____ Date/Time preservative added: _____
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis			
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.	
KI starch test strips Lot #			
Residual chlorine strips Lot #			Positive for Res. Chlorine? Y N
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.	
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.	
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Pace Trip Blank Lot # (if applicable): _____			

Client Notification/ Resolution: _____

Field Data Required? Y / N

Person Contacted: _____

Date/Time: _____

Comments/ Resolution: _____



Life Science Laboratories, Inc.

Jennifer Aracri
PACE Analytical Inc.
575 Broad Hollow Rd
Melville, NY 11747 USA

Phone: (631) 694-3040

Authorization: PO# 081919JM2001

Laboratory Analysis Report For PACE Analytical Inc.

LSL Project ID: 1913748

Receive Date/Time: 08/19/19 12:10

Life Science Laboratories, Inc. warrants, to the best of its knowledge and belief, the accuracy of the analytical test results contained in this report, but makes no other warranty, expressed or implied, especially no warranties of merchantability or fitness for a particular purpose. By the Client's acceptance and/or use of this report, the Client agrees that LSL is hereby released from any and all liabilities, claims, damages or causes of action affecting or which may affect the Client as regards to the results contained in this report. The Client further agrees that the only remedy available to the Client in the event of proven non-conformity with the above warranty shall be for LSL to re-perform the analytical test(s) at no charge to the Client. The data contained in this report are for the exclusive use of the Client to whom it is addressed, and the release of these data to any other party, or the use of the name, trademark or service mark of Life Science Laboratories, Inc. especially for the use of advertising to the general public, is strictly prohibited without express prior written consent of Life Science Laboratories, Inc. This report may only be reproduced in its entirety. No partial duplication is allowed. The Chain of Custody and the Shipment Condition documents submitted with these samples are considered by LSL to be an appendix of this report and may contain data qualifiers and specific information that pertains to the samples included in this report. The analytical result(s) in this report are only representative of the sample(s) submitted for analysis. LSL makes no claim of a sample's representativeness, or integrity, if sampling was not performed by LSL personnel.

Life Science Laboratories, Inc.

LSL Central Lab
5854 Butternut Drive
East Syracuse, NY 13057
Tel. (315) 445-1900
Fax (315) 445-1104

LSL North Lab
131 St. Lawrence Avenue
Waddington, NY 13694
Tel. (315) 388-4476
Fax (315) 388-4061

LSL Finger Lakes Lab
16 N. Main St., PO Box 424
Wayland, NY 14572
Tel. (585) 213-4090
Fax (585) 213-4192

LSL Southern Tier Office
Cuba, NY
Tel. (585) 209-4032

LSL MidLakes Office
Canandaigua, NY
Tel. (585) 728-3320

This report was reviewed by:

Date:

8/28/19

David J. Prichard, Director of Tech. Services

A copy of this report was sent to:

Date Printed:

Page 1 of 2

8/28/19

Page 22 of 24

-- LABORATORY ANALYSIS REPORT --

PACE Analytical Inc. Melville, NY

Sample ID: Manchester WWTP **LSL Sample ID:** 1913748-001
Location: Compost Pile #2
Sampled: 08/19/19 10:00 **Sampled By:**
Sample Matrix: SHW Dry Wt, Compost

Analytical Method	Result	Prep Method	Prep Date	Analysis Date & Time	Analyst Initials
Analyte		Units			
(1) EPA 1682(2014) Salmonella by MSRV					
Salmonella	<3	MPN/4g Dry		8/19/19 14:20	DA
<i>The NYS DOH ELAP does not offer certification for this analyte.</i>					
(1) SM 2540 B-2011 Total Solids					
Total Solids @ 103-105 C	54	%		8/26/19	CBR
<i>The NYS DOH ELAP does not offer certification for this analyte in this matrix.</i>					

Analysis performed at: (1) LSL Central, (2) LSL North, (3) LSL Finger Lakes



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed ac

1913748

PACE_Melville

7347

Section A

Required Client Information:

Company: **PACE ANALYTICAL**
 Address: 575 Broad Hollow Rd
 Melville, NY 11747
 Email To: **NYSUB@PACELABS.COM**
 Phone: _____ Fax: _____

Section B

Required Project Information:

Report to: _____
 Copy To: _____
 Purchase Order No.: **081919JM2001**
 Project Name: **MANCHESTER WWTP**
 Project Number: _____

Section C

Invoice Information:

Attention: **nysub@pacelabs.com**
 Company Name: _____
 Address: _____
 Pace Quote Reference: _____
 Pace Project Manager: **James Murphy**
 Pace Profile #: _____

NPDES GROUN
 UST RCRA OTHER _____
 SITE LOCATION: GA IL N MI NC
 OH SC WI OTHER_NY _____

Requested Due Date/TAT: _____ Project Number: _____ Pace Profile #: _____

ITEM #	Section D Required Client Information		MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Filtered (Y/N)	Requested Analysis:	Pace Project No. Lab I.D.	
	SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX CODE			COMPOSITE START		COMPOSITE END/GRAB				Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol				Na ₂ SO ₄
					DATE	TIME	DATE	TIME													
1	Compost Pile #2	SL	G	8-19-19	10:00 AM					1								X	001		
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
SALMONELLA SUBBED TO LSL	<i>C. M. ...</i>	8-19-19	12:10	<i>R. D. ...</i>	8/19/19	12:10	3	Y/N	Y/N	Y/N
								Y/N	Y/N	Y/N
								Y/N	Y/N	Y/N
								Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE
 PRINT Name of SAMPLER: _____
 SIGNATURE of SAMPLER: _____
 DATE Signed (MM / DD / YY): _____
 Temp in °C: _____
 Received on Ice: _____
 Custody Sealed Cooler: _____
 Samples Intact: _____