

New York State Department of Environmental Conservation
Division of Materials Management
Albany, New York 12233-7253

2019
REGISTERED OR PERMITTED FACILITY ANNUAL REPORT
COMPOSTING
(DO NOT USE THIS FORM FOR BIOSOLIDS COMPOSTING)
6 NYCRR Part 361-3.2

This annual report is for the year of operation from January 01, 2019 to December 31, 2019

Annual Report Form Due: No Later than March 1, 2020

This form may be used for all composting facilities under section 361-3.2 of the Part 360 series except for biosolids composting. Biosolids composting requires the submission of a different annual report form. Forms for all solid waste management facilities can be found at <http://www.dec.ny.gov/chemical/52706.html>. If you have any questions on this form, please e-mail organicrecycling@dec.ny.gov.

Failure to provide the required information requested is a violation of Environmental Conservation Law. Timely submission of a properly completed form to the Department's Regional Office that has jurisdiction over your facility and to the Department's Central Office is required to meet the Annual Report requirements of 6 NYCRR Part 360 series.

Attach additional sheets if space on the pages is insufficient or supplementary information is required or appropriate.

FACILITY NAME: Town of Shelter Island Recycling & Transfer Station

SW FACILITY ACTIVITY NUMBER(S): (Ex. 02P20099) 52P10282

COUNTY WHERE FACILITY IS LOCATED: Suffolk

DEC USE ONLY

Region: SWIMS:

MATRIX:

Date Reviewed:

Reviewed By:

Data Entered:

**COMPOST FACILITY ANNUAL REPORT
SECTION 1 – FACILITY INFORMATION**

FACILITY INFORMATION			
FACILITY NAME: Town of Shelter Island Recycling & Transfer Station			
FACILITY LOCATION ADDRESS: 34 North menantic Rd	FACILITY CITY: Shelter Island	STATE: N.Y.	ZIP CODE: 11964
FACILITY TOWN: Shelter Island	FACILITY COUNTY: Suffolk	FACILITY PHONE NUMBER: 631-749-1090	
NYSDEC REGION #: 1 Shelter Island (Town)			
FACILITY CONTACT: Brian Sherman			
CONTACT PHONE NUMBER: 631-749-1090		CONTACT EMAIL ADDRESS: bsherman@shelterislandtown.us	
OWNER INFORMATION			
OWNER NAME: Town of Shelter Island		OWNER PHONE NUMBER: 631-749-1090	
OWNER ADDRESS: 34 N. Menantic Rd / PO box 1000	OWNER CITY: Shelter Island	STATE: N.Y.	ZIP CODE: 11964
OWNER CONTACT: Brian Sherman		OWNER CONTACT EMAIL ADDRESS: bsherman@shelterislandtown.us	
OPERATOR INFORMATION			
OPERATOR NAME: <input checked="" type="checkbox"/> Same as owner			
PREFERENCES			
Preferred address to receive correspondence: <input type="radio"/> Facility location address <input checked="" type="radio"/> Owner address <input type="radio"/> Other (provide):			
Preferred email address: <input type="radio"/> Facility Contact <input checked="" type="radio"/> Owner Contact <input type="radio"/> Other (provide):			
Preferred individual to receive correspondence: <input type="radio"/> Facility Contact <input type="radio"/> Owner <input checked="" type="radio"/> Owner Contact <input type="radio"/> Other (provide):			
Did you operate in 2019? <input checked="" type="radio"/> Yes; Complete this form. <input type="radio"/> No; Complete and submit Sections 1, 12 and 13. If you no longer plan to operate and wish to relinquish your permit/registration associated with this solid waste management activity, please notify the regional office of your intent. See attachment for Regional Office addresses and contacts.			

SECTION 2 – QUANTITY OF MATERIAL RECEIVED

Please report quantities received from January 01, 2019 to December 31, 2019

	Inputs	Quantity	Unit	Source(s)
YARD WASTE	Leaves only	9,000	Cubic Yards	Homeowners & Contractors
	Grass Clippings	20	Cubic Yards	Homeowners & Contractors
	Mixture of Grass and Leaves		Choose Units	
	Brush (Small branches and limbs, <4 inch diameter)	2,516.92	Tons	Homeowners & Contractors
SSO	Source Separated Organics (Food scraps, soiled paper products, etc.)		Choose Units	
	Food Processing Waste (brewery grains, grape pomace, etc.)		Choose Units	
OTHER	Crop Residues (Corn stalks, etc.)		Choose Units	
	Manure (including bedding)	2	Tons	Homeowners
	Sawdust/Shavings		Choose Units	
	Animal Carcasses (road-kill, animal mortalities)		Choose Units	
	Paper Mill Residuals		Choose Units	
	Digestate		Choose Units	
	Other: _____		Choose Units	
BULKING AGENT	Woodchips	823.23	Tons	Contractors
	Sawdust		Choose Units	
	Other: _____		Choose Units	

If **PERMITTED SSO** composting facility, continue to Section #5
SSO – Source Separated Organics

ALL OTHER COMPOSTING FACILITIES, continue to Section #9

SECTION 5 – PATHOGEN AND VECTOR ATTRACTION REDUCTION

For permitted SSO composting facilities only. Check one method for each:

Pathogen Reduction 361-3.7(a)

- Windrow Composting
- Aerated Static Pile Composting
- In-vessel Composting
- Other (specify): _____

Vector Attraction Reduction 361-3.7(b)

- 38 % Volatile Solids Reduction
- SOUR
- Aerobic Process 14 days, $\geq 40\text{C}$, $\geq 45\text{ C avg}$.

Attach operating and monitoring data to show compliance with methods chosen. Temperature data records should indicate when a pile was created, pile was moved, additional material was added and/or pile was turned.

SECTION 6 – FINISHED COMPOST ANALYSIS

For permitted SSOW composting facilities only. Please attach sampling analyses and laboratory reports as required under Part 360 or your permit. Copies of original laboratory results must be attached. All results, except pH and Total Solids, must be on a dry weight basis. See 361-3.9 Table 6 for pollutant limits and Table 5 for annual product testing frequency 361-3.9 Table 5.

Summarize data in table below or attached document. Print additional pages as needed.

Analysis Date =====>					Max. Conc. (mg/kg)
Arsenic (mg/kg)					41
Cadmium (mg/kg)					10
Chromium (mg/kg)					1,000
Copper (mg/kg)					1,500
Lead (mg/kg)					300
Mercury (mg/kg)					10
Molybdenum (mg/kg)					40
Nickel (mg/kg)					200
Selenium (mg/kg)					100
Zinc (mg/kg)					2,500
TKN (mg/kg)					
Ammonia Nitrogen (mg/kg)					
Nitrate (mg/kg)					
Total Phosphorus (mg/kg)					
Total Potassium (mg/kg)					
pH (s.u.)					
Total Solids(%)					
Total Volatile Solids (%)					
Fecal Coliform (MPN/g)					<1,000 MPN/g
Salmonella (MPN/4g)					<3MPN/4g
Other_____					

SECTION 7 –SAMPLE MANAGEMENT PLAN

For permitted SSO composting facilities only. Describe the number, frequency and location of samples taken. Include a diagram showing all sampling locations.

SECTION 8 – ATTACHMENTS (IF REQUIRED)

Permitted SSO composting facilities, please attach:

- Temperature monitoring and detention time data.
- Sample analyses laboratory reports.
- Any additional reporting requirements.

Do you have a variance to the Part 360 permit requirements? Yes No

If yes, please describe:

SECTION 9 – UNAUTHORIZED WASTE

Has unauthorized solid waste been received at the composting facility during the reporting period?

Yes No

If yes, give information below for each incident (attach additional sheets if necessary):

SECTION 10 – PROBLEMS/COMPLAINTS

Describe any operational problems or neighbor complaints arising from the composting operation and include any methods used to remedy the situations. This should include odor complaints, marketing difficulties, major equipment failure, etc.

None

SECTION 11 – QUESTIONS

Please identify any questions or concerns that you would like the Department to answer or consider:

None

SECTION 12 – FOOD DONATION & FOOD SCRAPS RECYCLING LAW

If you are registered or permitted to compost food scraps please complete the following. For all other operations that are interested in processing food scraps, please contact your DEC regional office to determine what is required.

In 2019, New York State passed the Food Donation & Food Scraps Recycling law. Effective January 1, 2022, large generators of food scraps (defined as generating an annual average of two tons per week or more) must donate excess food and recycle all remaining food scraps if they are within 25 miles of an organics recycler (composting facility, anaerobic digester, etc.). Examples of large generators include: large restaurants, grocery stores, hotels, colleges, etc. For more information visit: <https://www.dec.ny.gov/chemical/114499.html>

Contact Information

Under this legislation, DEC is responsible for providing a list of organics recyclers (compost facilities, anaerobic digesters, etc.) to large generators so they can determine available food scraps recycling opportunities in their area.

You will be included in this listing if you hold a permit or registration for the composting of source separated organics or food scraps. This will educate both large generators and haulers of food scraps that you are an available composter in their area.

Please provide the following information to include in the listing.

Name of Business: _____

Business Phone Number: _____

Business Email: _____

Business Website: _____

I would like to opt out of DEC listing my facility as an available food scraps recycler for large generators as it relates to the Food Donation and Food Scraps Recycling law.

Assessing Your Food Scraps Recycling Capacity

DEC is responsible for assessing available food scraps recycling capacity across New York State. Information from your operation will help us do this. Please complete the following section to calculate the amount of excess food scraps your operation will have the capability to process in **2022**. Please stay consistent with units (wet tons or cubic yards).

A. Amount of food scraps projected to be processed in **2020**: _____ Choose Unit

B. Amount of food scraps projected to be processed in **2022**: _____ Choose Unit

* Note: You will not be required to process this quantity of material, these estimates will only be used to assist DEC in capacity planning across the state in preparation for the Food Donation and Food Scraps Recycling law effective January 1, 2022.

Questions?

DEC USE ONLY
Excess Capacity:

SECTION 13 - CERTIFICATION

The Owner or Operator must sign, date and submit one completed form with an original signature to the appropriate Regional Office (See attachment for Regional Office addresses and Contacts.)

The Owner or Operator must also submit one copy by email, fax or mail to:

**NYS Department of Environmental Conservation
Bureau of Waste Reduction and Recycling – Annual Report
625 Broadway – 9th Floor
Albany, New York 12233-7253**

Phone: 518-402-8706

Fax 518-402-9024

Email address: organicrecycling@dec.ny.gov

I certify, under penalty of law, that the information that will be used to determine compliance with the requirements in Subpart 361-3 of 6 NYCRR Part 361 has been prepared under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate this information. I am aware that false statement made herein are punishable pursuant to section 210.45 of the penal law.

Brian Sherman

Signature

01/12/2020

Date

Brian Sherman

Name (Print)

Commissioner of public Works

Title (Print)

bsherman@shelterislandtown.us

Email (Print)

34 N. Menantic Rd / PO box 1000

Address

Shelter Island

City

N.Y. 11964

State and Zip

631 749 1090

Phone Number

ATTACHMENTS: NO YES (IF YES, LIST ATTACHMENTS)

- Soil Analysis
- _____
- _____

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Fagan Engineers
Project: Shelter Island Landfill/Part 375 Solids
Sample Matrix: Soil

Service Request: R1904555
Date Collected: 05/20/19 13:20
Date Received: 05/22/19 07:55

Sample Name: Top Soil
Lab Code: R1904555-001

Units: ug/Kg
Basis: Dry

Volatile Organic Compounds by GC/MS, Unp

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	6.8 U	6.8	1	05/28/19 15:00	
1,1-Dichloroethane (1,1-DCA)	6.8 U	6.8	1	05/28/19 15:00	
1,1-Dichloroethene (1,1-DCE)	6.8 U	6.8	1	05/28/19 15:00	
1,2,4-Trimethylbenzene	6.8 U	6.8	1	05/28/19 15:00	
1,2-Dichlorobenzene	6.8 U	6.8	1	05/28/19 15:00	
1,2-Dichloroethane	6.8 U	6.8	1	05/28/19 15:00	
1,3,5-Trimethylbenzene	6.8 U	6.8	1	05/28/19 15:00	
1,3-Dichlorobenzene	6.8 U	6.8	1	05/28/19 15:00	
1,4-Dichlorobenzene	6.8 U	6.8	1	05/28/19 15:00	
2-Butanone (MEK)	6.8 U	6.8	1	05/28/19 15:00	
Acetone	6.8 U	6.8	1	05/28/19 15:00	
Benzene	6.8 U	6.8	1	05/28/19 15:00	
Carbon Tetrachloride	6.8 U	6.8	1	05/28/19 15:00	
Chlorobenzene	6.8 U	6.8	1	05/28/19 15:00	
Chloroform	6.8 U	6.8	1	05/28/19 15:00	
Dichloromethane	6.8 U	6.8	1	05/28/19 15:00	
Ethylbenzene	6.8 U	6.8	1	05/28/19 15:00	
Methyl tert-Butyl Ether	6.8 U	6.8	1	05/28/19 15:00	
Tetrachloroethene (PCE)	6.8 U	6.8	1	05/28/19 15:00	
Toluene	6.8 U	6.8	1	05/28/19 15:00	
Trichloroethene (TCE)	6.8 U	6.8	1	05/28/19 15:00	
Vinyl Chloride	6.8 U	6.8	1	05/28/19 15:00	
cis-1,2-Dichloroethene	6.8 U	6.8	1	05/28/19 15:00	
m,p-Xylenes	14 U	14	1	05/28/19 15:00	
n-Butylbenzene	6.8 U	6.8	1	05/28/19 15:00	
n-Propylbenzene	6.8 U	6.8	1	05/28/19 15:00	
o-Xylene	6.8 U	6.8	1	05/28/19 15:00	
sec-Butylbenzene	6.8 U	6.8	1	05/28/19 15:00	
tert-Butylbenzene	6.8 U	6.8	1	05/28/19 15:00	
trans-1,2-Dichloroethene	6.8 U	6.8	1	05/28/19 15:00	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	60	31 - 154	05/28/19 15:00	
Dibromofluoromethane	99	63 - 138	05/28/19 15:00	
Toluene-d8	92	66 - 138	05/28/19 15:00	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Fagan Engineers
Project: Shelter Island Landfill/Part 375 Solids
Sample Matrix: Soil

Service Request: R1904555
Date Collected: 05/20/19 13:20
Date Received: 05/22/19 07:55

Sample Name: Top Soil
Lab Code: R1904555-001

Units: ug/Kg
Basis: Dry

Volatile Organic Compounds by GC/MS, Unp

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	6.8 U	6.8	1	05/28/19 19:16	
1,1-Dichloroethane (1,1-DCA)	6.8 U	6.8	1	05/28/19 19:16	
1,1-Dichloroethene (1,1-DCE)	6.8 U	6.8	1	05/28/19 19:16	
1,2,4-Trimethylbenzene	6.8 U	6.8	1	05/28/19 19:16	
1,2-Dichlorobenzene	6.8 U	6.8	1	05/28/19 19:16	
1,2-Dichloroethane	6.8 U	6.8	1	05/28/19 19:16	
1,3,5-Trimethylbenzene	6.8 U	6.8	1	05/28/19 19:16	
1,3-Dichlorobenzene	6.8 U	6.8	1	05/28/19 19:16	
1,4-Dichlorobenzene	6.8 U	6.8	1	05/28/19 19:16	
2-Butanone (MEK)	6.8 U	6.8	1	05/28/19 19:16	
Acetone	6.8 U	6.8	1	05/28/19 19:16	
Benzene	6.8 U	6.8	1	05/28/19 19:16	
Carbon Tetrachloride	6.8 U	6.8	1	05/28/19 19:16	
Chlorobenzene	6.8 U	6.8	1	05/28/19 19:16	
Chloroform	6.8 U	6.8	1	05/28/19 19:16	
Dichloromethane	6.8 U	6.8	1	05/28/19 19:16	
Ethylbenzene	6.8 U	6.8	1	05/28/19 19:16	
Methyl tert-Butyl Ether	6.8 U	6.8	1	05/28/19 19:16	
Tetrachloroethene (PCE)	6.8 U	6.8	1	05/28/19 19:16	
Toluene	6.8 U	6.8	1	05/28/19 19:16	
Trichloroethene (TCE)	6.8 U	6.8	1	05/28/19 19:16	
Vinyl Chloride	6.8 U	6.8	1	05/28/19 19:16	
cis-1,2-Dichloroethene	6.8 U	6.8	1	05/28/19 19:16	
m,p-Xylenes	14 U	14	1	05/28/19 19:16	
n-Butylbenzene	6.8 U	6.8	1	05/28/19 19:16	
n-Propylbenzene	6.8 U	6.8	1	05/28/19 19:16	
o-Xylene	6.8 U	6.8	1	05/28/19 19:16	
sec-Butylbenzene	6.8 U	6.8	1	05/28/19 19:16	
tert-Butylbenzene	6.8 U	6.8	1	05/28/19 19:16	
trans-1,2-Dichloroethene	6.8 U	6.8	1	05/28/19 19:16	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	65	31 - 154	05/28/19 19:16	
Dibromofluoromethane	101	63 - 138	05/28/19 19:16	
Toluene-d8	96	66 - 138	05/28/19 19:16	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Fagan Engineers
Project: Shelter Island Landfill/Part 375 Solids
Sample Matrix: Soil

Service Request: R1904555
Date Collected: 05/20/19 13:20
Date Received: 05/22/19 07:55

Sample Name: Top Soil
Lab Code: R1904555-001

Units: ug/Kg
Basis: Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
o-Cresol	290 U	290	1	05/28/19 17:13	5/23/19	
m,p-Cresols	450 U	450	1	05/28/19 17:13	5/23/19	
Acenaphthene	270 U	270	1	05/28/19 17:13	5/23/19	
Acenaphthylene	270 U	270	1	05/28/19 17:13	5/23/19	
Anthracene	270 U	270	1	05/28/19 17:13	5/23/19	
Benz(a)anthracene	270 U	270	1	05/28/19 17:13	5/23/19	
Benzo(a)pyrene	270 U	270	1	05/28/19 17:13	5/23/19	
Benzo(b)fluoranthene	270 U	270	1	05/28/19 17:13	5/23/19	
Benzo(g,h,i)perylene	270 U	270	1	05/28/19 17:13	5/23/19	
Benzo(k)fluoranthene	270 U	270	1	05/28/19 17:13	5/23/19	
Chrysene	270 U	270	1	05/28/19 17:13	5/23/19	
Dibenz(a,h)anthracene	270 U	270	1	05/28/19 17:13	5/23/19	
Dibenzofuran	450 U	450	1	05/28/19 17:13	5/23/19	
Fluoranthene	270 U	270	1	05/28/19 17:13	5/23/19	
Fluorene	270 U	270	1	05/28/19 17:13	5/23/19	
Hexachlorobenzene	270 U	270	1	05/28/19 17:13	5/23/19	
Indeno(1,2,3-cd)pyrene	270 U	270	1	05/28/19 17:13	5/23/19	
Naphthalene	270 U	270	1	05/28/19 17:13	5/23/19	
Pentachlorophenol	2300 U	2300	1	05/28/19 17:13	5/23/19	
Phenanthrene	270 U	270	1	05/28/19 17:13	5/23/19	
Phenol	270 U	270	1	05/28/19 17:13	5/23/19	
Pyrene	270 U	270	1	05/28/19 17:13	5/23/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	45	10 - 109	05/28/19 17:13	
2-Fluorobiphenyl	30	10 - 102	05/28/19 17:13	
2-Fluorophenol	29	10 - 88	05/28/19 17:13	
Nitrobenzene-d5	26	10 - 95	05/28/19 17:13	
Phenol-d6	29	10 - 145	05/28/19 17:13	
p-Terphenyl-d14	43	10 - 106	05/28/19 17:13	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Fagan Engineers
Project: Shelter Island Landfill/Part 375 Solids
Sample Matrix: Soil

Service Request: R1904555
Date Collected: 05/20/19 13:20
Date Received: 05/22/19 07:55

Sample Name: Top Soil
Lab Code: R1904555-001

Units: ug/Kg
Basis: Dry

Low Level Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	93 U	93	1	06/06/19 11:17	5/31/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2-Fluorobiphenyl	79	10 - 115	06/06/19 11:17	
Nitrobenzene-d5	84	10 - 130	06/06/19 11:17	
p-Terphenyl-d14	75	10 - 130	06/06/19 11:17	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Fagan Engineers
Project: Shelter Island Landfill/Part 375 Solids
Sample Matrix: Soil

Service Request: R1904555
Date Collected: 05/20/19 13:20
Date Received: 05/22/19 07:55

Sample Name: Top Soil
Lab Code: R1904555-001

Units: ug/Kg
Basis: Dry

Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081B
Prep Method: EPA 3541

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
4,4'-DDD	12 U	12	5	06/01/19 09:18	5/28/19	
4,4'-DDE	12 U	12	5	06/01/19 09:18	5/28/19	
4,4'-DDT	12 U	12	5	06/01/19 09:18	5/28/19	
Aldrin	12 U	12	5	06/01/19 09:18	5/28/19	
Dieldrin	12 U	12	5	06/01/19 09:18	5/28/19	
Endosulfan I	12 U	12	5	06/01/19 09:18	5/28/19	
Endosulfan II	12 U	12	5	06/01/19 09:18	5/28/19	
Endosulfan Sulfate	12 U	12	5	06/01/19 09:18	5/28/19	
Endrin	12 U	12	5	06/01/19 09:18	5/28/19	
Heptachlor	12 U	12	5	06/01/19 09:18	5/28/19	
alpha-BHC	12 U	12	5	06/01/19 09:18	5/28/19	
alpha-Chlordane	12 U	12	5	06/01/19 09:18	5/28/19	
beta-BHC	12 U	12	5	06/01/19 09:18	5/28/19	
delta-BHC	12 U	12	5	06/01/19 09:18	5/28/19	
Lindane	12 U	12	5	06/01/19 09:18	5/28/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	41	10 - 145	06/01/19 09:18	
Tetrachloro-m-xylene	38	10 - 123	06/01/19 09:18	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Fagan Engineers
Project: Shelter Island Landfill/Part 375 Solids
Sample Matrix: Soil

Service Request: R1904555
Date Collected: 05/20/19 13:20
Date Received: 05/22/19 07:55

Sample Name: Top Soil
Lab Code: R1904555-001

Units: ug/Kg
Basis: Dry

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3541

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	45 U	45	1	05/29/19 20:06	5/28/19	
Aroclor 1221	91 U	91	1	05/29/19 20:06	5/28/19	
Aroclor 1232	45 U	45	1	05/29/19 20:06	5/28/19	
Aroclor 1242	45 U	45	1	05/29/19 20:06	5/28/19	
Aroclor 1248	45 U	45	1	05/29/19 20:06	5/28/19	
Aroclor 1254	45 U	45	1	05/29/19 20:06	5/28/19	
Aroclor 1260	45 U	45	1	05/29/19 20:06	5/28/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	45	22 - 128	05/29/19 20:06	
Tetrachloro-m-xylene	31	14 - 119	05/29/19 20:06	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Fagan Engineers
Project: Shelter Island Landfill/Part 375 Solids
Sample Matrix: Soil
Sample Name: Top Soil
Lab Code: R1904555-001

Service Request: R1904555
Date Collected: 05/20/19 13:20
Date Received: 05/22/19 07:55

Units: ug/Kg
Basis: Dry

Chlorinated Herbicides by GC

Analysis Method: 8151A
Prep Method: Method

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
2,4,5-TP	14 U	14	1	06/04/19 22:34	5/30/19	
Pentachlorophenol (PCP)	14 U	14	1	06/04/19 22:34	5/30/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
DCAA	55	10 - 151	06/04/19 22:34	

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Analytical Report

Client: Fagan Engineers
Project: Shelter Island Landfill/Part 375 Solids
Sample Matrix: Soil
Sample Name: Top Soil
Lab Code: R1904555-001

Service Request: R1904555
Date Collected: 05/20/19 13:20
Date Received: 05/22/19 07:55

Basis: Dry

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Arsenic, Total	6010C	1.4	mg/Kg	1.3	1	06/03/19 09:23	05/29/19	
Barium, Total	6010C	23.4	mg/Kg	2.7	1	05/30/19 18:45	05/29/19	
Beryllium, Total	6010C	0.40 U	mg/Kg	0.40	1	05/30/19 18:45	05/29/19	
Cadmium, Total	6010C	0.67 U	mg/Kg	0.67	1	05/30/19 18:45	05/29/19	
Chromium, Total	6010C	6.0	mg/Kg	1.3	1	05/30/19 18:45	05/29/19	
Copper, Total	6010C	15.8	mg/Kg	2.7	1	05/30/19 18:45	05/29/19	
Lead, Total	6010C	14.3	mg/Kg	6.7	1	05/30/19 18:45	05/29/19	
Manganese, Total	6010C	116	mg/Kg	2.7	1	05/30/19 18:45	05/29/19	
Mercury, Total	7471B	0.042 U	mg/Kg	0.042	1	05/31/19 12:38	05/30/19	
Nickel, Total	6010C	5.4 U	mg/Kg	5.4	1	05/30/19 18:45	05/29/19	
Selenium, Total	6010C	1.3 U	mg/Kg	1.3	1	06/03/19 09:23	05/29/19	
Silver, Total	6010C	1.3 U	mg/Kg	1.3	1	05/30/19 18:45	05/29/19	
Zinc, Total	6010C	32.6	mg/Kg	2.7	1	05/30/19 18:45	05/29/19	

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Analytical Report

Client: Fagan Engineers
Project: Shelter Island Landfill/Part 375 Solids
Sample Matrix: Soil
Sample Name: Top Soil
Lab Code: R1904555-001

Service Request: R1904555
Date Collected: 05/20/19 13:20
Date Received: 05/22/19 07:55
Basis: Dry, per Method

Inorganic Parameters

<u>Analyte Name</u>	<u>Analysis Method</u>	<u>Result</u>	<u>Units</u>	<u>MRL</u>	<u>Dil.</u>	<u>Date Analyzed</u>	<u>Date Extracted</u>	<u>Q</u>
Carbon, Total Organic (TOC)	EPA LKahn 7-27-1988	49100	mg/Kg	2000	1	06/03/19 17:49	NA	

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Analytical Report

Client: Fagan Engineers
Project: Shelter Island Landfill/Part 375 Solids
Sample Matrix: Soil
Sample Name: Top Soil
Lab Code: R1904555-001

Service Request: R1904555
Date Collected: 05/20/19 13:20
Date Received: 05/22/19 07:55

Basis: Dry

Inorganic Parameters

<u>Analyte Name</u>	<u>Analysis Method</u>	<u>Result</u>	<u>Units</u>	<u>MRL</u>	<u>Dil.</u>	<u>Date Analyzed</u>	<u>Date Extracted</u>	<u>Q</u>
Chromium, Hexavalent	7199	0.54 U	mg/Kg	0.54	1	05/31/19 08:44	05/30/19	
Chromium, Hexavalent	7199	0.54 U	mg/Kg	0.54	1	05/31/19 08:33	05/30/19	
Chromium, Trivalent	Calculation	6.0	mg/Kg	1.0	1	NA	NA	
Cyanide, Total	9012B	0.40 U	mg/Kg	0.40	1	05/31/19 13:07	05/30/19	

ALS Group USA, Corp.
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Analytical Report

Client: Fagan Engineers
Project: Shelter Island Landfill/Part 375 Solids
Sample Matrix: Soil
Sample Name: Top Soil
Lab Code: R1904555-001

Service Request: R1904555
Date Collected: 05/20/19 13:20
Date Received: 05/22/19 07:55
Basis: As Received

Inorganic Parameters

<u>Analyte Name</u>	<u>Analysis Method</u>	<u>Result</u>	<u>Units</u>	<u>MRL</u>	<u>Dil.</u>	<u>Date Analyzed</u>	<u>Date Extracted</u>	<u>Q</u>
Total Solids	ALS SOP	73.3	Percent	-	1	05/24/19 09:40	NA	