



**LONG
ISLAND
ANALYTICAL
LABORATORIES INC.**

"TOMORROWS ANALYTICAL SOLUTIONS TODAY"

Laboratory Report

NYSDOH ELAP# 11693
USEPA# NY01273
CTDOH# PH-0284
AIHA# 164456
NJDEP# NY012
PADEP# 68-2943

LIAL# 9081904

August 29, 2019

MPC Corp
Fred Lalezarian
81 Rockdale Avenue
New Rochelle, NY 10801

Re: PS 169 Queens

Dear Fred Lalezarian,

Enclosed please find the laboratory Analysis Report(s) for sample(s) received on August 19, 2019. Long Island Analytical laboratories analyzed the samples on August 29, 2019 for the following:

SAMPLE ID	ANALYSIS
Excavated Soil From Alley Way For Trench And Footing	EPH 8015 D, TAL Target Analyte List, TCL Target Compound List, TCLP (8) Metals

Samples received at 1.5 ° C

If you have any questions or require further information, please call at your convenience. Long Island Analytical Laboratories Inc. is a NELAP accredited laboratory. All reported results meet the requirements of the NELAP standards unless noted. Report shall not be reproduced except in full without the written approval of the laboratory. Results related only to items tested. Long Island Analytical Laboratories would like to thank you for the opportunity to be of service to you.

Best Regards,

Long Island Analytical Laboratories, Inc.

Michael Veraldi - Laboratory Director

Client: MPCC Corp	Client ID: PS 169 Queens
Date (Time) Collected: 08/16/2019 10:00	Sample ID: Excavated Soil From Alley Way For Trench An
Date (Time) Received: 08/19/2019 08:07	Laboratory ID: 9081904-01 % Solid:90.71
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1-Trichloroethane	71-55-6	5.43	<5.43	ug/kg dry	
1,1,2,2-Tetrachloroethane	79-34-5	5.43	<5.43	ug/kg dry	
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	5.43	<5.43	ug/kg dry	4.K, 4.M, 4.T
1,1,2-Trichloroethane	79-00-5	5.43	<5.43	ug/kg dry	
1,1-Dichloroethane	75-34-3	5.43	<5.43	ug/kg dry	
1,1-Dichloroethene	75-35-4	5.43	<5.43	ug/kg dry	
1,2,3-Trichlorobenzene	87-61-6	5.43	<5.43	ug/kg dry	4.N
1,2,4-Trichlorobenzene	120-82-1	5.43	<5.43	ug/kg dry	4.N
1,2-Dibromo-3-chloropropane	96-12-8	5.43	<5.43	ug/kg dry	
1,2-Dibromoethane	106-93-4	5.43	<5.43	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	5.43	<5.43	ug/kg dry	
1,2-Dichloroethane	107-06-2	5.43	<5.43	ug/kg dry	
1,2-Dichloropropane	78-87-5	5.43	<5.43	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	5.43	<5.43	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	5.43	<5.43	ug/kg dry	
1,4-Dioxane	123-91-1	27.1	<27.1	ug/kg dry	4.N
4-Methyl-2-Pentanone	108-10-1	10.9	<10.9	ug/kg dry	4.J, 4.N
Acetone	67-64-1	21.7	46.3	ug/kg dry	4.K, 4.M, 4.G
Acrolein	107-02-8	10.9	<10.9	ug/kg dry	
Acrylonitrile	107-13-1	10.9	<10.9	ug/kg dry	
Benzene	71-43-2	5.43	<5.43	ug/kg dry	
Bromochloromethane	74-97-5	5.43	<5.43	ug/kg dry	
Bromodichloromethane	75-27-4	5.43	<5.43	ug/kg dry	
Bromoform	75-25-2	5.43	<5.43	ug/kg dry	
Bromomethane	74-83-9	5.43	<5.43	ug/kg dry	
Carbon disulfide	75-15-0	5.43	<5.43	ug/kg dry	
Carbon Tetrachloride	56-23-5	5.43	<5.43	ug/kg dry	
Chlorobenzene	108-90-7	5.43	<5.43	ug/kg dry	
Chloroethane	75-00-3	5.43	<5.43	ug/kg dry	4.J, 4.N
Chloroform	67-66-3	5.43	<5.43	ug/kg dry	

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Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Chloromethane	74-87-3	5.43	<5.43	ug/kg dry	
cis-1,2-Dichloroethene	156-59-2	5.43	<5.43	ug/kg dry	
cis-1,3-Dichloropropene	10061-01-5	10.9	<10.9	ug/kg dry	
Dibromochloromethane	124-48-1	5.43	<5.43	ug/kg dry	
Dichlorodifluoromethane	75-71-8	5.43	<5.43	ug/kg dry	
Ethylbenzene	100-41-4	5.43	<5.43	ug/kg dry	
Isopropylbenzene (Cumene)	98-82-8	5.43	<5.43	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	10.9	<10.9	ug/kg dry	
Methyl Acetate	79-20-9	5.43	<5.43	ug/kg dry	4.M
Methyl Butyl Ketone (2-Hexanone)	591-78-6	10.9	<10.9	ug/kg dry	4.N
Methyl Ethyl Ketone (2-Butanone)	78-93-3	10.9	<10.9	ug/kg dry	
Methylene Chloride	75-09-2	5.43	<5.43	ug/kg dry	4.K, 4.M, 4.G
Methyl-tert-Butyl Ether	1634-04-4	5.43	<5.43	ug/kg dry	
o-Xylene	95-47-6	5.43	<5.43	ug/kg dry	
Styrene	100-42-5	5.43	<5.43	ug/kg dry	
tert-Butyl alcohol	75-65-0	10.9	<10.9	ug/kg dry	4.M
Tetrachloroethene	127-18-4	5.43	<5.43	ug/kg dry	
Toluene	108-88-3	5.43	<5.43	ug/kg dry	
trans-1,2-Dichloroethene	156-60-5	5.43	<5.43	ug/kg dry	
trans-1,3-Dichloropropene	10061-02-6	5.43	<5.43	ug/kg dry	
Trichloroethene	79-01-6	5.43	<5.43	ug/kg dry	
Trichlorofluoromethane	75-69-4	5.43	<5.43	ug/kg dry	4.K, 4.M
Vinyl chloride	75-01-4	5.43	<5.43	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
1,2-Dichloroethane-d4	10706-07-0	103	74.4-131	
4-Bromofluorobenzene	460-00-4	110	82.3-134	
Dibromofluoromethane	1868-53-7	100	79.4-122	
Toluene-d8	2037-26-5	101	85-123	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	60	50-200	

Client: MPCC Corp	Client ID: PS 169 Queens
Date (Time) Collected: 08/16/2019 10:00	Sample ID: Excavated Soil From Alley Way For Trench An
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Matrix: Soil	ELAP: #11693

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Difluorobenzene	540-36-3	91	50-200	
Chlorobenzene-d5	3114-55-4	75	50-200	
Pentafluorobenzene	363-72-4	95	50-200	

Date Prepared: 08/19/2019

Preparation Method: EPA 5035A-L

Date Analyzed: 08/21/2019

Analytical Method: EPA 8260 C

Client: MPCC Corp	Client ID: PS 169 Queens
Date (Time) Collected: 08/16/2019 10:00	Sample ID: Excavated Soil From Alley Way For Trench An
Date (Time) Received: 08/19/2019 08:07	Laboratory ID: 9081904-01 % Solid:90.71
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
2,2'-Oxybis(1-Chloropropane)	108-60-1	165	<165	ug/kg dry	
2,4,5-Trichlorophenol	95-95-4	165	<165	ug/kg dry	4.N
2,4,6-Trichlorophenol	88-06-2	165	<165	ug/kg dry	
2,4-Dichlorophenol	120-83-2	165	<165	ug/kg dry	
2,4-Dimethylphenol	105-67-9	165	<165	ug/kg dry	
2,4-Dinitrophenol	51-28-5	367	<367	ug/kg dry	
2,4-Dinitrotoluene	121-14-2	165	<165	ug/kg dry	4.N
2,6-Dinitrotoluene	606-20-2	165	<165	ug/kg dry	4.N
2-Chloronaphthalene	91-58-7	165	<165	ug/kg dry	4.N
2-Chlorophenol	95-57-8	165	<165	ug/kg dry	
2-Methylnaphthalene	91-57-6	165	<165	ug/kg dry	
2-Methylphenol	95-48-7	331	<331	ug/kg dry	
2-Nitroaniline	88-74-4	165	<165	ug/kg dry	4.N
2-Nitrophenol	88-75-5	165	<165	ug/kg dry	
3,3'-Dichlorobenzidine	91-94-1	331	<331	ug/kg dry	
3/4-Methylphenol	108-39-4/106-44-5	165	<165	ug/kg dry	
3-Nitroaniline	99-09-2	165	<165	ug/kg dry	
4,6-Dinitro-2-methylphenol	534-52-1	165	<165	ug/kg dry	
4-Bromophenyl phenyl ether	101-55-3	165	<165	ug/kg dry	
4-Chloro-3-methylphenol	59-50-7	165	<165	ug/kg dry	4.N
4-Chloroaniline	106-47-8	165	<165	ug/kg dry	
4-Chlorophenyl phenyl ether	7005-72-3	165	<165	ug/kg dry	
4-Nitroaniline	100-01-6	165	<165	ug/kg dry	4.N
4-Nitrophenol	100-02-7	165	<165	ug/kg dry	
Acenaphthene	83-32-9	165	<165	ug/kg dry	
Acenaphthylene	208-96-8	165	<165	ug/kg dry	
Anthracene	120-12-7	165	<165	ug/kg dry	
Benzidine	92-87-5	331	<331	ug/kg dry	4.J
Benzo(a)anthracene	56-55-3	165	<165	ug/kg dry	
Benzo(a)pyrene	50-32-8	165	<165	ug/kg dry	

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Parameter	CAS No.	LOQ	Result	Units	Flag
Benzo(b)fluoranthene	205-99-2	331	<331	ug/kg dry	
Benzo(g,h,i)perylene	191-24-2	165	<165	ug/kg dry	
Benzo(k)fluoranthene	207-08-9	165	<165	ug/kg dry	
bis(2-Chloroethoxy)methane	111-91-1	165	<165	ug/kg dry	
Bis(2-Chloroethyl)ether	111-44-4	165	<165	ug/kg dry	
Bis(2-Ethylhexyl)phthalate	117-81-7	165	<165	ug/kg dry	
Butyl benzyl phthalate	85-68-7	165	<165	ug/kg dry	
Carbazole	86-74-8	165	<165	ug/kg dry	
Chrysene	218-01-9	165	<165	ug/kg dry	
Dibenzo(a,h)anthracene	53-70-3	165	<165	ug/kg dry	
Dibenzofuran	132-64-9	165	<165	ug/kg dry	
Diethyl phthalate	84-66-2	165	<165	ug/kg dry	
Dimethyl phthalate	131-11-3	165	<165	ug/kg dry	4.N
Di-n-butyl phthalate	84-74-2	331	<331	ug/kg dry	
Di-n-octyl phthalate	117-84-0	165	<165	ug/kg dry	
Fluoranthene	206-44-0	165	253	ug/kg dry	
Fluorene	86-73-7	165	<165	ug/kg dry	
Hexachlorobenzene	118-74-1	165	<165	ug/kg dry	
Hexachlorobutadiene	87-68-3	165	<165	ug/kg dry	
Hexachlorocyclopentadiene	77-47-4	331	<331	ug/kg dry	4.G
Hexachloroethane	67-72-1	165	<165	ug/kg dry	
Indeno(1,2,3-cd)pyrene	193-39-5	165	<165	ug/kg dry	
Isophorone	78-59-1	331	<331	ug/kg dry	
Naphthalene	91-20-3	165	<165	ug/kg dry	
Nitrobenzene	98-95-3	165	<165	ug/kg dry	
N-Nitrosodimethylamine	62-75-9	165	<165	ug/kg dry	
N-Nitroso-di-n-propylamine	621-64-7	165	<165	ug/kg dry	
N-Nitrosodiphenylamine	86-30-6	165	<165	ug/kg dry	
Pentachlorophenol	87-86-5	165	<165	ug/kg dry	4.N

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Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Phenanthrene	85-01-8	165	<165	ug/kg dry	
Phenol	108-95-2	165	<165	ug/kg dry	
Pyrene	129-00-0	165	218	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2,4,6-Tribromophenol	118-79-6	39	18.04-120.2	
2-Fluorobiphenyl	321-60-8	50	34.39-110.73	
2-Fluorophenol	367-12-4	53	22.98-107.57	
Nitrobenzene-d5	4165-60-0	53	31-118.25	
Phenol-d6	13127-88-3	53	35.55-111.39	
Terphenyl-d14	1718-51-0	55	41.02-106	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	110	50-200	
Acenaphthene-d10	15067-26-2	106	50-200	
Chrysene-d12	1719-03-5	95	50-200	
Naphthalene-d8	1146-65-2	108	50-200	
Perylene-d12	1520-96-3	94	50-200	
Phenanthrene-d10	1517-22-2	103	50-200	

Date Prepared: 08/26/2019

Preparation Method: EPA 3545 A

Date Analyzed: 08/27/2019

Analytical Method: EPA 8270 D

Client: MPCC Corp	Client ID: PS 169 Queens
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Date (Time) Received: 08/19/2019 08:07	Laboratory ID: 9081904-01 % Solid:90.71
Matrix: Soil	ELAP: #11693

Additional Semivolatile Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1-Biphenyl	92-52-4	165	<165	ug/kg dry	
1,2-Diphenylhydrazine/Azobenzene	122-66-7/103-33-3	165	<165	ug/kg dry	4.M
Acetophenone	989-86-2	165	<165	ug/kg dry	
Atrazine	1912-24-9	165	<165	ug/kg dry	
Benzaldehyde	100-52-7	165	<165	ug/kg dry	4.K
Caprolactam	105-60-2	165	<165	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2,4,6-Tribromophenol	118-79-6	39	18.04-120.2	
2-Fluorobiphenyl	321-60-8	50	34.39-110.73	
2-Fluorophenol	367-12-4	53	22.98-107.57	
Nitrobenzene-d5	4165-60-0	53	31-118.25	
Phenol-d6	13127-88-3	53	35.55-111.39	
Terphenyl-d14	1718-51-0	55	41.02-106	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	110	50-200	
Acenaphthene-d10	15067-26-2	106	50-200	
Naphthalene-d8	1146-65-2	108	50-200	
Phenanthrene-d10	1517-22-2	103	50-200	

Date Prepared: 08/26/2019

Preparation Method: EPA 3545 A

Date Analyzed: 08/27/2019

Analytical Method: EPA 8270 D

Client: MPCC Corp	Client ID: PS 169 Queens
Date (Time) Collected: 08/16/2019 10:00	Sample ID: Excavated Soil From Alley Way For Trench An
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Matrix: Soil	ELAP: #11693

Pesticides Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
4,4'-DDD	72-54-8	2.20	<2.20	ug/kg dry	4.M
4,4'-DDE	72-55-9	2.20	3.00	ug/kg dry	4.M
4,4'-DDT	50-29-3	2.20	3.15	ug/kg dry	4.M
Aldrin	309-00-2	2.20	<2.20	ug/kg dry	4.M
alpha-BHC	319-84-6	5.51	<5.51	ug/kg dry	4.M
beta-BHC	319-85-7	5.51	<5.51	ug/kg dry	4.M
cis-Chlordane	5103-71-9	5.51	9.28	ug/kg dry	4.M
delta-BHC	319-86-8	5.51	<5.51	ug/kg dry	4.M
Dieldrin	60-57-1	2.20	6.44	ug/kg dry	4.M
Endosulfan I	959-98-8	5.51	<5.51	ug/kg dry	4.M
Endosulfan II	33213-65-9	5.51	<5.51	ug/kg dry	4.M
Endosulfan Sulfate	1031-07-8	5.51	<5.51	ug/kg dry	4.M
Endrin	72-20-8	5.51	<5.51	ug/kg dry	4.M
Endrin Aldehyde	7421-93-4	5.51	<5.51	ug/kg dry	4.M
Endrin Ketone	53494-70-5	5.51	<5.51	ug/kg dry	4.M
gamma-BHC	58-89-9	5.51	<5.51	ug/kg dry	4.M
Heptachlor	76-44-8	5.51	<5.51	ug/kg dry	4.M
Heptachlor Epoxide	1024-57-3	5.51	<5.51	ug/kg dry	4.M
Methoxychlor	72-43-5	5.51	<5.51	ug/kg dry	4.M
Mirex	2385-85-5	5.51	<5.51	ug/kg dry	4.M
Mirex (2C)	2385-85-5	5.51	<5.51	ug/kg dry	4.M
Toxaphene	8001-35-2	110	<110	ug/kg dry	
trans-Chlordane	5103-74-2	5.51	13.9	ug/kg dry	4.M

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	129	50.4-127	4.E
Tetrachloro-m-xylene	877-09-8	125	57.5-127	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	128	50-200	

Date Prepared: 08/21/2019

Preparation Method: EPA 3545 A

Date Analyzed: 08/28/2019

Analytical Method: EPA 8081 B

Client: MPCC Corp	Client ID: PS 169 Queens
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PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	11.0	<11.0	ug/kg dry	
Aroclor-1221	11104-28-2	11.0	<11.0	ug/kg dry	
Aroclor-1232	11141-16-5	11.0	<11.0	ug/kg dry	
Aroclor-1242	53469-21-9	11.0	<11.0	ug/kg dry	
Aroclor-1248	12672-29-6	11.0	<11.0	ug/kg dry	
Aroclor-1254	11097-69-1	11.0	<11.0	ug/kg dry	
Aroclor-1260	11096-82-5	11.0	<11.0	ug/kg dry	
Aroclor-1262	37324-23-5	11.0	<11.0	ug/kg dry	
Aroclor-1268	11100-14-4	11.0	<11.0	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	79	32.5-149	
Tetrachloro-m-xylene	877-09-8	94	58.7-131	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	107	50-200	

Date Prepared: 08/21/2019

Preparation Method: EPA 3545 A

Date Analyzed: 08/27/2019

Analytical Method: EPA 8082 A

Client: MPCC Corp	Client ID: PS 169 Queens
Date (Time) Collected: 08/16/2019 10:00	Sample ID: Excavated Soil From Alley Way For Trench An
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Total Metals Analysis

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Arsenic	08/28/2019	EPA 6010 D	1.78	4.30	mg/kg dry	
Barium	08/28/2019	EPA 6010 D	1.78	66.4	mg/kg dry	
Beryllium	08/28/2019	EPA 6010 D	1.78	<1.78	mg/kg dry	
Cadmium	08/28/2019	EPA 6010 D	1.78	<1.78	mg/kg dry	
Calcium	08/28/2019	EPA 6010 D	42.7	3030	mg/kg dry	4.G
Chromium	08/28/2019	EPA 6010 D	1.78	25.6	mg/kg dry	
Cobalt	08/28/2019	EPA 6010 D	1.78	9.10	mg/kg dry	
Copper	08/28/2019	EPA 6010 D	1.78	202	mg/kg dry	4.G
Iron	08/28/2019	EPA 6010 D	213	16200	mg/kg dry	3.E, 4.F, 4.G, 4.M
Lead	08/28/2019	EPA 6010 D	1.78	155	mg/kg dry	4.G
Magnesium	08/28/2019	EPA 6010 D	21.3	2160	mg/kg dry	
Manganese	08/28/2019	EPA 6010 D	1.78	238	mg/kg dry	
Nickel	08/28/2019	EPA 6010 D	1.78	32.7	mg/kg dry	
Potassium	08/28/2019	EPA 6010 D	213	676	mg/kg dry	3.E, 4.F, 4.G
Selenium	08/28/2019	EPA 6010 D	3.55	<3.55	mg/kg dry	
Silver	08/28/2019	EPA 6010 D	0.44	<0.44	mg/kg dry	
Sodium	08/28/2019	EPA 6010 D	42.7	218	mg/kg dry	
Thallium	08/28/2019	EPA 6010 D	1.78	<1.78	mg/kg dry	
Vanadium	08/28/2019	EPA 6010 D	1.78	21.2	mg/kg dry	
Zinc	08/28/2019	EPA 6010 D	17.8	1270	mg/kg dry	3.E, 4.C, 4.F, 4.G

Date Prepared: 08/26/2019

Preparation Method: EPA 3050B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Aluminum	08/28/2019	EPA 6010D	213	8810	mg/kg dry	3.E, 4.F, 4.G
Antimony	08/28/2019	EPA 6010D	1.78	<1.78	mg/kg dry	

Date Prepared: 08/26/2019

Preparation Method: EPA 3050B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Mercury	08/29/2019	EPA 7471 B	0.02	<0.02	mg/kg dry	

Date Prepared: 08/27/2019

Preparation Method: EPA 7471 B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Cyanide	08/21/2019	EPA 9014	0.22	<0.22	mg/kg dry	

Date Prepared: 08/19/2019

Preparation Method: Distillation Prep

Client: MPCC Corp	Client ID: PS 169 Queens
Date (Time) Collected: 08/16/2019 10:00	Sample ID: Excavated Soil From Alley Way For Trench An
Date (Time) Received: 08/19/2019 08:07	Laboratory ID: 9081904-01 % Solid:90.71
Matrix: Soil	ELAP: #11693

Metals by EPA 1311 TCLP Analysis

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Arsenic	08/28/2019	EPA 200.7, Rev. 4.4(1994)	0.05	<0.05	mg/L	4.J
Barium	08/28/2019	EPA 200.7, Rev. 4.4(1994)	1.00	<1.00	mg/L	
Cadmium	08/28/2019	EPA 200.7, Rev. 4.4(1994)	0.05	<0.05	mg/L	
Chromium	08/28/2019	EPA 200.7, Rev. 4.4(1994)	0.05	<0.05	mg/L	
Lead	08/28/2019	EPA 200.7, Rev. 4.4(1994)	0.05	<0.05	mg/L	
Selenium	08/28/2019	EPA 200.7, Rev. 4.4(1994)	0.05	<0.05	mg/L	
Silver	08/28/2019	EPA 200.7, Rev. 4.4(1994)	0.05	<0.05	mg/L	

Date Leached: 08/21/2019

Leach Batch: B934115

Leach Method: EPA 1311 Fluid #1

Date Prepared: 08/23/2019

Preparation Method: EPA 200.2

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Mercury	08/29/2019	EPA 245.1	0.02	<0.02	mg/L	

Date Leached: 08/21/2019

Leach Batch: B934115

Leach Method: EPA 1311 Fluid #1

Date Prepared: 08/23/2019

Preparation Method: EPA 245.1

Client: MPCC Corp	Client ID: PS 169 Queens
Date (Time) Collected: 08/16/2019 10:00	Sample ID: Excavated Soil From Alley Way For Trench An
Date (Time) Received: 08/19/2019 08:07	Laboratory ID: 9081904-01 % Solid:90.71
Matrix: Soil	ELAP: #11693

Extractable Petroleum Hydrocarbons

Parameter	CAS No.	LOQ	Result	Units	Flag
Extractable Petroleum Hydrocarbons	8006-61-9/68334-30-5	82.7	<82.7	mg/kg dry	

Date Prepared: 08/28/2019

Preparation Method: [CALC]

Date Analyzed: 08/29/2019

Analytical Method: EPA 8015 C

Parameter	CAS No.	LOQ	Result	Units	Flag
Diesel Range Organics (C10-C28)	68334-30-5	55.1	<55.1	mg/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
p-Terphenyl-d14	1718-51-0	74	45.8-130	

Date Prepared: 08/23/2019

Preparation Method: EPA 3545 A

Date Analyzed: 08/26/2019

Analytical Method: EPA 8015 D DRO

Parameter	CAS No.	LOQ	Result	Units	Flag
Gasoline Range Organics(C6-C10)	8006-61-9	27.6	<27.6	mg/kg dry	

Date Prepared: 08/28/2019

Preparation Method: EPA 5035 A

Date Analyzed: 08/29/2019

Analytical Method: EPA 8015 D GRO

Data Qualifiers Key Reference:

- 3.E Compound reported at a dilution factor.
- 4.C Target compound found in blank.
- 4.E Surrogate recovery has failed high.
- 4.F Spike recovery does not meet QC criteria due to high target compound concentration.
- 4.G Spike recovery out of range due to matrix interference.
- 4.J Continuing Calibration Verification (CCV) quality control levels failed low, values are considered to be estimated.
- 4.K Continuing Calibration Verification (CCV) quality control levels failed high, values are considered to be estimated.
- 4.M LCS recovery was above QC acceptance limit.
- 4.N LCS recovery was below QC acceptance limit.
- 4.T Sample Matrix Spike/Spike Dup RPD is above acceptable range.
- MDL Minimum Detection Limit
- LOQ Limit of Quantitation

CHAIN OF CUSTODY / REQUEST FOR ANALYSIS DOCUMENT

CLIENT NAME/ADDRESS MPCC Corp	CONTACT: Fred Lalezarian PHONE: 914-636-0000 FAX: 914-636-0019	SAMPLER (SIGNATURE) <i>[Signature]</i>	DATE 8-16-19	TIME	SAMPLE(S) SEALED <input checked="" type="checkbox"/> YES / <input type="checkbox"/> NO	9081904
PROJECT LOCATION:	SAMPLER NAME (PRINT) Greg Tricarico	DATE 8.16.2019	TIME 10:00 Am	CORRECT CONTAINER(S) <input checked="" type="checkbox"/> YES / <input type="checkbox"/> NO		

TERMS & CONDITIONS: Accounts are payable in full within thirty days, outstanding balances accrue service charges of 1.5% per month. Tendering of samples to LIAL for analytical testing constitutes agreement by buyer/sampler to LIAL's Standard terms

SAMPLES RECEIVED AT: 1.5 °C

LABORATORY ID # <small>For Laboratory Use Only</small>	MATRIX	TYPE	PH	RES. CHLORINE	PRES.	DATE	TIME	SAMPLE # LOCATION	ANALYSIS REQUIRED	TCLP Metals	EPH	# OF CONTAINERS
908190401	S	C				8.16.2019	10:00Am	Excavated soil from Alley way for trench and footing	X	X	X	3
2.												
3.												
4.												
5.												
6.												
7.												
8.												
9.												
10.												
11.												
12.												
13.												
14.												

MATRIX: S=SOIL; SL=SLUDGE; DW=DRINKING WATER; A=AIR; W=WIPE;
 PC=PAINT CHIPS; BM= BULK MATERIAL, O=OIL, WW=WASTE WATER
 TYPE: G=GRAB; C=COMPOSITE; SS=SPLIT SPOON
 PRES: (1) ICE; (2) HCL; (3) H₂SO₄; (4) NAOH; (5) NA₂S₂O₃; (6) HNO₃; (7) OTHER

TURNAROUND REQUIRED: NORMAL STAT
 BY / /

COMMENTS / INSTRUCTIONS

RELINQUISHED BY (SIGNATURE) <i>[Signature]</i>	DATE 8/19/19	PRINTED NAME Vincent Losito	RECEIVED BY (SIGNATURE) <i>[Signature]</i>	DATE 8-22-19	PRINTED NAME moy
RELINQUISHED BY (SIGNATURE)	DATE	PRINTED NAME	RECEIVED BY SAMPLE CUSTODIAN <i>[Signature]</i>	DATE 8-16	PRINTED NAME Ben Lamberson
	TIME			TIME 2:45	