

Pop-Facts Demographics Snapshot | Population & Race

Trade Area: 10538 (Larchmont, NY)

Total Population: 17,208

Total Households: 6,430

	10538 (Larchmont, NY)	%
Count		
2017 Est. Population by Single-Classification Race		
White Alone	15,297	88.89
Black/African American Alone	398	2.31
American Indian/Alaskan Native Alone	22	0.13
Asian Alone	678	3.94
Native Hawaiian/Pacific Islander Alone	2	0.01
Some Other Race Alone	332	1.93
Two or More Races	479	2.78
2017 Est. Population by Hispanic or Latino Origin		
Not Hispanic or Latino	15,803	91.83
Hispanic or Latino	1,405	8.16
Mexican	232	16.51
Puerto Rican	279	19.86
Cuban	94	6.69
All Other Hispanic or Latino	800	56.94
2017 Est. Pop by Race, Asian Alone, by Category		
Chinese, except Taiwanese	135	19.91
Filipino	71	10.47
Japanese	276	40.71
Asian Indian	101	14.90
Korean	61	9.00
Vietnamese	0	0.00
Cambodian	0	0.00
Hmong	0	0.00
Laotian	0	0.00
Thai	2	0.29
All Other Asian Races Including 2+ Category	32	4.72
2017 Est. Population by Ancestry		
Arab	95	0.55
Czech	99	0.57
Danish	107	0.62
Dutch	60	0.35
English	852	4.95
French (Excluding Basque)	670	3.89
French Canadian	41	0.24
German	827	4.81
Greek	81	0.47
Hungarian	81	0.47
Irish	1,802	10.47
Italian	1,736	10.09
Lithuanian	91	0.53
Norwegian	160	0.93
Polish	647	3.76
Portuguese	87	0.51
Russian	783	4.55
Scottish	340	1.98
Scottish-Irish	101	0.59
Slovak	11	0.06
Sub-Saharan African	9	0.05
Swedish	64	0.37
Swiss	1	0.01
Ukrainian	30	0.17
United States or American	1,791	10.41
Welsh	57	0.33
West Indian (except Hisp. groups)	58	0.34
Other ancestries	4,811	27.96
Ancestries Unclassified	1,716	9.97
2017 Est. Pop Age 5+ by Language Spoken At Home		
Speak Only English at Home	12,951	80.59
Speak Asian/Pacific Isl. Lang. at Home	362	2.25
Speak Indo-European Language at Home	1,766	10.99
Speak Spanish at Home	684	4.26
Speak Other Language at Home	307	1.91
2017 Est. Hisp. or Latino Pop by Single-Class. Race		
White Alone	987	70.25
Black/African American Alone	40	2.85
American Indian/Alaskan Native Alone	14	1.00
Asian Alone	1	0.07
Native Hawaiian/Pacific Islander Alone	0	0.00
Some Other Race Alone	259	18.43
Two or More Races	104	7.40

Benchmark: USA

Copyright © 2017 by Environics Analytics (EA). Source: Claritas - Pop-Facts Premier 2017, .

Pop-Facts Demographics Snapshot | Population & Race

Trade Area: 10538 (Larchmont, NY)

Total Population: 17,208

Total Households: 6,430

	10538 (Larchmont, NY) Count	%
2017 Est. Population by Sex		
Male	8,314	48.31
Female	8,894	51.69
2017 Est. Population by Age		
Age 0 - 4	1,138	6.61
Age 5 - 9	1,328	7.72
Age 10 - 14	1,419	8.25
Age 15 - 17	821	4.77
Age 18 - 20	699	4.06
Age 21 - 24	826	4.80
Age 25 - 34	1,140	6.63
Age 35 - 44	1,872	10.88
Age 45 - 54	2,734	15.89
Age 55 - 64	2,424	14.09
Age 65 - 74	1,553	9.03
Age 75 - 84	820	4.76
Age 85 and over	434	2.52
Age 16 and over	13,051	75.84
Age 18 and over	12,502	72.65
Age 21 and over	11,803	68.59
Age 65 and over	2,807	16.31
Median Age	—	42.04
Average Age	—	39.50
2017 Est. Pop Age 15+ by Marital Status		
Total, Never Married	3,107	23.32
Male, Never Married	1,563	11.73
Female, Never Married	1,544	11.59
Married, Spouse Present	8,461	63.51
Married, Spouse Absent	361	2.71
Widowed	625	4.69
Male, Widowed	103	0.77
Female, Widowed	522	3.92
Divorced	769	5.77
Male, Divorced	289	2.17
Female, Divorced	480	3.60
2017 Est. Male Population by Age		
Male: Age 0 - 4	581	6.99
Male: Age 5 - 9	682	8.20
Male: Age 10 - 14	724	8.71
Male: Age 15 - 17	422	5.08
Male: Age 18 - 20	365	4.39
Male: Age 21 - 24	430	5.17
Male: Age 25 - 34	574	6.90
Male: Age 35 - 44	886	10.66
Male: Age 45 - 54	1,287	15.48
Male: Age 55 - 64	1,145	13.77
Male: Age 65 - 74	724	8.71
Male: Age 75 - 84	336	4.04
Male: Age 85 and over	158	1.90
Median Age, Male	—	39.77
Average Age, Male	—	38.10
2017 Est. Female Population by Age		
Female: Age 0 - 4	557	6.26
Female: Age 5 - 9	646	7.26
Female: Age 10 - 14	695	7.81
Female: Age 15 - 17	399	4.49
Female: Age 18 - 20	334	3.75
Female: Age 21 - 24	396	4.45
Female: Age 25 - 34	566	6.36
Female: Age 35 - 44	986	11.09
Female: Age 45 - 54	1,447	16.27
Female: Age 55 - 64	1,279	14.38
Female: Age 65 - 74	829	9.32
Female: Age 75 - 84	484	5.44
Female: Age 85 and over	276	3.10
Median Age, Female	—	43.89
Average Age, Female	—	40.90

Benchmark: USA

Copyright © 2017 by Environics Analytics (EA). Source: Claritas - Pop-Facts Premier 2017, .

Pop-Facts Demographics Snapshot | Housing & Households

Trade Area: 10538 (Larchmont, NY)

Total Population: 17,208

Total Households: 6,430

	10538 (Larchmont, NY)	
	Count	%
2017 Est. Households by Household Type		
Family Households	4,676	72.72
NonFamily Households	1,754	27.28
2017 Est. Group Quarters Population		
2017 Est. Group Quarters Population	102	0.59
2017 HHs By Ethnicity, Hispanic/Latino		
2017 HHs By Ethnicity, Hispanic/Latino	462	7.18
2017 Est. Family HH Type by Presence of Own Child.		
Married Couple Family, own children	2,279	48.74
Married Couple Family, no own children	1,823	38.99
Male Householder, own children	57	1.22
Male Householder, no own children	83	1.77
Female Householder, own children	228	4.88
Female Householder, no own children	206	4.41
2017 Est. Households by Household Size		
1-Person Household	1,596	24.82
2-Person Household	1,870	29.08
3-Person Household	989	15.38
4-Person Household	1,264	19.66
5-Person Household	566	8.80
6-Person Household	116	1.80
7-or-more-person	29	0.45
2017 Est. Average Household Size	—	2.66
2017 Est. Households by Number of Vehicles		
No Vehicles	258	4.01
1 Vehicle	2,571	39.98
2 Vehicles	2,654	41.27
3 Vehicles	801	12.46
4 Vehicles	145	2.25
5 or more Vehicles	1	0.02
2017 Est. Average Number of Vehicles	—	1.70
2017 Est. Occupied Housing Units by Tenure		
Housing Units, Owner-Occupied	5,005	77.84
Housing Units, Renter-Occupied	1,425	22.16
2017 Owner Occ. HUs: Avg. Length of Residence		
2017 Owner Occ. HUs: Avg. Length of Residence	—	17.10
2017 Renter Occ. HUs: Avg. Length of Residence		
2017 Renter Occ. HUs: Avg. Length of Residence	—	9.90
2017 Est. Owner-Occupied Housing Units by Value		
Value Less than \$20,000	35	0.70
Value \$20,000 - \$39,999	5	0.10
Value \$40,000 - \$59,999	11	0.22
Value \$60,000 - \$79,999	3	0.06
Value \$80,000 - \$99,999	34	0.68
Value \$100,000 - \$149,999	63	1.26
Value \$150,000 - \$199,999	226	4.51
Value \$200,000 - \$299,999	174	3.48
Value \$300,000 - \$399,999	155	3.10
Value \$400,000 - \$499,999	108	2.16
Value \$500,000 - \$749,999	623	12.45
Value \$750,000 - \$999,999	1,260	25.18
Value \$1,000,000 or more	2,308	46.11
2017 Est. Median All Owner-Occupied Housing Value	—	989,947.95

Benchmark: USA

Copyright © 2017 by Environics Analytics (EA). Source: Claritas - Pop-Facts Premier 2017, .

Pop-Facts Demographics Snapshot | Housing & Households

Trade Area: 10538 (Larchmont, NY)

Total Population: 17,208
Total Households: 6,430

	10538 (Larchmont, NY)	
	Count	%
2017 Est. Housing Units by Units in Structure		
1 Unit Attached	112	1.65
1 Unit Detached	4,245	62.70
2 Units	109	1.61
3 to 4 Units	181	2.67
5 to 19 Units	212	3.13
20 to 49 Units	734	10.84
50 or More Units	1,137	16.80
Mobile Home or Trailer	40	0.59
Boat, RV, Van, etc.	0	0.00
2017 Est. Housing Units by Year Structure Built		
Built 2010 or Later	231	3.41
Built 2000 to 2009	91	1.34
Built 1990 to 1999	99	1.46
Built 1980 to 1989	205	3.03
Built 1970 to 1979	298	4.40
Built 1960 to 1969	620	9.16
Built 1950 to 1959	855	12.63
Built 1940 to 1949	546	8.06
Built 1939 or Earlier	3,825	56.50
2017 Housing Units by Year Structure Built		
2017 Est. Median Year Structure Built	—	1,939.74
2017 Est. Households by Presence of People Under 18		
2017 Est. Households by Presence of People Under 18	2,621	40.76
Households with 1 or More People under Age 18		
Married Couple Family	2,296	87.60
Other Family, Male Householder	66	2.52
Other Family, Female Householder	254	9.69
NonFamily Household, Male Householder	4	0.15
NonFamily Household, Female Householder	1	0.04
Households with No People under Age 18		
Households with No People under Age 18	3,809	59.24
Married Couple Family	1,806	47.41
Other Family, Male Householder	76	2.00
Other Family, Female Householder	178	4.67
NonFamily, Male Householder	609	15.99
NonFamily, Female Householder	1,140	29.93

Benchmark: USA

Copyright © 2017 by Environics Analytics (EA). Source: Claritas - Pop-Facts Premier 2017.

Pop-Facts Demographics Snapshot | Affluence & Education

Trade Area: 10538 (Larchmont, NY)

Total Population: 17,208

Total Households: 6,430

	10538 (Larchmont, NY) Count	%
2017 Est. Pop Age 25+ by Edu. Attainment		
Less than 9th Grade	190	1.73
Some High School, No Diploma	196	1.79
High School Graduate (or GED)	825	7.52
Some College, No Degree	905	8.24
Associate's Degree	343	3.13
Bachelor's Degree	4,208	38.34
Master's Degree	2,624	23.91
Professional Degree	1,231	11.21
Doctorate Degree	455	4.14
2017 Est. Pop Age 25+ by Edu. Attain., Hisp./Lat.		
High School Diploma	29	3.42
High School Graduate	83	9.78
Some College or Associate's Degree	235	27.68
Bachelor's Degree or Higher	502	59.13
2017 Est. Households by HH Income		
Income < \$15,000	202	3.14
Income \$15,000 - \$24,999	180	2.80
Income \$25,000 - \$34,999	194	3.02
Income \$35,000 - \$49,999	305	4.74
Income \$50,000 - \$74,999	771	11.99
Income \$75,000 - \$99,999	597	9.29
Income \$100,000 - \$124,999	544	8.46
Income \$125,000 - \$149,999	351	5.46
Income \$150,000 - \$199,999	743	11.55
Income \$200,000 - \$249,999	449	6.98
Income \$250,000 - \$499,999	977	15.19
Income \$500,000+	1,117	17.37
2017 Est. Average Household Income	-	222,394.00
2017 Est. Median Household Income	-	154,652.90
2017 Median HH Inc. by Single-Class. Race or Eth.		
White Alone	-	185,624.29
Black or African American Alone	-	64,810.06
American Indian and Alaskan Native Alone	-	75,000.00
Asian Alone	-	200,000.35
Native Hawaiian and Other Pacific Islander Alone	-	19,874.37
Some Other Race Alone	-	72,208.65
Two or More Races	-	80,388.54
Hispanic or Latino	-	76,637.62
Not Hispanic or Latino	-	190,525.11
2017 Est. Families by Poverty Status		
2017 Families at or Above Poverty	4,556	97.43
2017 Families at or Above Poverty with children	2,533	54.17
2017 Families Below Poverty	120	2.57
2017 Families Below Poverty with children	92	1.97

Benchmark: USA

Copyright © 2017 by Environics Analytics (EA). Source: Claritas - Pop-Facts Premier 2017, .

Pop-Facts Demographics Snapshot | Employment & Occupation

Trade Area: 10538 (Larchmont, NY)

Total Population: 17,208

Total Households: 6,430

	10538 (Larchmont, NY)	
	Count	%
2017 Est. Employed Civilian Population 16+ by Occupation Classification		
White Collar	7,263	87.02
Blue Collar	385	4.61
Service and Farming	698	8.36
2017 Est. Workers Age 16+ by Travel Time to Work		
Less than 15 Minutes	1,051	14.19
15 - 29 Minutes	1,080	14.58
30 - 44 Minutes	1,763	23.80
45 - 59 Minutes	1,559	21.05
60 or more Minutes	1,955	26.39
2017 Est. Avg Travel Time to Work in Minutes	—	45.00
2017 Est. Workers Age 16+ by Transp. to Work		
2017 Est. Workers Age 16+ by Transp. to Work	8,188	100.00
Drove Alone	3,376	41.23
Carpooled	312	3.81
Public Transport	3,374	41.21
Walked	194	2.37
Bicycle	12	0.15
Other Means	93	1.14
Worked at Home	827	10.10
2017 Est. Civ. Employed Pop 16+ by Class of Worker		
2017 Est. Civ. Employed Pop 16+ by Class of Worker	8,346	100.00
For-Profit Private Workers	5,133	61.50
Non-Profit Private Workers	867	10.39
Local Government Workers	695	8.33
State Government Workers	172	2.06
Federal Government Workers	146	1.75
Self-Employed Workers	1,319	15.80
Unpaid Family Workers	14	0.17
2017 Est. Civ. Employed Pop 16+ by Occupation		
Architecture/Engineering	98	1.17
Arts/Design/Entertainment/Sports/Media	544	6.52
Building/Grounds Cleaning/Maintenance	96	1.15
Business/Financial Operations	1,099	13.17
Community/Social Services	164	1.97
Computer/Mathematical	145	1.74
Construction/Extraction	149	1.78
Education/Training/Library	956	11.46
Farming/Fishing/Forestry	1	0.01
Food Preparation/Serving Related	42	0.50
Healthcare Practitioner/Technician	345	4.13
Healthcare Support	62	0.74
Installation/Maintenance/Repair	108	1.29
Legal	461	5.52
Life/Physical/Social Science	132	1.58
Management	1,632	19.55
Office/Administrative Support	586	7.02
Production	85	1.02
Protective Services	109	1.31
Sales/Related	1,101	13.19
Personal Care/Service	388	4.65
Transportation/Material Moving	43	0.52
2017 Est. Pop Age 16+ by Employment Status		
In Armed Forces	15	0.12
Civilian - Employed	8,320	63.75
Civilian - Unemployed	472	3.62
Not in Labor Force	4,244	32.52

Benchmark: USA

Copyright © 2017 by Environics Analytics (EA). Source: Claritas - Pop-Facts Premier 2017, .

Pop-Facts Demographics Snapshot | Map

Trade Area: 10538 (Larchmont, NY)

Total Population: 17,208
Total Households: 6,430



Benchmark:USA

Copyright © 2017 by Environics Analytics (EA). Source: Claritas - Pop-Facts Premier 2017, .

Pop-Facts Demographics Snapshot | Summary

ENVIRONICS
ANALYTICS

Trade Area: 10528 (Harrison, NY), 10580 Rye, NY, 10804 New Rochelle

	10528 (Harrison, NY)		10580 Rye, NY		10804 New Rochelle	
	Total	%	Total	%	Total	%
Population						
2000 Census	12,122	100.00	28,831	100.00	42,761	100.00
2010 Census	11,988	100.00	29,483	100.00	43,318	100.00
2017 Estimate	12,305	100.00	30,558	100.00	44,541	100.00
2022 Projection	12,555	100.00	31,357	100.00	45,470	100.00
Population Growth						
Percent Change: 2000 to 2010	—	-1.10	—	2.26	—	1.30
Percent Change: 2010 to 2017	—	2.64	—	3.65	—	2.82
Percent Change: 2017 to 2022	—	2.03	—	2.62	—	2.09

	10528 (Harrison, NY)		10580 Rye, NY		10804 New Rochelle	
	Total	%	Total	%	Total	%
Households						
2000 Census	4,554	100.00	10,529	100.00	15,299	100.00
2010 Census	4,465	100.00	10,588	100.00	15,431	100.00
2017 Estimate	4,633	100.00	11,073	100.00	15,994	100.00
2022 Projection	4,754	100.00	11,414	100.00	16,394	100.00
Household Growth						
Percent Change: 2000 to 2010	—	-1.95	—	0.56	—	0.86
Percent Change: 2010 to 2017	—	3.76	—	4.58	—	3.65
Percent Change: 2017 to 2022	—	2.61	—	3.08	—	2.50

	10528 (Harrison, NY)		10580 Rye, NY		10804 New Rochelle	
	Total	%	Total	%	Total	%
Family Households						
2000 Census	3,324	100.00	7,816	100.00	11,745	100.00
2010 Census	3,239	100.00	7,770	100.00	11,620	100.00
2017 Estimate	3,351	100.00	8,102	100.00	12,011	100.00
2022 Projection	3,433	100.00	8,337	100.00	12,291	100.00
Family Household Growth						
Percent Change: 2000 to 2010	—	-2.56	—	-0.59	—	-1.06
Percent Change: 2010 to 2017	—	3.46	—	4.27	—	3.37
Percent Change: 2017 to 2022	—	2.45	—	2.90	—	2.33

Benchmark: USA

Copyright © 2017 by Environics Analytics (EA). Source: Claritas - Pop-Facts Premier 2017, .

Pop-Facts Demographics Snapshot | Population & Race

Trade Area: 10528 (Harrison, NY), 10580 Rye, NY, 10804 New Rochelle

Total Population: 12,305, 30,558, 44,541
Total Households: 4,633, 11,073, 15,994

	10528 (Harrison, NY)		10580 Rye, NY		10804 New Rochelle	
	Count	%	Count	%	Count	%
2017 Est. Population by Single-Classification Race						
White Alone	9,944	80.81	26,064	85.29	37,722	84.69
Black/African American Alone	175	1.42	477	1.56	1,623	3.64
American Indian/Alaskan Native Alone	38	0.31	67	0.22	73	0.16
Asian Alone	1,308	10.63	2,477	8.11	3,172	7.12
Native Hawaiian/Pacific Islander Alone	2	0.02	3	0.01	12	0.03
Some Other Race Alone	524	4.26	760	2.49	913	2.05
Two or More Races	314	2.55	710	2.32	1,026	2.30
2017 Est. Population by Hispanic or Latino Origin						
Not Hispanic or Latino	10,836	88.06	27,760	90.84	40,892	91.81
Hispanic or Latino	1,469	11.94	2,798	9.16	3,649	8.19
Mexican	287	19.54	520	18.59	626	17.16
Puerto Rican	296	20.15	539	19.26	761	20.86
Cuban	34	2.31	144	5.15	207	5.67
All Other Hispanic or Latino	852	58.00	1,595	57.01	2,055	56.32
2017 Est. Pop. by Race, Asian Alone, by Category						
Chinese, except Taiwanese	73	5.58	323	13.04	534	16.84
Filipino	18	1.38	92	3.71	131	4.13
Japanese	869	66.44	1,472	59.43	1,520	47.92
Asian Indian	160	12.23	291	11.75	506	15.95
Korean	86	6.58	111	4.48	197	6.21
Vietnamese	0	0.00	0	0.00	17	0.54
Cambodian	0	0.00	19	0.77	19	0.60
Hmong	0	0.00	1	0.04	1	0.03
Lactian	0	0.00	0	0.00	0	0.00
Thai	0	0.00	10	0.40	19	0.60
All Other Asian Races Including 2+ Category	102	7.80	158	6.38	228	7.19
2017 Est. Population by Ancestry						
Arab	164	1.33	446	1.46	499	1.12
Czech	0	0.00	1	0.00	76	0.17
Danish	13	0.11	45	0.15	45	0.10
Dutch	10	0.08	135	0.44	136	0.30
English	191	1.55	1,362	4.46	1,560	3.50
French (Excluding Basque)	110	0.89	248	0.81	609	1.37
French Canadian	0	0.00	9	0.03	16	0.04
German	423	3.44	1,816	5.94	2,230	5.01
Greek	82	0.67	179	0.59	311	0.70
Hungarian	40	0.33	103	0.34	275	0.62
Irish	885	7.19	3,111	10.18	4,008	9.00
Italian	3,049	24.78	5,491	17.97	7,826	17.57
Lithuanian	75	0.61	216	0.71	282	0.63
Norwegian	36	0.29	104	0.34	126	0.28
Polish	175	1.42	568	1.86	1,576	3.54
Portuguese	21	0.17	84	0.28	198	0.45
Russian	385	3.13	972	3.18	1,945	4.37
Scottish	90	0.73	208	0.68	258	0.58
Scottish-Irish	35	0.28	55	0.18	62	0.14
Slovak	1	0.01	39	0.13	41	0.09
Sub-Saharan African	146	1.19	160	0.52	217	0.49
Swedish	47	0.38	170	0.56	290	0.65
Swiss	0	0.00	33	0.11	58	0.13
Ukrainian	29	0.24	84	0.28	127	0.28
United States or American	1,165	9.47	3,629	11.88	4,821	10.82
Welsh	10	0.08	15	0.05	34	0.08
West Indian (except Hisp. groups)	0	0.00	76	0.25	417	0.94
Other ancestries	4,075	33.12	8,450	27.65	12,262	27.53
Ancestries Unclassified	1,048	8.52	2,749	9.00	4,236	9.51
2017 Est. Pop Age 5+ by Language Spoken At Home						
Speak Only English at Home	7,543	64.89	21,231	74.08	31,880	76.22
Speak Asian/Pacific Isl. Lang. at Home	1,334	11.48	2,063	7.20	2,366	5.66
Speak Indo-European Language at Home	1,285	11.05	2,686	9.37	4,003	9.57
Speak Spanish at Home	1,186	10.20	2,100	7.33	2,839	6.79
Speak Other Language at Home	276	2.37	580	2.02	736	1.76
2017 Est. Hisp. or Latino Pop by Single-Class. Race						
White Alone	814	55.41	1,776	63.47	2,344	64.24
Black/African American Alone	25	1.70	65	2.32	122	3.34
American Indian/Alaskan Native Alone	35	2.38	54	1.93	55	1.51
Asian Alone	4	0.27	12	0.43	22	0.60
Native Hawaiian/Pacific Islander Alone	0	0.00	0	0.00	0	0.00
Some Other Race Alone	494	33.63	702	25.09	830	22.75
Two or More Races	97	6.60	189	6.75	276	7.56

Benchmark: USA

Copyright © 2017 by Environics Analytics (EA). Source: Claritas - Pop-Facts Premier 2017, .

Pop-Facts Demographics Snapshot | Population & Race

Trade Area: 10528 (Harrison, NY), 10580 Rye, NY, 10804 New Rochelle

Total Population: 12,305, 30,558, 44,541

Total Households: 4,633, 11,073, 15,994

	10528 (Harrison, NY)		10580 Rye, NY		10804 New Rochelle	
	Count	%	Count	%	Count	%
2017 Est. Population by Sex						
Male	5,918	48.09	14,737	48.23	21,508	48.29
Female	6,387	51.91	15,821	51.77	23,033	51.71
2017 Est. Population by Age						
Age 0 - 4	681	5.53	1,898	6.21	2,717	6.10
Age 5 - 9	731	5.94	2,098	6.87	2,931	6.58
Age 10 - 14	866	7.04	2,514	8.23	3,519	7.90
Age 15 - 17	550	4.47	1,527	5.00	2,189	4.92
Age 18 - 20	484	3.93	1,325	4.34	1,905	4.28
Age 21 - 24	617	5.01	1,637	5.36	2,370	5.32
Age 25 - 34	1,258	10.22	2,445	8.00	3,581	8.04
Age 35 - 44	1,509	12.26	3,125	10.23	4,319	9.70
Age 45 - 54	1,969	16.00	4,931	16.14	6,897	15.48
Age 55 - 64	1,717	13.95	4,213	13.79	6,411	14.39
Age 65 - 74	1,030	8.37	2,408	7.88	3,936	8.84
Age 75 - 84	603	4.90	1,447	4.74	2,338	5.25
Age 85 and over	290	2.36	990	3.24	1,428	3.21
Age 16 and over	9,842	79.98	23,541	77.04	34,647	77.79
Age 18 and over	9,477	77.02	22,521	73.70	33,185	74.50
Age 21 and over	8,993	73.08	21,196	69.36	31,280	70.23
Age 65 and over	1,923	15.63	4,845	15.86	7,702	17.29
Median Age	—	41.67	—	41.35	—	42.49
Average Age	—	40.30	—	39.58	—	40.37
2017 Est. Pop Age 15+ by Marital Status						
Total, Never Married	2,734	27.27	5,716	23.77	8,351	23.61
Male, Never Married	1,535	15.31	3,072	12.77	4,351	12.30
Female, Never Married	1,199	11.96	2,644	10.99	4,000	11.31
Married, Spouse Present	5,682	56.67	14,493	60.27	21,740	61.46
Married, Spouse Absent	376	3.75	956	3.98	1,252	3.54
Widowed	530	5.29	1,364	5.67	2,096	5.92
Male, Widowed	96	0.96	216	0.90	375	1.06
Female, Widowed	434	4.33	1,148	4.77	1,721	4.87
Divorced	705	7.03	1,519	6.32	1,935	5.47
Male, Divorced	203	2.02	526	2.19	677	1.91
Female, Divorced	502	5.01	993	4.13	1,258	3.56
2017 Est. Male Population by Age						
Male: Age 0 - 4	348	5.88	970	6.58	1,386	6.44
Male: Age 5 - 9	364	6.15	1,051	7.13	1,473	6.85
Male: Age 10 - 14	441	7.45	1,315	8.92	1,844	8.57
Male: Age 15 - 17	269	4.54	779	5.29	1,127	5.24
Male: Age 18 - 20	239	4.04	678	4.60	983	4.57
Male: Age 21 - 24	304	5.14	824	5.59	1,207	5.61
Male: Age 25 - 34	623	10.53	1,191	8.08	1,742	8.10
Male: Age 35 - 44	723	12.22	1,462	9.92	2,003	9.31
Male: Age 45 - 54	949	16.04	2,364	16.04	3,284	15.27
Male: Age 55 - 64	821	13.87	2,053	13.93	3,098	14.40
Male: Age 65 - 74	476	8.04	1,125	7.63	1,848	8.59
Male: Age 75 - 84	251	4.24	597	4.05	1,008	4.69
Male: Age 85 and over	110	1.86	328	2.23	505	2.35
Median Age, Male	—	40.41	—	39.27	—	40.42
Average Age, Male	—	39.30	—	38.16	—	39.02
2017 Est. Female Population by Age						
Female: Age 0 - 4	333	5.21	928	5.87	1,331	5.78
Female: Age 5 - 9	367	5.75	1,047	6.62	1,458	6.33
Female: Age 10 - 14	425	6.65	1,199	7.58	1,675	7.27
Female: Age 15 - 17	281	4.40	748	4.73	1,062	4.61
Female: Age 18 - 20	245	3.84	647	4.09	922	4.00
Female: Age 21 - 24	313	4.90	813	5.14	1,163	5.05
Female: Age 25 - 34	635	9.94	1,254	7.93	1,839	7.98
Female: Age 35 - 44	786	12.31	1,663	10.51	2,316	10.05
Female: Age 45 - 54	1,020	15.97	2,567	16.23	3,613	15.69
Female: Age 55 - 64	896	14.03	2,160	13.65	3,313	14.38
Female: Age 65 - 74	554	8.67	1,283	8.11	2,088	9.06
Female: Age 75 - 84	352	5.51	850	5.37	1,330	5.77
Female: Age 85 and over	180	2.82	662	4.18	923	4.01
Median Age, Female	—	42.79	—	43.01	—	44.10
Average Age, Female	—	41.20	—	40.90	—	41.62

Benchmark: USA

Copyright © 2017 by Environics Analytics (EA). Source: Claritas - Pop-Facts Premier 2017, .

Pop-Facts Demographics Snapshot | Housing & Households

Trade Area: 10528 (Harrison, NY), 10580 Rye, NY, 10804 New Rochelle

Total Population: 12,305, 30,558, 44,541

Total Households: 4,633, 11,073, 15,994

	10528 (Harrison, NY)		10580 Rye, NY		10804 New Rochelle	
	Count	%	Count	%	Count	%
2017 Est. Households by Household Type						
Family Households	3,351	72.33	8,102	73.17	12,011	75.10
NonFamily Households	1,282	27.67	2,971	26.83	3,983	24.90
2017 Est. Group Quarters Population						
2017 Est. Group Quarters Population	11	0.09	167	0.55	240	0.54
2017 HHs By Ethnicity, Hispanic/Latino						
2017 HHs By Ethnicity, Hispanic/Latino	441	9.52	817	7.38	1,044	6.53
2017 Est. Family HH Type by Presence of Own Child.						
Married Couple Family, own children	1,389	41.45	3,879	47.88	5,528	46.02
Married Couple Family, no own children	1,352	40.35	3,086	38.09	4,933	41.07
Male Householder, own children	46	1.37	107	1.32	135	1.12
Male Householder, no own children	92	2.75	163	2.01	239	1.99
Female Householder, own children	215	6.42	420	5.18	550	4.58
Female Householder, no own children	257	7.67	447	5.52	626	5.21
2017 Est. Households by Household Size						
1-Person Household	1,102	23.79	2,641	23.85	3,559	22.25
2-Person Household	1,361	29.38	3,074	27.76	4,652	29.09
3-Person Household	842	18.17	1,819	16.43	2,668	16.68
4-Person Household	857	18.50	2,088	18.86	2,985	18.66
5-Person Household	343	7.40	1,047	9.46	1,535	9.60
6-Person Household	108	2.33	322	2.91	456	2.85
7-or-more-person	20	0.43	82	0.74	139	0.87
2017 Est. Average Household Size	—	2.65	—	2.74	—	2.77
2017 Est. Households by Number of Vehicles						
No Vehicles	309	6.67	741	6.69	970	6.07
1 Vehicle	1,797	38.79	3,509	31.69	4,633	28.97
2 Vehicles	1,583	34.17	4,679	42.26	7,055	44.11
3 Vehicles	678	14.63	1,559	14.08	2,502	15.64
4 Vehicles	225	4.86	492	4.44	691	4.32
5 or more Vehicles	41	0.89	93	0.84	143	0.89
2017 Est. Average Number of Vehicles	—	1.80	—	1.86	—	1.90
2017 Est. Occupied Housing Units by Tenure						
Housing Units, Owner-Occupied	2,792	60.26	7,540	68.09	12,189	76.21
Housing Units, Renter-Occupied	1,841	39.74	3,533	31.91	3,805	23.79
2017 Owner Occ. HUs: Avg. Length of Residence						
2017 Owner Occ. HUs: Avg. Length of Residence	—	20.80	—	18.65	—	18.97
2017 Renter Occ. HUs: Avg. Length of Residence						
2017 Renter Occ. HUs: Avg. Length of Residence	—	7.70	—	7.35	—	7.52
2017 Est. Owner-Occupied Housing Units by Value						
Value Less than \$20,000	67	2.40	117	1.55	195	1.60
Value \$20,000 - \$39,999	13	0.47	19	0.25	21	0.17
Value \$40,000 - \$59,999	8	0.29	11	0.15	13	0.11
Value \$60,000 - \$79,999	10	0.36	47	0.62	55	0.45
Value \$80,000 - \$99,999	15	0.54	38	0.50	40	0.33
Value \$100,000 - \$149,999	16	0.57	49	0.65	81	0.67
Value \$150,000 - \$199,999	54	1.93	115	1.52	193	1.58
Value \$200,000 - \$299,999	152	5.44	240	3.18	385	3.16
Value \$300,000 - \$399,999	130	4.66	283	3.75	453	3.72
Value \$400,000 - \$499,999	165	5.91	306	4.06	515	4.22
Value \$500,000 - \$749,999	778	27.86	1,263	16.75	2,921	23.96
Value \$750,000 - \$999,999	362	12.97	1,256	16.66	2,357	19.34
Value \$1,000,000 or more	1,022	36.60	3,796	50.34	4,960	40.69
2017 Est. Median All Owner-Occupied Housing Value	—	745,558.95	—	1,000,000.01	—	965,023.01

Benchmark: USA

Copyright © 2017 by Environics Analytics (EA). Source: Claritas - Pop-Facts Premier 2017, .

Pop-Facts Demographics Snapshot | Housing & Households

Trade Area: 10528 (Harrison, NY), 10580 Rye, NY, 10804 New Rochelle

Total Population: 12,305, 30,558, 44,541

Total Households: 4,633, 11,073, 15,994

	10528 (Harrison, NY)		10580 Rye, NY		10804 New Rochelle	
	Count	%	Count	%	Count	%
2017 Est. Housing Units by Units in Structure						
1 Unit Attached	172	3.50	505	4.25	580	3.41
1 Unit Detached	2,620	53.24	7,244	61.03	11,645	68.43
2 Units	1,139	23.15	1,462	12.32	1,519	8.93
3 to 4 Units	321	6.52	520	4.38	524	3.08
5 to 19 Units	189	3.84	636	5.36	673	3.96
20 to 49 Units	246	5.00	492	4.14	735	4.32
50 or More Units	223	4.53	994	8.38	1,325	7.79
Mobile Home or Trailer	11	0.22	16	0.14	16	0.09
Boat, RV, Van, etc.	0	0.00	0	0.00	0	0.00
2017 Est. Housing Units by Year Structure Built						
Built 2010 or Later	235	4.78	615	5.18	713	4.19
Built 2000 to 2009	347	7.05	666	5.61	803	4.72
Built 1990 to 1999	163	3.31	495	4.17	540	3.17
Built 1980 to 1989	304	6.18	786	6.62	1,014	5.96
Built 1970 to 1979	403	8.19	883	7.44	1,193	7.01
Built 1960 to 1969	664	13.49	1,462	12.32	1,950	11.46
Built 1950 to 1959	941	19.12	2,232	18.80	3,766	22.13
Built 1940 to 1949	456	9.27	916	7.72	1,327	7.80
Built 1939 or Earlier	1,408	28.61	3,814	32.13	5,711	33.56
2017 Housing Units by Year Structure Built						
2017 Est. Median Year Structure Built	—	1,956.37	—	1,955.51	—	1,954.14
2017 Est. Households by Presence of People Under 18						
2017 Est. Households by Presence of People Under 18	1,723	37.19	4,536	40.97	6,412	40.09
Households with 1 or More People under Age 18						
Married Couple Family	1,409	81.78	3,930	86.64	5,611	87.51
Other Family, Male Householder	53	3.08	124	2.73	161	2.51
Other Family, Female Householder	252	14.63	473	10.43	629	9.81
NonFamily Household, Male Householder	8	0.46	8	0.18	10	0.16
NonFamily Household, Female Householder	1	0.06	1	0.02	1	0.02
Households with No People under Age 18						
Households with No People under Age 18	2,910	62.81	6,537	59.03	9,582	59.91
Married Couple Family	1,331	45.74	3,032	46.38	4,847	50.58
Other Family, Male Householder	86	2.96	146	2.23	213	2.22
Other Family, Female Householder	222	7.63	395	6.04	549	5.73
NonFamily, Male Householder	524	18.01	1,081	16.54	1,402	14.63
NonFamily, Female Householder	747	25.67	1,883	28.80	2,571	26.83

Benchmark: USA

Copyright © 2017 by Environics Analytics (EA). Source: Claritas - Pop-Facts Premier 2017.

Pop-Facts Demographics Snapshot | Affluence & Education

Trade Area: 10528 (Harrison, NY), 10580 Rye, NY, 10804 New Rochelle

Total Population: 12,305, 30,558, 44,541

Total Households: 4,633, 11,073, 15,994

	10528 (Harrison, NY)		10580 Rye, NY		10804 New Rochelle	
	Count	%	Count	%	Count	%
2017 Est. Pop Age 25+ by Edu. Attainment						
Less than 9th Grade	417	4.98	636	3.25	757	2.62
Some High School, No Diploma	311	3.71	542	2.77	657	2.27
High School Graduate (or GED)	1,471	17.56	2,478	12.67	3,290	11.38
Some College, No Degree	1,220	14.55	2,414	12.34	3,413	11.81
Associate's Degree	444	5.30	883	4.51	1,229	4.25
Bachelor's Degree	2,501	29.86	6,662	34.06	9,430	32.62
Master's Degree	1,314	15.69	3,897	19.92	6,177	21.37
Professional Degree	505	6.03	1,553	7.94	3,029	10.48
Doctorate Degree	193	2.30	494	2.53	928	3.21
2017 Est. Pop Age 25+ by Edu. Attain., Hisp./Lat.						
High School Diploma	222	24.61	286	17.62	325	15.43
High School Graduate	204	22.62	332	20.46	387	18.37
Some College or Associate's Degree	234	25.94	369	22.74	495	23.49
Bachelor's Degree or Higher	242	26.83	636	39.19	900	42.72
2017 Est. Households by HH Income						
Income < \$15,000	265	5.72	595	5.37	737	4.61
Income \$15,000 - \$24,999	291	6.28	529	4.78	705	4.41
Income \$25,000 - \$34,999	216	4.66	434	3.92	601	3.76
Income \$35,000 - \$49,999	424	9.15	774	6.99	1,061	6.63
Income \$50,000 - \$74,999	479	10.34	921	8.32	1,298	8.12
Income \$75,000 - \$99,999	374	8.07	828	7.48	1,157	7.23
Income \$100,000 - \$124,999	401	8.65	927	8.37	1,319	8.25
Income \$125,000 - \$149,999	376	8.12	765	6.91	1,139	7.12
Income \$150,000 - \$199,999	527	11.38	1,280	11.56	1,886	11.79
Income \$200,000 - \$249,999	312	6.73	804	7.26	1,179	7.37
Income \$250,000 - \$499,999	525	11.33	1,522	13.74	2,316	14.48
Income \$500,000+	443	9.56	1,694	15.30	2,596	16.23
2017 Est. Average Household Income	—	169,335.00	—	206,160.42	—	214,047.00
2017 Est. Median Household Income	—	116,638.50	—	141,873.15	—	149,532.32
2017 Median HH Inc. by Single-Class. Race or Eth.						
White Alone	—	117,124.18	—	145,509.75	—	180,283.31
Black or African American Alone	—	147,497.70	—	114,641.99	—	148,966.17
American Indian and Alaskan Native Alone	—	55,768.21	—	78,490.22	—	77,945.61
Asian Alone	—	191,666.48	—	200,000.06	—	200,000.02
Native Hawaiian and Other Pacific Islander Alone	—	100,000.00	—	67,984.38	—	50,000.00
Some Other Race Alone	—	31,533.95	—	29,545.50	—	35,738.56
Two or More Races	—	90,515.68	—	111,432.16	—	116,161.91
Hispanic or Latino	—	44,767.50	—	52,055.63	—	84,639.12
Not Hispanic or Latino	—	127,753.65	—	149,962.62	—	183,691.19
2017 Est. Families by Poverty Status						
2017 Families at or Above Poverty	3,148	93.94	7,768	95.88	11,587	96.47
2017 Families at or Above Poverty with children	1,697	50.64	4,358	53.79	6,127	51.01
2017 Families Below Poverty	203	6.06	334	4.12	424	3.53
2017 Families Below Poverty with children	130	3.88	212	2.62	250	2.08

Benchmark: USA

Copyright © 2017 by Environics Analytics (EA). Source: Claritas - Pop-Facts Premier 2017, .

Pop-Facts Demographics Snapshot | Employment & Occupation

Trade Area: 10528 (Harrison, NY), 10580 Rye, NY, 10804 New Rochelle

Total Population: 12,305, 30,558, 44,541

Total Households: 4,633, 11,073, 15,994

	10528 (Harrison, NY)		10580 Rye, NY		10804 New Rochelle	
	Count	%	Count	%	Count	%
2017 Est. Employed Civilian Population 16+ by Occupation Classification						
White Collar	4,836	79.12	11,381	82.73	17,459	84.19
Blue Collar	553	9.05	953	6.93	1,321	6.37
Service and Farming	723	11.83	1,423	10.34	1,958	9.44
2017 Est. Workers Age 16+ by Travel Time to Work						
Less than 15 Minutes	1,465	25.44	2,999	23.84	4,056	21.79
15 - 29 Minutes	1,680	29.18	3,284	26.11	4,933	26.50
30 - 44 Minutes	658	11.43	1,382	10.99	2,482	13.33
45 - 59 Minutes	655	11.38	1,657	13.17	2,407	12.93
60 or more Minutes	1,300	22.58	3,255	25.89	4,736	25.44
2017 Est. Avg Travel Time to Work in Minutes	—	36.00	—	38.71	—	38.80
2017 Est. Workers Age 16+ by Transp. to Work						
2017 Est. Workers Age 16+ by Transp. to Work	6,002	100.00	13,375	100.00	20,198	100.00
Drove Alone	3,557	59.26	7,295	54.54	11,158	55.24
Carpooled	290	4.83	631	4.72	989	4.90
Public Transport	1,608	26.79	4,072	30.45	5,693	28.19
Walked	217	3.62	379	2.83	537	2.66
Bicycle	35	0.58	53	0.40	56	0.28
Other Means	46	0.77	156	1.17	178	0.88
Worked at Home	249	4.15	789	5.90	1,587	7.86
2017 Est. Civ. Employed Pop 16+ by Class of Worker						
2017 Est. Civ. Employed Pop 16+ by Class of Worker	6,112	100.00	13,757	100.00	20,738	100.00
For-Profit Private Workers	3,750	61.35	8,820	64.11	12,467	60.12
Non-Profit Private Workers	666	10.90	1,252	9.10	2,048	9.88
Local Government Workers	578	9.46	975	7.09	1,618	7.80
State Government Workers	82	1.34	305	2.22	407	1.96
Federal Government Workers	120	1.96	249	1.81	382	1.84
Self-Employed Workers	911	14.90	2,141	15.56	3,797	18.31
Unpaid Family Workers	5	0.08	15	0.11	19	0.09
2017 Est. Civ. Employed Pop 16+ by Occupation						
Architecture/Engineering	65	1.06	105	0.76	229	1.10
Arts/Design/Entertainment/Sports/Media	266	4.35	687	4.99	923	4.45
Building/Grounds Cleaning/Maintenance	153	2.50	319	2.32	418	2.02
Business/Financial Operations	455	7.44	1,244	9.04	1,857	8.96
Community/Social Services	73	1.19	122	0.89	252	1.22
Computer/Mathematical	73	1.19	215	1.56	410	1.98
Construction/Extraction	265	4.34	427	3.10	554	2.67
Education/Training/Library	572	9.36	1,171	8.51	1,827	8.81
Farming/Fishing/Forestry	2	0.03	6	0.04	7	0.03
Food Preparation/Serving Related	189	3.09	368	2.67	475	2.29
Healthcare Practitioner/Technician	346	5.66	803	5.84	1,626	7.84
Healthcare Support	76	1.24	134	0.97	166	0.80
Installation/Maintenance/Repair	163	2.67	247	1.79	361	1.74
Legal	212	3.47	491	3.57	990	4.77
Life/Physical/Social Science	40	0.65	174	1.26	311	1.50
Management	1,272	20.81	2,910	21.15	4,167	20.09
Office/Administrative Support	624	10.21	1,224	8.90	1,715	8.27
Production	73	1.19	131	0.95	202	0.97
Protective Services	103	1.69	172	1.25	313	1.51
Sales/Related	838	13.71	2,235	16.25	3,152	15.20
Personal Care/Service	200	3.27	424	3.08	579	2.79
Transportation/Material Moving	52	0.85	148	1.08	204	0.98
2017 Est. Pop Age 16+ by Employment Status						
In Armed Forces	0	0.00	0	0.00	3	0.01
Civilian - Employed	6,101	61.99	13,740	58.37	20,749	59.89
Civilian - Unemployed	376	3.82	813	3.45	1,215	3.51
Not in Labor Force	3,365	34.19	8,988	38.18	12,680	36.60

Benchmark: USA

Copyright © 2017 by Environics Analytics (EA). Source: Claritas - Pop-Facts Premier 2017. .

Pop-Facts Demographics Snapshot | Map

Trade Area: 10528 (Harrison, NY), 10580 Rye, NY, 10804 New Rochelle

Total Population: 12,305, 30,558, 44,541
Total Households: 4,633, 11,073, 15,994



Benchmark:USA

Copyright © 2017 by Environics Analytics (EA). Source: Claritas - Pop-Facts Premier 2017, .

Pop-Facts Demographics Snapshot | Summary

ENVIRONICS
ANALYTICS

Trade Area: 10804 New Rochelle

	10804 New Rochelle Total	%
Population		
2000 Census	42,761	100.00
2010 Census	43,318	100.00
2017 Estimate	44,541	100.00
2022 Projection	45,470	100.00
Population Growth		
Percent Change: 2000 to 2010	—	1.30
Percent Change: 2010 to 2017	—	2.82
Percent Change: 2017 to 2022	—	2.09

	10804 New Rochelle Total	%
Households		
2000 Census	15,299	100.00
2010 Census	15,431	100.00
2017 Estimate	15,994	100.00
2022 Projection	16,394	100.00
Household Growth		
Percent Change: 2000 to 2010	—	0.86
Percent Change: 2010 to 2017	—	3.65
Percent Change: 2017 to 2022	—	2.50

	10804 New Rochelle Total	%
Family Households		
2000 Census	11,745	100.00
2010 Census	11,620	100.00
2017 Estimate	12,011	100.00
2022 Projection	12,291	100.00
Family Household Growth		
Percent Change: 2000 to 2010	—	-1.06
Percent Change: 2010 to 2017	—	3.37
Percent Change: 2017 to 2022	—	2.33

Benchmark: USA

Copyright © 2017 by Environics Analytics (EA). Source: Claritas - Pop-Facts Premier 2017, .

Pop-Facts Demographics Snapshot | Population & Race

Trade Area: 10804 New Rochelle

Total Population: 44,541

Total Households: 15,994

	10804 New Rochelle Count	%
2017 Est. Population by Single-Classification Race		
White Alone	37,722	84.69
Black/African American Alone	1,623	3.64
American Indian/Alaskan Native Alone	73	0.16
Asian Alone	3,172	7.12
Native Hawaiian/Pacific Islander Alone	12	0.03
Some Other Race Alone	913	2.05
Two or More Races	1,026	2.30
2017 Est. Population by Hispanic or Latino Origin		
Not Hispanic or Latino	40,892	91.81
Hispanic or Latino	3,649	8.19
Mexican	626	17.16
Puerto Rican	761	20.86
Cuban	207	5.67
All Other Hispanic or Latino	2,055	56.32
2017 Est. Pop by Race, Asian Alone, by Category		
Chinese, except Taiwanese	534	16.84
Filipino	131	4.13
Japanese	1,520	47.92
Asian Indian	506	15.95
Korean	197	6.21
Vietnamese	17	0.54
Cambodian	19	0.60
Hmong	1	0.03
Laotian	0	0.00
Thai	19	0.60
All Other Asian Races Including 2+ Category	228	7.19
2017 Est. Population by Ancestry		
Arab	499	1.12
Czech	76	0.17
Danish	45	0.10
Dutch	136	0.30
English	1,560	3.50
French (Excluding Basque)	609	1.37
French Canadian	16	0.04
German	2,230	5.01
Greek	311	0.70
Hungarian	275	0.62
Irish	4,008	9.00
Italian	7,826	17.57
Lithuanian	282	0.63
Norwegian	126	0.28
Polish	1,576	3.54
Portuguese	198	0.45
Russian	1,945	4.37
Scottish	258	0.58
Scottish-Irish	62	0.14
Slovak	41	0.09
Sub-Saharan African	217	0.49
Swedish	290	0.65
Swiss	58	0.13
Ukrainian	127	0.28
United States or American	4,821	10.82
Welsh	34	0.08
West Indian (except Hisp. groups)	417	0.94
Other ancestries	12,262	27.53
Ancestries Unclassified	4,236	9.51
2017 Est. Pop Age 5+ by Language Spoken At Home		
Speak Only English at Home	31,880	76.22
Speak Asian/Pacific Isl. Lang. at Home	2,366	5.66
Speak Indo-European Language at Home	4,003	9.57
Speak Spanish at Home	2,839	6.79
Speak Other Language at Home	736	1.76
2017 Est. Hisp. or Latino Pop by Single-Class. Race		
White Alone	2,344	64.24
Black/African American Alone	122	3.34
American Indian/Alaskan Native Alone	55	1.51
Asian Alone	22	0.60
Native Hawaiian/Pacific Islander Alone	0	0.00
Some Other Race Alone	830	22.75
Two or More Races	276	7.56

Benchmark:USA

Copyright © 2017 by Environics Analytics (EA). Source: Claritas - Pop-Facts Premier 2017, .

Pop-Facts Demographics Snapshot | Population & Race

Trade Area: 10804 New Rochelle

Total Population: 44,541

Total Households: 15,994

	10804 New Rochelle Count	%
2017 Est. Population by Sex		
Male	21,508	48.29
Female	23,033	51.71
2017 Est. Population by Age		
Age 0 - 4	2,717	6.10
Age 5 - 9	2,931	6.58
Age 10 - 14	3,519	7.90
Age 15 - 17	2,189	4.92
Age 18 - 20	1,905	4.28
Age 21 - 24	2,370	5.32
Age 25 - 34	3,581	8.04
Age 35 - 44	4,319	9.70
Age 45 - 54	6,897	15.48
Age 55 - 64	6,411	14.39
Age 65 - 74	3,936	8.84
Age 75 - 84	2,338	5.25
Age 85 and over	1,428	3.21
Age 16 and over	34,647	77.79
Age 18 and over	33,185	74.50
Age 21 and over	31,280	70.23
Age 65 and over	7,702	17.29
Median Age	—	42.49
Average Age	—	40.37
2017 Est. Pop Age 15+ by Marital Status		
Total, Never Married	8,351	23.61
Male, Never Married	4,351	12.30
Female, Never Married	4,000	11.31
Married, Spouse Present	21,740	61.46
Married, Spouse Absent	1,252	3.54
Widowed	2,096	5.92
Male, Widowed	375	1.06
Female, Widowed	1,721	4.87
Divorced	1,935	5.47
Male, Divorced	677	1.91
Female, Divorced	1,258	3.56
2017 Est. Male Population by Age		
Male: Age 0 - 4	1,396	6.44
Male: Age 5 - 9	1,473	6.85
Male: Age 10 - 14	1,844	8.57
Male: Age 15 - 17	1,127	5.24
Male: Age 18 - 20	983	4.57
Male: Age 21 - 24	1,207	5.61
Male: Age 25 - 34	1,742	8.10
Male: Age 35 - 44	2,003	9.31
Male: Age 45 - 54	3,284	15.27
Male: Age 55 - 64	3,098	14.40
Male: Age 65 - 74	1,848	8.59
Male: Age 75 - 84	1,008	4.69
Male: Age 85 and over	505	2.35
Median Age, Male	—	40.42
Average Age, Male	—	39.02
2017 Est. Female Population by Age		
Female: Age 0 - 4	1,331	5.78
Female: Age 5 - 9	1,458	6.33
Female: Age 10 - 14	1,675	7.27
Female: Age 15 - 17	1,062	4.61
Female: Age 18 - 20	922	4.00
Female: Age 21 - 24	1,163	5.05
Female: Age 25 - 34	1,839	7.98
Female: Age 35 - 44	2,316	10.05
Female: Age 45 - 54	3,613	15.69
Female: Age 55 - 64	3,313	14.38
Female: Age 65 - 74	2,088	9.06
Female: Age 75 - 84	1,330	5.77
Female: Age 85 and over	923	4.01
Median Age, Female	—	44.10
Average Age, Female	—	41.62

Benchmark: USA

Copyright © 2017 by Environics Analytics (EA). Source: Claritas - Pop-Facts Premier 2017, .

Pop-Facts Demographics Snapshot | Housing & Households

Trade Area: 10804 New Rochelle

Total Population: 44,541
Total Households: 15,994

	10804 New Rochelle Count	%
2017 Est. Households by Household Type		
Family Households	12,011	75.10
NonFamily Households	3,983	24.90
2017 Est. Group Quarters Population		
2017 Est. Group Quarters Population	240	0.54
2017 HHs By Ethnicity, Hispanic/Latino		
2017 HHs By Ethnicity, Hispanic/Latino	1,044	6.53
2017 Est. Family HH Type by Presence of Own Child.		
Married Couple Family, own children	5,528	46.02
Married Couple Family, no own children	4,933	41.07
Male Householder, own children	135	1.12
Male Householder, no own children	239	1.99
Female Householder, own children	550	4.58
Female Householder, no own children	626	5.21
2017 Est. Households by Household Size		
1-Person Household	3,559	22.25
2-Person Household	4,652	29.09
3-Person Household	2,668	16.68
4-Person Household	2,985	18.66
5-Person Household	1,535	9.60
6-Person Household	456	2.85
7-or-more-person	139	0.87
2017 Est. Average Household Size	-	2.77
2017 Est. Households by Number of Vehicles		
No Vehicles	970	6.07
1 Vehicle	4,633	28.97
2 Vehicles	7,055	44.11
3 Vehicles	2,502	15.64
4 Vehicles	691	4.32
5 or more Vehicles	143	0.89
2017 Est. Average Number of Vehicles	-	1.90
2017 Est. Occupied Housing Units by Tenure		
Housing Units, Owner-Occupied	12,189	76.21
Housing Units, Renter-Occupied	3,805	23.79
2017 Owner Occ. HUs: Avg. Length of Residence		
2017 Owner Occ. HUs: Avg. Length of Residence	-	18.97
2017 Renter Occ. HUs: Avg. Length of Residence		
2017 Renter Occ. HUs: Avg. Length of Residence	-	7.52
2017 Est. Owner-Occupied Housing Units by Value		
Value Less than \$20,000	195	1.60
Value \$20,000 - \$39,999	21	0.17
Value \$40,000 - \$59,999	13	0.11
Value \$60,000 - \$79,999	55	0.45
Value \$80,000 - \$99,999	40	0.33
Value \$100,000 - \$149,999	81	0.67
Value \$150,000 - \$199,999	193	1.58
Value \$200,000 - \$299,999	385	3.16
Value \$300,000 - \$399,999	453	3.72
Value \$400,000 - \$499,999	515	4.22
Value \$500,000 - \$749,999	2,921	23.96
Value \$750,000 - \$999,999	2,357	19.34
Value \$1,000,000 or more	4,960	40.69
2017 Est. Median All Owner-Occupied Housing Value	-	965,023.01

Benchmark: USA

Copyright © 2017 by Environics Analytics (EA). Source: Claritas - Pop-Facts Premier 2017, .

CHISWELL STUDY PART 2

Pop-Facts Demographics Snapshot | Housing & Households

Trade Area: 10804 New Rochelle

Total Population: 44,541

Total Households: 15,994

	10804 New Rochelle Count	%
2017 Est. Housing Units by Units in Structure		
1 Unit Attached	580	3.41
1 Unit Detached	11,645	68.43
2 Units	1,519	8.93
3 to 4 Units	524	3.08
5 to 19 Units	673	3.96
20 to 49 Units	735	4.32
50 or More Units	1,325	7.79
Mobile Home or Trailer	16	0.09
Boat, RV, Van, etc.	0	0.00
2017 Est. Housing Units by Year Structure Built		
Built 2010 or Later	713	4.19
Built 2000 to 2009	803	4.72
Built 1990 to 1999	540	3.17
Built 1980 to 1989	1,014	5.96
Built 1970 to 1979	1,193	7.01
Built 1960 to 1969	1,950	11.46
Built 1950 to 1959	3,766	22.13
Built 1940 to 1949	1,327	7.80
Built 1939 or Earlier	5,711	33.56
2017 Housing Units by Year Structure Built		
2017 Est. Median Year Structure Built	—	1,954.14
2017 Est. Households by Presence of People Under 18		
2017 Est. Households by Presence of People Under 18	6,412	40.09
Households with 1 or More People under Age 18		
Married Couple Family	5,611	87.51
Other Family, Male Householder	161	2.51
Other Family, Female Householder	629	9.81
NonFamily Household, Male Householder	10	0.16
NonFamily Household, Female Householder	1	0.02
Households with No People under Age 18		
Households with No People under Age 18	9,582	59.91
Married Couple Family	4,847	50.58
Other Family, Male Householder	213	2.22
Other Family, Female Householder	549	5.73
NonFamily, Male Householder	1,402	14.63
NonFamily, Female Householder	2,571	26.83

Benchmark: USA

Copyright © 2017 by Environics Analytics (EA). Source: Claritas - Pop-Facts Premier 2017, .

Pop-Facts Demographics Snapshot | Affluence & Education

Trade Area: 10804 New Rochelle

Total Population: 44,541
Total Households: 15,994

	10804 New Rochelle Count	%
2017 Est. Pop Age 25+ by Edu. Attainment		
Less than 9th Grade	757	2.62
Some High School, No Diploma	657	2.27
High School Graduate (or GED)	3,290	11.38
Some College, No Degree	3,413	11.81
Associate's Degree	1,229	4.25
Bachelor's Degree	9,430	32.62
Master's Degree	6,177	21.37
Professional Degree	3,029	10.48
Doctorate Degree	928	3.21
2017 Est. Pop Age 25+ by Edu. Attain., Hisp./Lat.		
High School Diploma	325	15.43
High School Graduate	387	18.37
Some College or Associate's Degree	495	23.49
Bachelor's Degree or Higher	900	42.72
2017 Est. Households by HH Income		
Income < \$15,000	737	4.61
Income \$15,000 - \$24,999	705	4.41
Income \$25,000 - \$34,999	601	3.76
Income \$35,000 - \$49,999	1,061	6.63
Income \$50,000 - \$74,999	1,298	8.12
Income \$75,000 - \$99,999	1,157	7.23
Income \$100,000 - \$124,999	1,319	8.25
Income \$125,000 - \$149,999	1,139	7.12
Income \$150,000 - \$199,999	1,886	11.79
Income \$200,000 - \$249,999	1,179	7.37
Income \$250,000 - \$499,999	2,316	14.48
Income \$500,000+	2,596	16.23
2017 Est. Average Household Income	—	214,047.00
2017 Est. Median Household Income	—	149,532.32
2017 Median HH Inc. by Single-Class. Race or Eth.		
White Alone	—	180,283.31
Black or African American Alone	—	148,966.17
American Indian and Alaskan Native Alone	—	77,945.61
Asian Alone	—	200,000.02
Native Hawaiian and Other Pacific Islander Alone	—	50,000.00
Some Other Race Alone	—	35,738.56
Two or More Races	—	116,161.91
Hispanic or Latino	—	84,639.12
Not Hispanic or Latino	—	183,691.19
2017 Est. Families by Poverty Status		
2017 Families at or Above Poverty	11,587	96.47
2017 Families at or Above Poverty with children	6,127	51.01
2017 Families Below Poverty	424	3.53
2017 Families Below Poverty with children	250	2.08

Benchmark: USA

Copyright © 2017 by Environics Analytics (EA). Source: Claritas - Pop-Facts Premier 2017, .

Pop-Facts Demographics Snapshot | Employment & Occupation

Trade Area: 10804 New Rochelle

Total Population: 44,541
Total Households: 15,994

	10804 New Rochelle Count	%
2017 Est. Employed Civilian Population 16+ by Occupation Classification		
White Collar	17,459	84.19
Blue Collar	1,321	6.37
Service and Farming	1,958	9.44
2017 Est. Workers Age 16+ by Travel Time to Work		
Less than 15 Minutes	4,056	21.79
15 - 29 Minutes	4,933	26.50
30 - 44 Minutes	2,482	13.33
45 - 59 Minutes	2,407	12.93
60 or more Minutes	4,736	25.44
2017 Est. Avg Travel Time to Work in Minutes	—	38.80
2017 Est. Workers Age 16+ by Transp. to Work		
2017 Est. Workers Age 16+ by Transp. to Work	20,198	100.00
Drove Alone	11,158	55.24
Carpooled	989	4.90
Public Transport	5,693	28.19
Walked	537	2.66
Bicycle	56	0.28
Other Means	178	0.88
Worked at Home	1,587	7.86
2017 Est. Civ. Employed Pop 16+ by Class of Worker		
2017 Est. Civ. Employed Pop 16+ by Class of Worker	20,738	100.00
For-Profit Private Workers	12,467	60.12
Non-Profit Private Workers	2,048	9.88
Local Government Workers	1,618	7.80
State Government Workers	407	1.96
Federal Government Workers	382	1.84
Self-Employed Workers	3,797	18.31
Unpaid Family Workers	19	0.09
2017 Est. Civ. Employed Pop 16+ by Occupation		
Architecture/Engineering	229	1.10
Arts/Design/Entertainment/Sports/Media	923	4.45
Building/Grounds Cleaning/Maintenance	418	2.02
Business/Financial Operations	1,857	8.96
Community/Social Services	252	1.22
Computer/Mathematical	410	1.98
Construction/Extraction	554	2.67
Education/Training/Library	1,827	8.81
Farming/Fishing/Forestry	7	0.03
Food Preparation/Serving Related	475	2.29
Healthcare Practitioner/Technician	1,626	7.84
Healthcare Support	166	0.80
Installation/Maintenance/Repair	361	1.74
Legal	990	4.77
Life/Physical/Social Science	311	1.50
Management	4,167	20.09
Office/Administrative Support	1,715	8.27
Production	202	0.97
Protective Services	313	1.51
Sales/Related	3,152	15.20
Personal Care/Service	579	2.79
Transportation/Material Moving	204	0.98
2017 Est. Pop Age 16+ by Employment Status		
In Armed Forces	3	0.01
Civilian - Employed	20,749	59.89
Civilian - Unemployed	1,215	3.51
Not in Labor Force	12,680	36.60

Benchmark: USA

Copyright © 2017 by Environics Analytics (EA). Source: Claritas - Pop-Facts Premier 2017, .

Pop-Facts Demographics Snapshot | Map

Trade Area: 10804 New Rochelle

Total Population: 44,541
Total Households: 15,994



Benchmark:USA

Copyright © 2017 by Environics Analytics (EA). Source: Claritas - Pop-Facts Premier 2017.

Pop-Facts Demographics Snapshot | Summary

Trade Area: 10580 Rye, NY

	10580 Rye, NY Total	%
Population		
2000 Census	28,831	100.00
2010 Census	29,483	100.00
2017 Estimate	30,558	100.00
2022 Projection	31,357	100.00
Population Growth		
Percent Change: 2000 to 2010	-	2.26
Percent Change: 2010 to 2017	-	3.65
Percent Change: 2017 to 2022	-	2.62
	10580 Rye, NY Total	%
Households		
2000 Census	10,529	100.00
2010 Census	10,588	100.00
2017 Estimate	11,073	100.00
2022 Projection	11,414	100.00
Household Growth		
Percent Change: 2000 to 2010	-	0.56
Percent Change: 2010 to 2017	-	4.58
Percent Change: 2017 to 2022	-	3.08
	10580 Rye, NY Total	%
Family Households		
2000 Census	7,816	100.00
2010 Census	7,770	100.00
2017 Estimate	8,102	100.00
2022 Projection	8,337	100.00
Family Household Growth		
Percent Change: 2000 to 2010	-	-0.59
Percent Change: 2010 to 2017	-	4.27
Percent Change: 2017 to 2022	-	2.90

Benchmark: USA

Copyright © 2017 by Environics Analytics (EA). Source: Claritas - Pop-Facts Premier 2017, .

Pop-Facts Demographics Snapshot | Population & Race

Trade Area: 10580 Rye, NY

Total Population: 30,558
Total Households: 11,073

	10580 Rye, NY Count	%
2017 Est. Population by Single-Classification Race		
White Alone	26,064	85.29
Black/African American Alone	477	1.56
American Indian/Alaskan Native Alone	67	0.22
Asian Alone	2,477	8.11
Native Hawaiian/Pacific Islander Alone	3	0.01
Some Other Race Alone	760	2.49
Two or More Races	710	2.32
2017 Est. Population by Hispanic or Latino Origin		
Not Hispanic or Latino	27,760	90.84
Hispanic or Latino	2,798	9.16
Mexican	520	18.59
Puerto Rican	539	19.26
Cuban	144	5.15
All Other Hispanic or Latino	1,595	57.01
2017 Est. Pop by Race, Asian Alone, by Category		
Chinese, except Taiwanese	323	13.04
Filipino	92	3.71
Japanese	1,472	59.43
Asian Indian	291	11.75
Korean	111	4.48
Vietnamese	0	0.00
Cambodian	19	0.77
Hmong	1	0.04
Lao/Tian	0	0.00
Thai	10	0.40
All Other Asian Races Including 2+ Category	158	6.38
2017 Est. Population by Ancestry		
Arab	446	1.46
Czech	1	0.00
Danish	45	0.15
Dutch	135	0.44
English	1,362	4.46
French (Excluding Basque)	248	0.81
French Canadian	9	0.03
German	1,816	5.94
Greek	179	0.59
Hungarian	103	0.34
Irish	3,111	10.18
Italian	5,491	17.97
Lithuanian	216	0.71
Norwegian	104	0.34
Polish	568	1.86
Portuguese	84	0.28
Russian	972	3.18
Scottish	208	0.68
Scotch-Irish	55	0.18
Slovak	39	0.13
Sub-Saharan African	160	0.52
Swedish	170	0.56
Swiss	33	0.11
Ukrainian	84	0.28
United States or American	3,629	11.88
Welsh	15	0.05
West Indian (except Hisp. groups)	76	0.25
Other ancestries	8,450	27.65
Ancestries Unclassified	2,749	9.00
2017 Est. Pop Age 5+ by Language Spoken At Home		
Speak Only English at Home	21,231	74.08
Speak Asian/Pacific Isl. Lang. at Home	2,063	7.20
Speak Indo-European Language at Home	2,686	9.37
Speak Spanish at Home	2,100	7.33
Speak Other Language at Home	580	2.02
2017 Est. Hisp. or Latino Pop by Single-Class. Race		
White Alone	1,776	63.47
Black/African American Alone	65	2.32
American Indian/Alaskan Native Alone	54	1.93
Asian Alone	12	0.43
Native Hawaiian/Pacific Islander Alone	0	0.00
Some Other Race Alone	702	25.09
Two or More Races	189	6.75

Benchmark: USA

Copyright © 2017 by Environics Analytics (EA). Source: Claritas - Pop-Facts Premier 2017, .

Pop-Facts Demographics Snapshot | Population & Race

Trade Area: 10580 Rye, NY

Total Population: 30,558
Total Households: 11,073

	10580 Rye, NY Count	%
2017 Est. Population by Sex		
Male	14,737	48.23
Female	15,821	51.77
2017 Est. Population by Age		
Age 0 - 4	1,898	6.21
Age 5 - 9	2,098	6.87
Age 10 - 14	2,514	8.23
Age 15 - 17	1,527	5.00
Age 18 - 20	1,325	4.34
Age 21 - 24	1,637	5.36
Age 25 - 34	2,445	8.00
Age 35 - 44	3,125	10.23
Age 45 - 54	4,931	16.14
Age 55 - 64	4,213	13.79
Age 65 - 74	2,408	7.88
Age 75 - 84	1,447	4.74
Age 85 and over	990	3.24
Age 16 and over	23,541	77.04
Age 18 and over	22,521	73.70
Age 21 and over	21,196	69.36
Age 65 and over	4,845	15.86
Median Age	-	41.35
Average Age	-	39.58
2017 Est. Pop Age 15+ by Marital Status		
Total, Never Married	5,716	23.77
Male, Never Married	3,072	12.77
Female, Never Married	2,644	10.99
Married, Spouse Present	14,493	60.27
Married, Spouse Absent	956	3.98
Widowed	1,364	5.67
Male, Widowed	216	0.90
Female, Widowed	1,148	4.77
Divorced	1,519	6.32
Male, Divorced	526	2.19
Female, Divorced	993	4.13
2017 Est. Male Population by Age		
Male: Age 0 - 4	970	6.58
Male: Age 5 - 9	1,051	7.13
Male: Age 10 - 14	1,315	8.92
Male: Age 15 - 17	779	5.29
Male: Age 18 - 20	678	4.60
Male: Age 21 - 24	824	5.59
Male: Age 25 - 34	1,191	8.08
Male: Age 35 - 44	1,462	9.92
Male: Age 45 - 54	2,364	16.04
Male: Age 55 - 64	2,053	13.93
Male: Age 65 - 74	1,125	7.63
Male: Age 75 - 84	597	4.05
Male: Age 85 and over	328	2.23
Median Age, Male	-	39.27
Average Age, Male	-	38.16
2017 Est. Female Population by Age		
Female: Age 0 - 4	928	5.87
Female: Age 5 - 9	1,047	6.62
Female: Age 10 - 14	1,199	7.58
Female: Age 15 - 17	748	4.73
Female: Age 18 - 20	647	4.09
Female: Age 21 - 24	813	5.14
Female: Age 25 - 34	1,254	7.93
Female: Age 35 - 44	1,663	10.51
Female: Age 45 - 54	2,567	16.23
Female: Age 55 - 64	2,160	13.65
Female: Age 65 - 74	1,283	8.11
Female: Age 75 - 84	850	5.37
Female: Age 85 and over	662	4.18
Median Age, Female	-	43.01
Average Age, Female	-	40.90

Benchmark: USA

Copyright © 2017 by Environics Analytics (EA). Source: Claritas - Pop-Facts Premier 2017, .

Pop-Facts Demographics Snapshot | Housing & Households

Trade Area: 10580 Rye, NY

Total Population: 30,558

Total Households: 11,073

	Count	10580 Rye, NY	%
2017 Est. Households by Household Type			
Family Households	8,102		73.17
NonFamily Households	2,971		26.83
2017 Est. Group Quarters Population			
2017 Est. Group Quarters Population	167		0.55
2017 HHs By Ethnicity, Hispanic/Latino			
2017 HHs By Ethnicity, Hispanic/Latino	817		7.38
2017 Est. Family HH Type by Presence of Own Child.			
Married Couple Family, own children	3,879		47.88
Married Couple Family, no own children	3,086		38.09
Male Householder, own children	107		1.32
Male Householder, no own children	163		2.01
Female Householder, own children	420		5.18
Female Householder, no own children	447		5.52
2017 Est. Households by Household Size			
1-Person Household	2,641		23.85
2-Person Household	3,074		27.76
3-Person Household	1,819		16.43
4-Person Household	2,088		18.86
5-Person Household	1,047		9.46
6-Person Household	322		2.91
7-or-more-person	82		0.74
2017 Est. Average Household Size	—		2.74
2017 Est. Households by Number of Vehicles			
No Vehicles	741		6.69
1 Vehicle	3,509		31.69
2 Vehicles	4,679		42.26
3 Vehicles	1,559		14.08
4 Vehicles	492		4.44
5 or more Vehicles	93		0.84
2017 Est. Average Number of Vehicles	—		1.86
2017 Est. Occupied Housing Units by Tenure			
Housing Units, Owner-Occupied	7,540		68.09
Housing Units, Renter-Occupied	3,533		31.91
2017 Owner Occ. HUs: Avg. Length of Residence			
2017 Owner Occ. HUs: Avg. Length of Residence	—		18.65
2017 Renter Occ. HUs: Avg. Length of Residence			
2017 Renter Occ. HUs: Avg. Length of Residence	—		7.35
2017 Est. Owner-Occupied Housing Units by Value			
Value Less than \$20,000	117		1.55
Value \$20,000 - \$39,999	19		0.25
Value \$40,000 - \$59,999	11		0.15
Value \$60,000 - \$79,999	47		0.62
Value \$80,000 - \$99,999	38		0.50
Value \$100,000 - \$149,999	49		0.65
Value \$150,000 - \$199,999	115		1.52
Value \$200,000 - \$299,999	240		3.18
Value \$300,000 - \$399,999	283		3.75
Value \$400,000 - \$499,999	306		4.06
Value \$500,000 - \$749,999	1,263		16.75
Value \$750,000 - \$999,999	1,256		16.66
Value \$1,000,000 or more	3,796		50.34
2017 Est. Median All Owner-Occupied Housing Value	—		1,000,000.01

Benchmark: USA

Copyright © 2017 by Environics Analytics (EA). Source: Claritas - Pop-Facts Premier 2017, .

Pop-Facts Demographics Snapshot | Housing & Households

Trade Area: 10580 Rye, NY

Total Population: 30,558
Total Households: 11,073

	10580 Rye, NY	
	Count	%
2017 Est. Housing Units by Units in Structure		
1 Unit Attached	505	4.25
1 Unit Detached	7,244	61.03
2 Units	1,462	12.32
3 to 4 Units	520	4.38
5 to 19 Units	636	5.36
20 to 49 Units	492	4.14
50 or More Units	994	8.38
Mobile Home or Trailer	16	0.14
Boat, RV, Van, etc.	0	0.00
2017 Est. Housing Units by Year Structure Built		
Built 2010 or Later	615	5.18
Built 2000 to 2009	666	5.61
Built 1990 to 1999	495	4.17
Built 1980 to 1989	786	6.62
Built 1970 to 1979	883	7.44
Built 1960 to 1969	1,462	12.32
Built 1950 to 1959	2,232	18.80
Built 1940 to 1949	916	7.72
Built 1939 or Earlier	3,814	32.13
2017 Housing Units by Year Structure Built		
2017 Est. Median Year Structure Built	—	1,955.51
2017 Est. Households by Presence of People Under 18		
2017 Est. Households by Presence of People Under 18	4,536	40.97
Households with 1 or More People under Age 18		
Married Couple Family	3,930	86.64
Other Family, Male Householder	124	2.73
Other Family, Female Householder	473	10.43
NonFamily Household, Male Householder	8	0.18
NonFamily Household, Female Householder	1	0.02
Households with No People under Age 18		
Households with No People under Age 18	6,537	59.03
Married Couple Family	3,032	46.38
Other Family, Male Householder	146	2.23
Other Family, Female Householder	395	6.04
NonFamily, Male Householder	1,081	16.54
NonFamily, Female Householder	1,883	28.80

Benchmark: USA

Copyright © 2017 by Environics Analytics (EA). Source: Claritas - Pop-Facts Premier 2017, .

Pop-Facts Demographics Snapshot | Affluence & Education

Trade Area: 10580 Rye, NY

Total Population: 30,558
Total Households: 11,073

	10580 Rye, NY	
	Count	%
2017 Est. Pop Age 25+ by Edu. Attainment		
Less than 9th Grade	636	3.25
Some High School, No Diploma	542	2.77
High School Graduate (or GED)	2,478	12.67
Some College, No Degree	2,414	12.34
Associate's Degree	883	4.51
Bachelor's Degree	6,662	34.06
Master's Degree	3,897	19.92
Professional Degree	1,553	7.94
Doctorate Degree	494	2.53
2017 Est. Pop Age 25+ by Edu. Attain., Hisp./Lat.		
High School Diploma	286	17.62
High School Graduate	332	20.46
Some College or Associate's Degree	369	22.74
Bachelor's Degree or Higher	636	39.19
2017 Est. Households by HH Income		
Income < \$15,000	595	5.37
Income \$15,000 - \$24,999	529	4.78
Income \$25,000 - \$34,999	434	3.92
Income \$35,000 - \$49,999	774	6.99
Income \$50,000 - \$74,999	921	8.32
Income \$75,000 - \$99,999	828	7.48
Income \$100,000 - \$124,999	927	8.37
Income \$125,000 - \$149,999	765	6.91
Income \$150,000 - \$199,999	1,280	11.56
Income \$200,000 - \$249,999	804	7.26
Income \$250,000 - \$499,999	1,522	13.74
Income \$500,000+	1,694	15.30
2017 Est. Average Household Income	-	206,160.42
2017 Est. Median Household Income	-	141,873.15
2017 Median HH Inc. by Single-Class. Race or Eth.		
White Alone	-	145,509.75
Black or African American Alone	-	114,641.99
American Indian and Alaskan Native Alone	-	78,490.22
Asian Alone	-	200,000.06
Native Hawaiian and Other Pacific Islander Alone	-	67,984.38
Some Other Race Alone	-	29,545.50
Two or More Races	-	111,432.16
Hispanic or Latino	-	52,055.63
Not Hispanic or Latino	-	149,962.62
2017 Est. Families by Poverty Status		
2017 Families at or Above Poverty	7,768	95.88
2017 Families at or Above Poverty with children	4,358	53.79
2017 Families Below Poverty	334	4.12
2017 Families Below Poverty with children	212	2.62

Benchmark: USA

Copyright © 2017 by Environics Analytics (EA). Source: Claritas - Pop-Facts Premier 2017, .

Pop-Facts Demographics Snapshot | Employment & Occupation

Trade Area: 10580 Rye, NY

Total Population: 30,558

Total Households: 11,073

	10580 Rye, NY Count	%
2017 Est. Employed Civilian Population 16+ by Occupation Classification		
White Collar	11,381	82.73
Blue Collar	953	6.93
Service and Farming	1,423	10.34
2017 Est. Workers Age 16+ by Travel Time to Work		
Less than 15 Minutes	2,999	23.84
15 - 29 Minutes	3,284	26.11
30 - 44 Minutes	1,382	10.99
45 - 59 Minutes	1,657	13.17
60 or more Minutes	3,256	25.89
2017 Est. Avg Travel Time to Work in Minutes	—	38.71
2017 Est. Workers Age 16+ by Transp. to Work		
2017 Est. Workers Age 16+ by Transp. to Work	13,375	100.00
Drove Alone	7,295	54.54
Carpooled	631	4.72
Public Transport	4,072	30.45
Walked	379	2.83
Bicycle	53	0.40
Other Means	156	1.17
Worked at Home	789	5.90
2017 Est. Civ. Employed Pop 16+ by Class of Worker		
2017 Est. Civ. Employed Pop 16+ by Class of Worker	13,757	100.00
For-Profit Private Workers	8,820	64.11
Non-Profit Private Workers	1,252	9.10
Local Government Workers	975	7.09
State Government Workers	305	2.22
Federal Government Workers	249	1.81
Self-Employed Workers	2,141	15.56
Unpaid Family Workers	15	0.11
2017 Est. Civ. Employed Pop 16+ by Occupation		
Architecture/Engineering	105	0.76
Arts/Design/Entertainment/Sports/Media	687	4.99
Building/Grounds Cleaning/Maintenance	319	2.32
Business/Financial Operations	1,244	9.04
Community/Social Services	122	0.89
Computer/Mathematical	215	1.56
Construction/Extraction	427	3.10
Education/Training/Library	1,171	8.51
Farming/Fishing/Forestry	6	0.04
Food Preparation/Serving Related	368	2.67
Healthcare Practitioner/Technician	803	5.84
Healthcare Support	134	0.97
Installation/Maintenance/Repair	247	1.79
Legal	491	3.57
Life/Physical/Social Science	174	1.26
Management	2,910	21.15
Office/Administrative Support	1,224	8.90
Production	131	0.95
Protective Services	172	1.25
Sales/Related	2,235	16.25
Personal Care/Service	424	3.08
Transportation/Material Moving	148	1.08
2017 Est. Pop Age 16+ by Employment Status		
2017 Est. Pop Age 16+ by Employment Status	0	0.00
In Armed Forces	13,740	58.37
Civilian - Employed	813	3.45
Civilian - Unemployed	8,988	38.18
Not in Labor Force		

Benchmark: USA

Copyright © 2017 by Environics Analytics (EA). Source: Claritas - Pop-Facts Premier 2017, .

Pop-Facts Demographics Snapshot | Map

Trade Area: 10580 Rye, NY

Total Population: 30,558
Total Households: 11,073



Benchmark:USA

Copyright © 2017 by Environics Analytics (EA). Source: Claritas - Pop-Facts Premier 2017.

Hudson Engineering Water & Sewer Load Calculations



Proposed Water and Sewer Load Calculations

The proposed building is with four bathrooms, 1 service sink and 1 water fountain. Based upon the New York State Plumbing Code, Appendix E, the existing buildings to be removed and the storage building is utilizing an estimated 32 (public) water supply fixture units (wsfu) (see calculation below). The peak flow rate for the facility is estimated at 24.9 gpm.

Based upon the New York State Department of Environmental Conservation's Design Standards for Wastewater Treatment Works (1988), the Expected Hydraulic daily Loading is 15 gallons per person per day per shift ("factory"). It is anticipated that there will be 2-shifts of 5-employee each at the facility; therefore, The Total Daily Hydraulic Loading is 150 gallons per day.

**WATER FIXTURE LOADING
BASED UPON PLUMBING CODE OF NEW YORK STATE
TABLE E101B**

FIXTURE	OCCUPANCY	TYPE OF SUPPLY CONTROL	LOAD VALUES, IN WATER SUPPLY FIXTURE UNITS (wsfu)			QUANTITY	TOTAL LOAD VALUE
			Cold	Hot	Total		
Bathroom group	Private	Flush tank	2.7	1.5	3.6		0
Bathroom group	Private	Flush valve	6	3	8		0
Bathtub	Private	Faucet	1	1	1.4		0
Bathtub	Public	Faucet	3	3	4		0
Bidet	Private	Faucet	1.5	1.5	2		0
Combination fixture	Private	Faucet	2.25	2.25	3		0
Dishwashing machine	Private	Automatic	—	1.4	1.4		0
Drinking fountain	Offices, etc.	$\frac{3}{8}$ " valve	0.25	—	0.25	1	0.25
Kitchen sink	Private	Faucet	1	1	1.4		0
Kitchen sink	Hotel, restaurant	Faucet	3	3	4		0
Laundry trays (1 to 3)	Private	Faucet	1	1	1.4		0
Lavatory	Private	Faucet	0.5	0.5	0.7		0
Lavatory	Public	Faucet	1.5	1.5	2	4	8
Service sink	Offices, etc.	Faucet	2.25	2.25	3	1	3
Shower head	Public	Mixing valve	3	3	4		0
Shower head	Private	Mixing valve	1	1	1.4		0
Urinal	Public	1" flush valve	10	—	10		0
Urinal	Public	$\frac{3}{4}$ " flush valve	5	—	5		0
Urinal	Public	Flush tank	3	—	3		0
Washing machine (8 lb)	Private	Automatic	1	1	1.4		0
Washing machine (8 lb)	Public	Automatic	2.25	2.25	3		0
Washing machine (15 lb)	Public	Automatic	3	3	4		0
Water closet	Private	Flush valve	6	—	6		0
Water closet	Private	Flush tank	2.2	—	2.2		0
Water closet	Public	Flush valve	10	—	10		0
Water closet	Public	Flush tank	5	—	5	4	20
Water closet	Public or private	Flushometer tank	2	—	2		0
TOTAL LOAD FOR DEVELOPMENT (wsfu)							31.25



Existing Water and Sewer Load Calculations

The existing buildings to be removed and the existing storage facility have a total of 6 bathrooms, 2 service sinks, and 1 kitchen sink. Based upon the New York State Plumbing Code, Appendix E, the building is utilizing an estimated 42 (public) water supply fixture units (wsfu) (see attached calculation). The peak flow rate for the facility is estimated at 27.7 gpm.

Based upon the New York State Department of Environmental Conservation's Design Standards for Wastewater Treatment Works (1988), the Expected Hydraulic daily Loading is 15 gallons per person per day per shift ("office"). The existing employee load for the 7 rentable contractor units and the existing self-storage is approximated at 2-shifts of 9-employee (1 per each rentable contractor unit and 2 employees for the storage area) at the facility; therefore, The Total Daily Hydraulic Loading is 270 gallons per day.

**WATER FIXTURE LOADING
BASED UPON PLUMBING CODE OF NEW YORK STATE
TABLE E101B**

FIXTURE	OCCUPANCY	TYPE OF SUPPLY CONTROL	LOAD VALUES, IN WATER SUPPLY FIXTURE UNITS (wsfu)			QUANTITY	TOTAL LOAD VALUE
			Cold	Hot	Total		
Bathroom group	Private	Flush tank	2.7	1.5	3.6		0
Bathroom group	Private	Flush valve	6	3	8		0
Bathtub	Private	Faucet	1	1	1.4		0
Bathtub	Public	Faucet	3	3	4		0
Bidet	Private	Faucet	1.5	1.5	2		0
Combination fixture	Private	Faucet	2.25	2.25	3		0
Dishwashing machine	Private	Automatic	—	1.4	1.4		0
Drinking fountain	Offices, etc.	$\frac{3}{8}$ " valve	0.25	—	0.25		0
Kitchen sink	Private	Faucet	1	1	1.4		0
Kitchen sink	Hotel, restaurant	Faucet	3	3	4		1
Laundry trays (1 to 3)	Private	Faucet	1	1	1.4		0
Lavatory	Private	Faucet	0.5	0.5	0.7		0
Lavatory	Public	Faucet	1.5	1.5	2	5	10
Service sink	Offices, etc.	Faucet	2.25	2.25	3	2	6
Shower head	Public	Mixing valve	3	3	4		0
Shower head	Private	Mixing valve	1	1	1.4		0
Urinal	Public	1" flush valve	10	—	10		0
Urinal	Public	$\frac{3}{4}$ " flush valve	5	—	5		0
Urinal	Public	Flush tank	3	—	3		0
Washing machine (8 lb)	Private	Automatic	1	1	1.4		0
Washing machine (8 lb)	Public	Automatic	2.25	2.25	3		0
Washing machine (15 lb)	Public	Automatic	3	3	4		0
Water closet	Private	Flush valve	6	—	6		0
Water closet	Private	Flush tank	2.2	—	2.2		0
Water closet	Public	Flush valve	10	—	10		0
Water closet	Public	Flush tank	5	—	5	5	25
Water closet	Public or private	Flushometer tank	2	—	2		0
TOTAL LOAD FOR DEVELOPMENT (wsfu)							42

**Phase II
Environmental Site
Assessment**

PHASE II ENVIRONMENTAL SITE ASSESSMENT

416 WAVERLY AVENUE
MAMARONECK, NEW YORK

PREPARED FOR:

MR. CHRIS MURPHY
EAST COST NORTH PROPERTIES, LLC
CHRIS@MURPHYBROTHERS.COM

PREPARED BY:

HYDROENVIRONMENTAL SOLUTIONS, INC.
ENVIRONMENTAL CONSULTANTS
ONE DEANS BRIDGE ROAD
SOMERS, NEW YORK 10589
(914) 276-2560
WCANAVAN@HESNY.COM

July 20, 2020

Prepared by:



Richard J. DePolo
Geologist/Hydrogeologist

Reviewed by:



William A. Canavan, PG, LSRP
President



914.276.2560 • Fax 914.276.2664 • <http://www.hesny.com>

Table of Contents

1.0 EXECUTIVE SUMMARY	1
2.0 INTRODUCTION	2
3.0 PURPOSE	2
3.1 Special Terms and Conditions	2
3.2 Limitations and Exceptions of Assessment	3
3.3 Limiting Conditions and Methodology Used	3
4.0 BACKGROUND	3
4.1 Physical Setting	3
4.2 Bedrock and Surficial Geology	3
5.0 SUMMARY OF PREVIOUS ASSESSMENTS	3
6.0 PHASE II ACTIVITIES	4
6.1 Scope of Assessment	4
6.1.1 Conceptual Site Model	4
6.1.2 Phase II ESA Work Plan	5
6.1.3 Chemical Testing Plan	6
6.1.4 Deviations from the Work Plan	6
6.2 Field Explorations and Methods	7
6.2.1 Test Borings	7
6.2.2 Monitoring Well Installation	7
6.3 Sampling and Chemical Analyses and Methods	8
6.3.1 Soil	8
6.3.2 Groundwater	8
7.0 EVALUATION AND PRESENTATION OF RESULTS	8
7.1 Subsurface Conditions	8
7.1.1 Geologic Setting	9
7.1.2 Hydrogeologic Conditions	9
7.1.3 Verification of Conceptual Site Model	9
7.2 Analytical Data	9
7.2.1 PID Screening of Soil Samples	9
7.2.2 Soil Quality Results	9
7.2.3 Groundwater Sampling Results	10
8.0 DISCUSSION OF FINDINGS AND CONCLUSIONS	11
8.1 Discussion of Results	11
8.2 Hydrogeologic Setting	12
8.3 Findings Related to Each Recognized Environmental Condition	12
9.0 RECOMMENDATIONS	13
10.0 REFERENCES	14



HydroEnvironmental
SOLUTIONS, INC.

TABLES

TABLE 1	SUMMARY OF SOIL QUALITY RESULTS
TABLE 2	SUMMARY OF GROUNDWATER QUALITY RESULTS

FIGURES

FIGURE 1	SITE LOCATION MAP
FIGURE 2	GENERALIZED SITE PLAN
FIGURE 3	PHOTOGRAPHS

APPENDICES

APPENDIX 1	HYDROENVIRONMENTAL SOLUTIONS, INC. PHASE I ESA REPORT
APPENDIX 2	GEOLOGIC LOGS
APPENDIX 3	SOIL AND GROUNDWATER LABORATORY ANALYTICAL REPORTS



PHASE II ENVIRONMENTAL SITE ASSESSMENT

**416 Waverly Avenue
Mamaroneck, New York**

1.0 EXECUTIVE SUMMARY

HydroEnvironmental Solutions, Inc. (HES), on behalf of Mr. Chris Murphy of East Coast North Properties, LLC (East Coast) has completed a Phase II Environmental Site Assessment (ESA) at the commercial property located at 416 Waverly Avenue in Mamaroneck, New York (the SITE). This ESA was prepared in conformance with HES' March 31, 2020 Phase II ESA proposal, New York State Department of Environmental Conservation (NYSDEC) rules and regulations and in accordance with ASTM International (ASTM) Standards 1527-05/13 and 1903-11 for conducting Phase II ESAs. All Phase II fieldwork was conducted by HES on July 2, 2020.

A prior Phase I ESA conducted for the site had **not** recommended additional investigation, however, the Village of Mamaroneck required that additional investigative work be completed on the site. HES submitted a written work scope and cost estimate to conduct the Phase II ESA and provided it to Mr. Murphy for review and approval. The following Phase II ESA field activities were completed:

- Drilling and installation of nine (9) soil borings at locations selected by HES;
- Collection of soil samples during drilling from six (6) of the test borings for volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs) at a New York State certified laboratory;
- Collection of soil samples during drilling from four (4) of the test borings for metals (target analyte list [TAL]), and PCBs.
- Installation of six (6) temporary monitoring wells at selected borehole locations;
- Collection of groundwater samples during drilling from all six of the monitoring wells for VOCs and SVOCs at a New York State certified laboratory;
- Preparation of this report.

Results of this work demonstrate that the soil beneath the SITE at the selected boring locations did not contain detectable concentrations of VOCs above laboratory method detection limits (MDLs). In the groundwater samples collected from temporary wells GB-1 TW and GB-5 TW, SVOCs were detected above laboratory MDLs. No concentrations of VOCs were detected in any of the groundwater samples collected. Metals were not detected in any of the four selected boring locations designated GB-1 TW, GB-3 TW, GB-5 TW, GB-6 TW, GB-7 TW and GB-8 above laboratory MDLs.

One Deans Bridge Road • Somers, New York 10589

914.276.2560 • FAX 914.276.2664

Groundwater was encountered at the six (6) monitoring wells at depths ranging from 4.9 feet below grade (ftbg) to approximately 8 ftbg.

2.0 INTRODUCTION

The subject SITE consists of an approximately 1.05-acre commercial property which contains multiple buildings. According to the previously completed Phase I ESA for the property and the supplemental documents included therein, there was a NYSDEC Spill Number closed at the site in February 2004 for a 550-gallon UST, which was removed from the site. There was also a subsurface investigation completed at the site by Melick-Tully and Associates, P.C. (Melick-Tully) in February 2014 to determine the type of soils under the site for engineering purposes. HES also conducted a subsurface investigation in April 2019 to assess the soil/fill quality beneath the site. A Phase I ESA was completed at this site in September 2019, and no further environmental action was recommended.

Based on historic documents provided in the Phase I ESA, remedial activities took place at the SITE related to the above-mentioned areas of concern (AOCs), including the former 550-gallon UST area. A Site Location Map is presented as **Figure 1** and a general site plan of the subject SITE is included as **Figure 2**.

3.0 PURPOSE

The purpose of this Phase II ESA was to identify, via subsurface investigation techniques, any contamination that existed beneath the SITE, although HES's Phase I ESA determined there were **no recognized environmental conditions** (RECs). However, based on phone correspondence with legal counsel and the project planner, this Phase II was required by the Village of Mamaroneck as part of the Final Environmental Impact Statement for the proposed site development plan at the subject site currently before the Village.

This report was prepared to describe the work conducted during this Phase II ESA, evaluate findings and provide conclusions and recommendations for future work at the SITE, if deemed necessary.

3.1 Special Terms and Conditions

This Phase II ESA was performed in conformance with HES' March 31, 2020 proposal, pertinent NYSDEC rules, regulations and guidelines; and ASTM Standards 1527-05/13 and 1903-11 Standard Practice for Site Assessments.

One Deans Bridge Road • Somers, New York 10589

914.276.2560 • FAX 914.276.2664

3.2 Limitations and Exceptions of Assessment

No limitations or exceptions have affected this assessment in any way.

3.3 Limiting Conditions and Methodology Used

No limiting conditions or methodology have affected this assessment in any way.

4.0 BACKGROUND

4.1 Physical Setting

The subject SITE consists of an approximately 1.05-acre parcel that currently contains five (5) buildings, a 2-story stucco building utilized as office space, a 3-story barn used as storage, a 2-story concrete-block building used as office space, a 2-story concrete-block building used as an auto-glass shop and a 4-story self-storage facility. The SITE is surrounded by commercial buildings to the north, west, and south, and former railroad tracks to the east. The SITE location is shown on **Figure 1** and is at an elevation of approximately 25 feet above sea level.

4.2 Bedrock and Surficial Geology

According to the Surficial Geologic Map of New York, Lower Hudson Sheet (Cadwell, 1989), the SITE is underlain by till of variable texture and thickness (1- 50 meters), and bedrock stipple overprint with variable mantle of rock and glacial till. The bedrock in this area may be within 1 - 3 meters of the surface and may sporadically out-crop. The bedrock below the SITE is mapped on the Geologic Map of New York, Lower Hudson Sheet (Fisher, 1970) as the Manhattan formation of the Middle Ordovician Period, and the Fordham Gneiss of the Upper Proterozoic Eon.

5.0 SUMMARY OF PREVIOUS ASSESSMENTS

HES completed a Phase I ESA Report, dated September 30, 2019 (**Appendix 1**). Based on the Phase I findings, HES determined that no further environmental investigation was warranted. However, due to the age of some of structures on-site proper sampling and abatement should be completed for PCBs, lead paint, and asbestos (out of scope items) should demolition and or renovation be planned.

- A spill closure report was completed ATC Associates, Inc. (ATC) in February 2004 for the removal of a 550-gallon Underground Storage Tank (UST). The spill was closed administratively by the New York State Department of
[One Deans Bridge Road • Somers, New York 10589](#)

914.276.2560 • FAX 914.276.2664

Environmental Conservation (NYSDEC) on March 23, 2004. This is referenced in HES's Phase I report.

- There was a subsurface investigation conducted by Melick-Tully in February 2014 to determine the type of foundation for the proposed 4-story building, and to determine if the soils below are suitable for the proposed building structure. This report is referenced in HES's Phase 1 ESA.
- A subsurface Investigation was conducted on May 20, 2019 by HES to assess the soil/fill quality beneath the site for disposal purposes. It was determined that none of the soils tested contained exceedances for VOCs or SVOCs for their respective NYSDEC Commercial Use Soil Cleanup Objectives (SCOs). This report is referenced in HES's Phase 1 ESA.

A. Past Uses of the Property

To HES' knowledge, the SITE has been used for commercial purposes, since approximately 1900. HES is aware that the SITE use prior to the current construction yard/office spaces/storage was a lumber yard dating back to 1900. This is referenced on the attached Phase I ESA performed by HES.

6.0 PHASE II ACTIVITIES

6.1 Scope of Assessment

6.1.1 Conceptual Site Model

The conceptual SITE model was developed using the cumulative data obtained from the SITE visit and our experience with similar sites. The following conceptual SITE model was prepared:

The SITE appears to be built on silt and gravel textured soils (fill) grading quickly into sand of high permeability which overlays bedrock. As is typical for most areas in this region, a highly fractured bedrock unit likely underlies the SITE.

Due to the topographic position of the site and the presence of fill, the water table is perched groundwater above underlying weathered bedrock. Groundwater is assumed to flow to the southeast towards the Long Island sound within the unconsolidated material and the fractured bedrock beneath the SITE; therefore; the overall flow characteristic of the SITE suggests that any contaminant impacted groundwater would migrate away from the SITE in

One Deans Bridge Road • Somers, New York 10589

914.276.2560 • FAX 914.276.2664

the groundwater to the south towards the sound. Vertical groundwater flow or contaminant migration would be anticipated at this SITE because of the coarse sand and gravel observed.

Released contaminants may become adsorbed on the soils immediately beneath the release and above the shallow rock unless a significant quantity was released providing a driving force to move the contaminant into contact with the bedrock and groundwater within this unit. If a lighter-than-water non-aqueous phase liquid (LNAPL) product were present and did reach the water table, it would then be expected to migrate horizontally on top of the water table in the bedrock. Any LNAPL that reached the water table would also begin to intermix and dissolve with the groundwater beneath the SITE establishing a plume of dissolved phase contamination.

The most elevated concentrations of contamination would be expected beneath the source just above the water table. The most elevated groundwater hydrocarbon concentrations would be expected at or near the top of the water table and may be found anywhere downgradient of the source. Concentrations would be expected to decline deeper into the water table.

6.1.2 Phase II ESA Work Plan

Based on the conceptual model, the following subsurface investigation plan was developed by HES. The objective of the plan was to determine, to the extent feasible, if subsurface contamination was present. The plan was developed with a focus on the extent and magnitude of the contamination (if any) including a determination of where the mass of contamination is present (i.e. where on-SITE) and which phase – adsorbed, vadose, and/or dissolved phase.

Considering the available information reviewed and our site visit, the following activities were recommended and completed:

- HES recommended installing up to ten (10) soil borings in the immediate vicinity of the areas of concern.
- Field screening of each soil sample with a properly calibrated MiniRae® 3000 photoionization detector (PID) during drilling.
- Collection of six (6) soil samples from the nine (9) borings installed exhibiting the highest PID readings, at the groundwater table, or at the maximum completion depths. Laboratory analyses conducted on six (6) soil samples included the following methods: EPA Method 8260 for VOCs and EPA Method 8270 (STARS list) for SVOCs. The other four (4) soil samples were collected and analyzed for TAL Metals and PCBs.
- Installation of six (6) temporary monitoring wells in six (6) of the boreholes for
One Deans Bridge Road • Somers, New York 10589

914.276.2560 • FAX 914.276.2664

collection of groundwater for laboratory analysis. Groundwater samples were collected from the temporary monitoring wells and submitted for laboratory analysis. Laboratory analyses conducted on groundwater samples included the following methods: EPA Method 8260 for VOCs and EPA Method 8270 (former STARS list) for SVOCs.

6.1.3 Chemical Testing Plan

HES' plan called for the collection of soil samples for laboratory analysis from most of the borings drilled. All soil samples were specified to be collected at the water table interface or from the interval that contained the highest PID assay or from the bottom of the boring. The sampling location was left to the discretion of the HES hydrogeologist overseeing the drilling. Groundwater samples were specified to be collected from all newly installed temporary monitoring wells in accordance with New York State protocols and industry accepted methods. All groundwater and soil samples collected from the SITE were specified to be submitted for various analyses in accordance with the analytical matrix presented below:

Boring ID	EPA 8260	EPA 8270 (STARS)	TAL Metals
GB-1 TW	S/GW	S/GW	S
GB-2	NA	NA	NA
GB-3 TW	S/GW	S/GW	NA
GB-4	NA	NA	NA
GB-5 TW	S/GW	S/GW	NA
GB-6 TW	S/GW	S/GW	S
GB-7 TW	S/GW	S/GW	S
GB-8 TW	S/GW	S/GW	S
GB-9	NA	NA	NA

Notes: GW=Groundwater; S=Soil/Sediment; NA=Not Analyzed

6.1.4 Deviations from the Work Plan

No significant deviations from the work plan were made during the Phase II ESA.

One Deans Bridge Road • Somers, New York 10589

914.276.2560 • FAX 914.276.2664

6.2 Field Explorations and Methods

6.2.1 Test Borings

The SITE was cleared for underground utilities by “Dig Safely New York”. Following the utility mark-outs, HES drilled each boring at the locations shown on **Figure 2**. The drilling work was conducted on July 2, 2020. Borings were installed using a Geoprobe® 54DT track-mounted drill rig and the direct-push drilling method (**Figure 3**).

The soil borings designated GB-1 TW through GB-9 were placed around the reported location of the historic UST. The soil borings were drilled using a 2.25-inch stainless-steel macro-core sampler. A 4-foot sampler was advanced continuously using a hydraulic hammer and the direct-push method to collect undisturbed sediment samples. Drilling continued at each location until the hole penetrated the inferred depth that groundwater was encountered.

An HES hydrogeologist was on-site throughout the drilling process to descriptively log the sediments encountered and to record other pertinent information about each boring, including the presence or absence of VOC odors and the inferred depth to groundwater. Copies of the completed Geologic Logs, including the results of the PID screening, are included as **Appendix 2**. The table below presents pertinent details regarding the drilling work that was completed:

Boring ID	Boring Depth (ftbg)	Highest PID Reading & Interval (ppm)
GB-1 TW	12	11.8 ppm
GB-2	12	0.5 ppm
GB-3 TW	12	0.5 ppm
GB-4	12	0.5 ppm
GB-5 TW	12	0.4 ppm
GB-6 TW	12	0.4 ppm
GB-7 TW	12	0.4 ppm
GB-8 TW	12	0.5 ppm
GB-9	12	0.3 ppm

PID = photoionization detector

ppm = parts per million

ftbg = feet below grade

6.2.2 Monitoring Well Installation

Temporary groundwater monitoring wells were installed in the boreholes designated GB-1 TW, GB-3 TW, GB-5 TW, GB-6 TW, GB-7 TW and GB-8 TW. The wells were constructed of 1-inch schedule 40 PVC using 20-slot well screen and solid casing to

One Deans Bridge Road • Somers, New York 10589

914.276.2560 • FAX 914.276.2664

completion depths of 12 ftbg. The well construction details are shown on the Geologic Logs in **Appendix 2**. The wells were allowed time to equilibrate prior to evacuation and sampling activities.

6.3 Sampling and Chemical Analyses and Methods

6.3.1 Soil

During drilling, soil samples that contained the highest PID assay or at the water table interface or from the bottom of the boring were collected for laboratory analysis at the test boring locations. The on-SITE HES hydrogeologist placed samples in appropriately labelled glassware. The samples were sent to York Analytical Laboratories, Inc. (York); a New York State certified laboratory located in Stratford, Connecticut. Collected samples were received at the laboratory on ice on July 6, 2020. Analyses were selected for the soil samples based on HES' Phase II ESA Work Plan and included EPA Method 8260 and EPA Method 8270 (former STARS list) for samples tested for VOCs and SVOCs. Select soil samples were also tested for TAL Metals and PCB-analysis.

6.3.2 Groundwater

Groundwater was collected from the monitoring wells installed at boring locations GB-1, GB-3, GB-5, GB-6, GB-7 and GB-8 based on the proposed work plan. Prior to sample collection, depth to water measurements (DTW) were collected using an electronic interface probe. Following DTW measurements, at least three standing well volumes of groundwater were evacuated using a dedicated polyethylene bailer. The groundwater samples, which are designated as GB-1 TW, GB-3 TW, GB-5 TW, GB-6 TW, GB-7 TW and GB-8 TW, were collected in appropriately labeled glassware and in accordance with industry accepted protocols. The samples were transported on ice and received by York on July 6, 2020 to be analyzed for VOCs and SVOCs using EPA Method 8260 and EPA Method 8270 (former STARS list).

7.0 EVALUATION AND PRESENTATION OF RESULTS

7.1 Subsurface Conditions

The following subsurface conditions were observed during the course of this Phase II ESA.

One Deans Bridge Road • Somers, New York 10589

914.276.2560 • FAX 914.276.2664

7.1.1 Geologic Setting

Review of the Geologic Logs compiled by HES indicates the subsurface materials are comprised of the following sediments:

- From 0 to 4 ftbg – Fill composed of silt with some gravel and trace sand.
- From 4 to 8 ftbg – Sand and clay with some silt.
- From 8 to 12 ftbg – Sand with trace silt.

7.1.2 Hydrogeologic Conditions

Signs of groundwater (moisture, mottling etc.) were encountered at the boring locations at ranges of approximately 5 - 8 ftbg.

7.1.3 Verification of Conceptual Site Model

The collected soil data appear to validate the conceptual model that was developed by HES. In general, the subsurface conditions are as follows:

- ❖ Silty fill material with a layer of organic clay overlying coarse-grained sand and silt material to a maximum completion depth of 12 ftbg.

7.2 Analytical Data

7.2.1 PID Screening of Soil Samples

As described above, during drilling of the borings, the on-SITE HES hydrogeologist screened the collected soil samples for the presence of detectable VOC vapors using a PID. The field screening results indicate that VOC vapors were detected at GB-1 TW from 4 – 8 ftbg at 11.8 parts per million (ppm). The other boring locations did not contain VOC vapors at any of the locations. The PID assay data can be found on copies of each Geologic Log included as **Appendix 2** and are summarized above in **Section 6.2.1**.

7.2.2 Soil Quality Results

Sections 6.1.2 and **6.1.3** above provide the rationale for the placement of each soil boring, the type of samples HES recommended collecting, along with the matrix of laboratory analyses to be used. The soil laboratory analytical results indicate that none of the soil samples collected from the borings contained concentrations of VOCs that were detected

One Deans Bridge Road • Somers, New York 10589

914.276.2560 • FAX 914.276.2664

above laboratory MDLs. Soil collected from the borings designated GB-1 TW, GB-6 TW, GB-7 TW and GB-8 TW contained concentrations of metals detected above laboratory MDLs, but not exceeding the NYSDEC Unrestricted Use Soil Cleanup Objectives (NYSDEC-UUSCOs) in accordance with NYSDEC Commissioners Policy No. 51 (CP-51) and Subpart 375-6.8(a)

SVOC concentrations were detected above laboratory MDLs at the boring location designated GB-1 TW, and included Acenaphthylene, Benzo(a)anthracene, Benzo(a)fluoranthene, Benzo(a)pyrene, Benzo(g,h,i)perylene, Benzo(k)fluoranthracene, Chrysene, Dibenzo(a, h)anthracene, Indeno(1,2,3-cd)pyrene and Pyrene. Of these SVOC compounds, Indeno(1,2,3-cd) pyrene (0.720 mg/kg [milligrams per kilogram]) exceeded its NYSDEC-UUSCOs, but not its' NYSDEC Restricted Use Soil Cleanup Objectives-Commercial (RUSCOs). Mercury was also detected above its NYSDEC-UUSCOs (0.401 mg/kg), but not its' RUSCOs. There were no detections of PCBs in any of the selected borings designated GB-1 TW, GB-6 TW, GB-7 TW and GB-8 TW.

Of the VOC concentrations detected above laboratory MDLs at all aforementioned locations, no VOC concentrations exceeded their respective NYSDEC-UUSCOs. In the boring locations designated GB-1, GB-4, GB-7 and GB-8 concentrations of metals were detected above laboratory MDLs but below their respective NYSDEC-UUSCOs. The soil laboratory analytical results are summarized on **Table 1** and the laboratory analytical report is included in **Appendix 3**.

7.2.3 Groundwater Sampling Results

The groundwater samples collected from the temporary monitoring wells installed in GB-1 TW, GB-3 TW, GB-5 TW, GB-6 TW, GB-7 TW and GB-8 TW indicate that no VOCs were detected above laboratory MDLs in any of the groundwater samples submitted for analysis.

The groundwater collected from the temporary monitoring wells designated GB-1 TW and GB-5 TW contained concentrations of SVOC constituents above laboratory MDLs that exceeded their respective NYSDEC Ambient Water Quality Standards (AWQS) in accordance with the Technical and Operational Guidance Series (TOGS) 1.1.1. Additionally, for GB-1 TW, Benzo(a)anthracene (1.370 ug/L [micrograms per Liter]), Benzo(a)pyrene (2.140 ug/L), Benzo(b) fluoranthene (1.980 ug/L), Benzo(k)fluoranthene (1.490 ug/L), Chrysene (0.969 ug/L) and Indeno(1,2,3-cd)pyrene (0.954 ug/L) exceeded their respective NYSDEC-AWQS. GB-5 TW also contained detectable concentrations of Benzo(a)pyrene (0.0588 ug/L) and Benzo(b)fluoranthene (0.0588 ug/L) that exceeded their NYSDEC-AWQS.

The groundwater laboratory analytical results are summarized on **Table 2** and the laboratory analytical report is included in **Appendix 3**.

One Deans Bridge Road • Somers, New York 10589

914.276.2560 • FAX 914.276.2664

8.0 DISCUSSION OF FINDINGS AND CONCLUSIONS

This Phase II ESA was conducted in accordance with recommendations from the Village of Mamaroneck as described in the HES Phase II ESA Proposal dated March 31, 2020 and in accordance with the work described in **Sections 6.1**. No significant deviations to the work practice occurred during any portion of this ESA.

Based on the available information identified following review of the HES Phase I ESA, there were no observed RECs on the target site.

Based on the Village of Mamaroneck's requirements, HES has completed the following work tasks:

- Drilling and installation of nine (9) soil borings at locations selected by HES;
- Collection of soil samples during drilling from six (6) of the test borings for VOCs and SVOCs at a New York State certified laboratory;
- Collection of soil samples during drilling from four (4) of the test borings for TAL metals and PCBs at a New York State certified laboratory;
- Installation of six (6) temporary monitoring wells at selected borehole locations;
- Collection of groundwater samples during drilling from all six (6) of the monitoring wells for VOCs and SVOCs at a New York State certified laboratory;
- Preparation of this report.

8.1 Discussion of Results

The results of PID field screening of soil samples collected from test boring locations GB-1 TW through GB-9 indicate that petroleum hydrocarbon vapors were detected at low concentrations (<25 ppm) at the GB-1 TW boring location (11.8 ppm). The other borings did not contain petroleum hydrocarbon vapors.

The results of soil sampling for VOCs, SVOCs, TAL metals and PCBs indicate that no petroleum hydrocarbon constituents, metals or PCBs were detected above NYSDEC-RUSCOs for Commercial properties at any of the boring locations where these constituents were tested.

The results of groundwater sampling for VOCs and SVOCs indicate that several SVOCs were detected above NYSDEC-AWQS in the temporary monitoring wells installed in the GB-1 TW, and GB-5 TW boreholes. For GB-1 TW, Benzo(a)anthracene (1.370 ug/L), Benzo(a)pyrene (2.140 ug/L), Benzo(b) fluoranthene (1.980 ug/L), Benzo(k)fluoranthene (1.490 ug/L), Chrysene (0.969 ug/L) and Indeno(1,2,3-cd)pyrene (0.954 ug/L) exceeded their

One Deans Bridge Road • Somers, New York 10589

914.276.2560 • FAX 914.276.2664

respective NYSDEC-AWQS. GB-5 TW also had concentrations of Benzo(a)pyrene (0.0588 ug/L) and Benzo(b)fluoranthene (0.0588 ug/L) that exceeded their respective NYSDEC-AWQS.

These levels only slightly exceed their laboratory MDLs, and HES believes that the levels detected likely represent the background concentrations for these constituents in this area (commercial corridor). The site and surrounding area are built on top of urban fill material that likely contains trace levels of SVOCs, as observed in the groundwater sampling results.

8.2 Hydrogeologic Setting

The results of the subsurface investigation indicate that a shallow groundwater table exists at approximately 5 - 8 ftbg at the SITE. Based on the observed topography, groundwater flow, which often mimics surface contours, is likely to the southeast towards the Long Island Sound. The actual groundwater flow direction was not surveyed or confirmed during this Phase II ESA.

8.3 Findings Related to Each Recognized Environmental Condition

Based on these findings, it must be concluded that the all of the existing AOCs can be eliminated for the following reasons:

- Based on PID field screening and the laboratory results of the soil samples collected at the GB-1 TW, GB-3 TW, GB-5 TW, GB-6 TW, GB-7 TW, and GB-8 TW boring locations, it can be concluded that no detrimental impacts to soil quality remain that are related to the past tank removal activities at the SITE, and historic commercial use.
- Based on the laboratory results of the groundwater samples collected from temporary monitoring wells installed at the GB-1 TW, and GB-5 TW boreholes, several SVOCs were detected at levels slightly above their respective NYSDEC-AWQS. However, based on the detected levels of SVOCs (slightly above laboratory MDLs), the absence of VOCs detected in the groundwater samples, the location of the SITE in a commercial corridor (the site is adjacent to historic railroad tracks), and the fact that the SITE is/will be supplied potable water by municipal means, HES believes that these SVOC levels (which we believe to be background concentrations for the area) are not a concern to human health or the environment in this area.

One Deans Bridge Road • Somers, New York 10589

914.276.2560 • FAX 914.276.2664

➤ 9.0 RECOMMENDATIONS

Based on the absence of observed petroleum hydrocarbon impacts to the soil collected at the SITE and only minor impacts observed to groundwater beneath the SITE as detailed above, HES recommends that no additional environmental investigation or remediation be completed at the SITE.

- However, if any future excavation of utilities and/or soil removal occurs at the site, HES recommends proper classification and disposal of excavated soil at an approved disposal facility.

One Deans Bridge Road • Somers, New York 10589

914.276.2560 • FAX 914.276.2664

10.0 REFERENCES

- ASTM E 1527-13 Standard Practice for Environmental SITE Assessments: Phase I Environmental SITE Assessment Process, ASTM International, Conshohocken, PA.
- Cadwell, Donald H., Editor, 1989, Surficial Geologic Map of New York, Lower Hudson Sheet, New York State Museum – Geological Survey, Map and Chart Series #40.
- Fisher, Donald W., Y.W. Isachsen and L.V. Richard, 1970, Geologic Map of New York, Lower Hudson Sheet, New York State Museum and Science Service, Map - Chart Series #15.

One Deans Bridge Road • Somers, New York 10589

914.276.2560 • FAX 914.276.2664

TABLES

Table 1

416 Waverly Avenue
Mamaroneck, New York

Summary of Laboratory Analytical Results for Soil

Sample ID York ID Sampling Date Client Matrix	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Commercial	GB-1 TW 20G0129-01 7/2/2020 12:00:00 AM Soil		GB-3 TW 20G0129-03 7/2/2020 12:00:00 AM Soil		GB-5 TW 20G0129-05 7/2/2020 12:00:00 AM Soil		GB-6 TW 20G0129-07 7/2/2020 12:00:00 AM Soil		GB-7 TW 20G0129-09 7/2/2020 12:00:00 AM Soil		GB-8 TW 20G0129-11 7/2/2020 12:00:00 AM Soil	
Compound			Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Volatile Organics, CP-51 (formerly STARS) List (mg/kg)														
1,2,4-Trimethylbenzene	3.6	190	0.00520	U	0.00300	U	0.00240	U	0.00290	U	0.00250	U	0.00280	U
1,3,5-Trimethylbenzene	8.4	190	0.00520	U	0.00300	U	0.00240	U	0.00290	U	0.00250	U	0.00280	U
Benzene	0.06	44	0.00520	U	0.00300	U	0.00240	U	0.00290	U	0.00250	U	0.00280	U
Ethyl Benzene	1	390	0.00520	U	0.00300	U	0.00240	U	0.00290	U	0.00250	U	0.00280	U
Isopropylbenzene	~	~	0.00520	U	0.00300	U	0.00240	U	0.00290	U	0.00250	U	0.00280	U
Methyl tert-butyl ether (MTBE)	0.93	500	0.00520	U	0.00300	U	0.00240	U	0.00290	U	0.00250	U	0.00280	U
Naphthalene	12	500	0.00520	U	0.00300	U	0.00240	U	0.00290	U	0.00250	U	0.00280	U
n-Butylbenzene	12	500	0.00520	U	0.00300	U	0.00240	U	0.00290	U	0.00250	U	0.00280	U
n-Propylbenzene	3.9	500	0.00520	U	0.00300	U	0.00240	U	0.00290	U	0.00250	U	0.00280	U
o-Xylene	~	~	0.00520	U	0.00300	U	0.00240	U	0.00290	U	0.00250	U	0.00280	U
p- & m- Xylenes	~	~	0.00520	U	0.00300	U	0.00240	U	0.00290	U	0.00250	U	0.00280	U
p-Isopropyltoluene	~	~	0.00520	U	0.00300	U	0.00240	U	0.00290	U	0.00250	U	0.00280	U
sec-Butylbenzene	11	500	0.00520	U	0.00300	U	0.00240	U	0.00290	U	0.00250	U	0.00280	U
tert-Butylbenzene	5.9	500	0.00520	U	0.00300	U	0.00240	U	0.00290	U	0.00250	U	0.00280	U
Toluene	0.7	500	0.00520	U	0.00300	U	0.00240	U	0.00290	U	0.00250	U	0.00280	U
Xylenes, Total	0.26	500	0.00520	U	0.00300	U	0.00240	U	0.00290	U	0.00250	U	0.00280	U
Semi-Volatiles, CP-51 (formerly STARS) List (mg/kg)														
Acenaphthene	20	500	0.320	U	0.0600	U	0.0470	U	0.0500	U	0.0430	U	0.0470	U
Acenaphthylene	100	500	0.330	JD	0.0600	U	0.0470	U	0.0500	U	0.0430	U	0.0470	U
Anthracene	100	500	0.320	U	0.0600	U	0.0470	U	0.0500	U	0.0430	U	0.0470	U
Benzo(a)anthracene	1	5.6	0.710	D	0.0600	U	0.0470	U	0.0500	U	0.0430	U	0.0470	U
Benzo(a)pyrene	1	1	0.820	D	0.0600	U	0.0470	U	0.0500	U	0.0430	U	0.0470	U
Benzo(b)fluoranthene	1	5.6	0.850	D	0.0600	U	0.0470	U	0.0500	U	0.0430	U	0.0470	U
Benzo(g,h,i)perylene	100	500	0.460	JD	0.0600	U	0.0470	U	0.0500	U	0.0430	U	0.0470	U
Benzo(k)fluoranthene	0.8	56	0.600	JD	0.0600	U	0.0470	U	0.0500	U	0.0430	U	0.0470	U
Chrysene	1	56	0.630	JD	0.0600	U	0.0470	U	0.0500	U	0.0430	U	0.0470	U
Dibenzo(a,h)anthracene	0.33	0.56	0.320	U	0.0600	U	0.0470	U	0.0500	U	0.0430	U	0.0470	U
Fluoranthene	100	500	0.900	D	0.0600	U	0.0470	U	0.0500	U	0.0430	U	0.0470	U
Fluorene	30	500	0.320	U	0.0600	U	0.0470	U	0.0500	U	0.0430	U	0.0470	U
Indeno(1,2,3-cd)pyrene	0.5	5.6	0.720	D	0.0600	U	0.0470	U	0.0500	U	0.0430	U	0.0470	U
Naphthalene	12	500	0.320	U	0.0600	U	0.0470	U	0.0500	U	0.0430	U	0.0470	U
Phenanthrene	100	500	0.320	U	0.0600	U	0.0470	U	0.0500	U	0.0430	U	0.0470	U
Pyrene	100	500	0.980	D	0.0600	U	0.0470	U	0.0500	U	0.0430	U	0.0470	U
Metals, Target Analyte (mg/kg)														
Aluminum	~	~	31,900		NT		NT		4,680		5,400		5,810	
Antimony	~	~	3.860	U	NT		NT		3.010	U	2.590	U	2.840	U
Arsenic	13	16	2.540		NT		NT		1.810	U	1.550	U	1.700	U
Barium	350	400	130		NT		NT		29.800		95.800		34.700	
Beryllium	7.2	590	0.0770	U	NT		NT		0.0600	U	0.0520	U	0.0570	U
Cadmium	2.5	9.3	0.464	U	NT		NT		0.362	U	0.310	U	0.341	U
Calcium	~	~	13,100		NT		NT		845		659		858	
Chromium	~	~	37.400		NT		NT		8.620		10.200		9.580	

Table 1

416 Waverly Avenue
Mamaroneck, New York

Summary of Laboratory Analytical Results for Soil

Sample ID York ID Sampling Date Client Matrix	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Commercial	GB-1 TW 20G0129-01 7/2/2020 12:00:00 AM Soil		GB-3 TW 20G0129-03 7/2/2020 12:00:00 AM Soil		GB-5 TW 20G0129-05 7/2/2020 12:00:00 AM Soil		GB-6 TW 20G0129-07 7/2/2020 12:00:00 AM Soil		GB-7 TW 20G0129-09 7/2/2020 12:00:00 AM Soil		GB-8 TW 20G0129-11 7/2/2020 12:00:00 AM Soil	
Compound			Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Cobalt	~	~	16.300		NT		NT		5.370		26.600		6.090	
Copper	50	270	30.100		NT		NT		8.460		12		11.600	
Iron	~	~	29,300		NT		NT		8,860		9,160		10,200	
Lead	63	1000	33.600		NT		NT		2.710		3.580		3.290	
Magnesium	~	~	10,700		NT		NT		1,660		1,900		1,940	
Manganese	1600	10000	294		NT		NT		328		640		541	
Nickel	30	310	29		NT		NT		7.090		10.600		10.500	
Potassium	~	~	1,680		NT		NT		1,060		1,320		1,340	
Selenium	3.9	1500	3.860	U	NT		NT		3.010	U	2.590	U	2.840	U
Silver	2	1500	0.773	U	NT		NT		0.603	U	0.517	U	0.568	U
Sodium	~	~	341		NT		NT		109		51.700	U	95.200	
Thallium	~	~	3.860	U	NT		NT		3.010	U	2.590	U	2.840	U
Vanadium	~	~	54.500		NT		NT		10.100		12.900		12.100	
Zinc	109	10000	74.200		NT		NT		21.400		19.300		16.400	
Mercury by 7473 (mg/kg)														
Mercury	0.18	2.8	0.401		NT		NT		0.0362	U	0.0310	U	0.0341	U
Total Solids			%		%		%		%		%		%	
Dilution Factor			1		1		1		1		1		1	
% Solids	~	~	64.700		69.400		87.700		82.900		96.700		88	
Polychlorinated Biphenyls (PCB) (mg/kg)														
Aroclor 1016	~	~	0.0255	U	NT		NT		0.0198	U	0.0172	U	0.0187	U
Aroclor 1221	~	~	0.0255	U	NT		NT		0.0198	U	0.0172	U	0.0187	U
Aroclor 1232	~	~	0.0255	U	NT		NT		0.0198	U	0.0172	U	0.0187	U
Aroclor 1242	~	~	0.0255	U	NT		NT		0.0198	U	0.0172	U	0.0187	U
Aroclor 1248	~	~	0.0255	U	NT		NT		0.0198	U	0.0172	U	0.0187	U
Aroclor 1254	~	~	0.0255	U	NT		NT		0.0198	U	0.0172	U	0.0187	U
Aroclor 1260	~	~	0.0255	U	NT		NT		0.0198	U	0.0172	U	0.0187	U
Total PCBs	0.1	1	0.0255	U	NT		NT		0.0198	U	0.0172	U	0.0187	U

NOTES:
Any Regulatory Exceedences are color coded by Regulation

Q is the Qualifier Column with definitions as follows:
D=result is from an analysis that required a dilution
J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
U=analyte not detected at or above the level indicated
B=analyte found in the analysis batch blank

EXCEEDS NYSDEC STANDARDS

Table 2

416 Waverly Avenue
Mamaroneck, New York

Summary of Laboratory Analytical Results for Groundwater

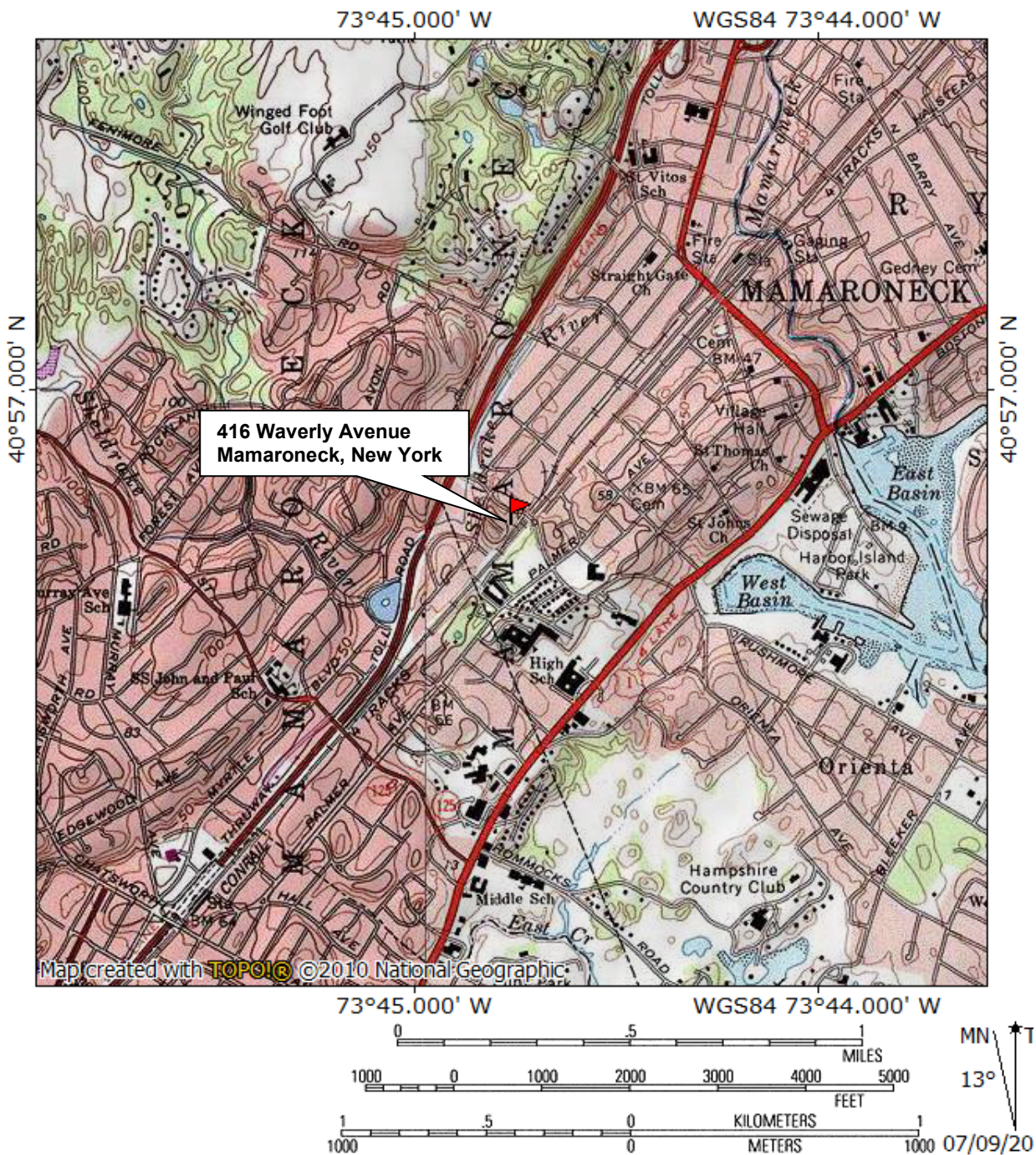
Sample ID York ID Sampling Date Client Matrix	NYSDEC TOGS Standards and Guidance Values - GA	GB-1 TW 20G0129-02 7/2/2020 Water		GB-3 TW 20G0129-04 7/2/2020 Water		GB-5 TW 20G0129-06 7/2/2020 Water		GB-6 TW 20G0129-08 7/2/2020 Water		GB-7 TW 20G0129-10 7/2/2020 Water		GB-8 TW 20G0129-12 7/2/2020 Water	
Compound		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Volatile Organics, CP-51 (STARS) Low level (ug/L)													
1,2,4-Trimethylbenzene	5	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
1,3,5-Trimethylbenzene	5	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
Benzene	1	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
Ethyl Benzene	5	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
Isopropylbenzene	5	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
Methyl tert-butyl ether (MTBE)	10	0.200	U	0.320	J	0.200	U	0.200	U	0.200	U	0.200	U
Naphthalene	10	1	U	1	U	1	U	1	U	1	U	1	U
n-Butylbenzene	5	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
n-Propylbenzene	5	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.310	J
o-Xylene	5	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
p- & m- Xylenes	5	0.500	U	0.500	U	0.500	U	0.500	U	0.500	U	0.500	U
p-Isopropyltoluene	5	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
sec-Butylbenzene	5	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
tert-Butylbenzene	5	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
Toluene	5	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
Xylenes, Total	5	0.600	U	0.600	U	0.600	U	0.600	U	0.600	U	0.600	U
Semi-Volatiles, CP-51 (formerly STARS)-Low Level (ug/L)													
Acenaphthene	20	0.385		0.0645	U	0.0588	U	0.0571	U	0.0500	U	0.0500	U
Acenaphthylene	~	0.815		0.0645	U	0.0588	U	0.0571	U	0.0500	U	0.0500	U
Anthracene	50	0.677		0.0645	U	0.0588	U	0.0571	U	0.0500	U	0.0500	U
Benzo(a)anthracene	0.002	1.370		0.0645	U	0.0588	U	0.0571	U	0.0500	U	0.0500	U
Benzo(a)pyrene	0.002	2.140		0.0645	U	0.0588	J	0.0571	U	0.0500	U	0.0500	U
Benzo(b)fluoranthene	0.002	1.980		0.0645	U	0.0588	J	0.0571	U	0.0500	U	0.0500	U
Benzo(g,h,i)perylene	~	0.785		0.0645	U	0.0588	U	0.0571	U	0.0500	U	0.0500	U
Benzo(k)fluoranthene	0.002	1.490		0.0645	U	0.0588	U	0.0571	U	0.0500	U	0.0500	U
Chrysene	0.002	0.969		0.0645	U	0.0588	U	0.0571	U	0.0500	U	0.0500	U
Dibenzo(a,h)anthracene	~	0.354		0.0645	U	0.0588	U	0.0571	U	0.0500	U	0.0500	U
Fluoranthene	50	2.140		0.0645	U	0.0588	J	0.0571	U	0.0500	U	0.0500	U
Fluorene	50	0.754		0.0645	U	0.0588	U	0.0571	U	0.0500	U	0.0500	U
Indeno(1,2,3-cd)pyrene	0.002	0.954		0.0645	U	0.0588	U	0.0571	U	0.0500	U	0.0500	U
Naphthalene	10	0.308		0.0645	U	0.0588	U	0.0571	U	0.0500	U	0.0500	U
Phenanthrene	50	0.415		0.0645	U	0.0588	U	0.0571	U	0.0700		0.0500	U
Pyrene	50	1.680		0.0645	U	0.0588	U	0.0571	U	0.0500	U	0.0500	U

EXCEEDS NYSDEC STANDARDS

Q is the Qualifier Column with definitions as follows:
D=result is from an analysis that required a dilution
J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
U=analyte not detected at or above the level indicated

FIGURES

Figure 1
Site Location Map





LEGEND

-  Boring Location:
Ground boring installed
to collect soil for PID
field screening
-  Boring and temporary Well
Location: Ground boring
installed to collect soil
for PID field screening.
Temporary well installed
to collect groundwater for
laboratory analysis

SITE BOUNDARY

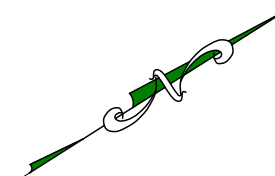


FIGURE 2

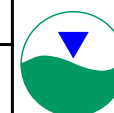
416 WAVERLY AVENUE
MAMARONECK, NEW YORK

GENERALIZED
SITE PLAN

NOT TO SCALE

JULY 2020

PHASE II ESA



HydroEnvironmental
SOLUTIONS, INC.
One Deans Bridge Road
Somers, New York 10589

FIGURE 3 – PHOTO LOG

**416 WAVERLY AVENUE
MAMARONECK, NEW YORK**



Photograph of borehole GB-2 being installed



Photograph of borehole/temporary well GB-7 TW being installed

Photographs taken during Phase II ESA activities on July 2, 2020
HydroEnvironmental Solutions, Inc., One Deans Bridge Road, Somers, New York 10589

FIGURE 3 – PHOTO LOG

**416 WAVERLY AVENUE
MAMARONECK, NEW YORK**



Photograph of borehole GB-9 being installed

APPENDICES

APPENDIX 1:

**HydroEnvironmental Solutions, Inc.
Phase 1 ESA Report**

APPENDIX 2:
Geologic Logs

PAGE 1 OF 1 PAGES

DURATION: — **YIELD:** —

ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelby tube
REC = Recovery PPM = parts per million ftbg = feet below grade MC = macro core sampler

[illegible]

PAGE 1 OF 1 PAGES

DURATION: — **YIELD:** —

ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelby tube
REC = Recovery PPM = parts per million ftbg = feet below grade MC = macro core sampler

[illegible]



HydroEnvironmental
SOLUTIONS, INC.

[illegible]

[illegible]



HydroEnvironmental
SOLUTIONS, INC.

PAGE 1 OF 1 PAGES

ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelby tube
REC = Recovery PPM = parts per million ftbg = feet below grade MC = macro core sampler

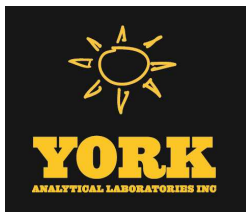
DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	PID READING (PPM)	DESCRIPTION
FROM	TO					
0	4	MC	-	3'	0.4	(0 – 0.5') FILL (GRAVEL, CRUSHED STONE); black; moist; no hydrocarbon odor
						(0.5 – 4') SAND (fine), and SILT, trace CLAY; brown; moist; no hydrocarbon odor
4	8	MC	-	4'	0.4	SAND (fine to medium) and SILT; brown; moist-wet; no hydrocarbon odor
8	12	MC	-	4'	0.3	SAND (very fine to medium) and SILT; brown; wet; no hydrocarbon odor

[illegible]

[illegible]

APPENDIX 3:

Soil and Groundwater Laboratory Analytical Report



Technical Report

prepared for:

Hydro Environmental Solutions

One Deans Bridge Road

Somers NY, 10589

Attention: Bill Canavan

Report Date: 07/10/2020

Client Project ID: 416 Waverly Avenue Mamaroneck, New York

York Project (SDG) No.: 20G0129

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE
www.YORKLAB.com

STRATFORD, CT 06615
(203) 325-1371



132-02 89th AVENUE
FAX (203) 357-0166

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Hydro Environmental Solutions

One Deans Bridge Road
Somers NY, 10589
Attention: Bill Canavan

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on July 06, 2020 and listed below. The project was identified as your project: **416 Waverly Avenue Mamaroneck, New York.**

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
20G0129-01	GB-1 TW	Soil	07/02/2020	07/06/2020
20G0129-02	GB-1 TW	Water	07/02/2020	07/06/2020
20G0129-03	GB-3 TW	Soil	07/02/2020	07/06/2020
20G0129-04	GB-3 TW	Water	07/02/2020	07/06/2020
20G0129-05	GB-5 TW	Soil	07/02/2020	07/06/2020
20G0129-06	GB-5 TW	Water	07/02/2020	07/06/2020
20G0129-07	GB-6 TW	Soil	07/02/2020	07/06/2020
20G0129-08	GB-6 TW	Water	07/02/2020	07/06/2020
20G0129-09	GB-7 TW	Soil	07/02/2020	07/06/2020
20G0129-10	GB-7 TW	Water	07/02/2020	07/06/2020
20G0129-11	GB-8 TW	Soil	07/02/2020	07/06/2020
20G0129-12	GB-8 TW	Water	07/02/2020	07/06/2020

General Notes for York Project (SDG) No.: 20G0129

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

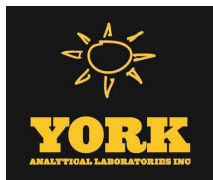
Approved By:



Benjamin Gulizia
Laboratory Director

Date: 07/10/2020





Sample Information

Client Sample ID: GB-1 TW

York Sample ID: 20G0129-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0129

416 Waverly Avenue Mamaroneck, New York

Soil

July 2, 2020 12:00 am

07/06/2020

Volatile Organics, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	5.2	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/07/2020 09:30	07/07/2020 14:24	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	5.2	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/07/2020 09:30	07/07/2020 14:24	SS
71-43-2	Benzene	ND		ug/kg dry	5.2	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/07/2020 09:30	07/07/2020 14:24	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	5.2	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/07/2020 09:30	07/07/2020 14:24	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	5.2	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/07/2020 09:30	07/07/2020 14:24	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	5.2	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/07/2020 09:30	07/07/2020 14:24	SS
91-20-3	Naphthalene	ND		ug/kg dry	5.2	21	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/07/2020 09:30	07/07/2020 14:24	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	5.2	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/07/2020 09:30	07/07/2020 14:24	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	5.2	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/07/2020 09:30	07/07/2020 14:24	SS
95-47-6	o-Xylene	ND		ug/kg dry	5.2	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/07/2020 09:30	07/07/2020 14:24	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.2	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/07/2020 09:30	07/07/2020 14:24	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	5.2	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/07/2020 09:30	07/07/2020 14:24	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	5.2	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/07/2020 09:30	07/07/2020 14:24	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	5.2	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/07/2020 09:30	07/07/2020 14:24	SS
108-88-3	Toluene	ND		ug/kg dry	5.2	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/07/2020 09:30	07/07/2020 14:24	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	5.2	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	07/07/2020 09:30	07/07/2020 14:24	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	99.6 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	99.6 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	104 %	76-130								

Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
---------	-----------	--------	------	-------	------------------------	-----	----------	------------------	-----------------------	-----------------------	---------



Sample Information

Client Sample ID: GB-1 TW

York Sample ID: 20G0129-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0129

416 Waverly Avenue Mamaroneck, New York

Soil

July 2, 2020 12:00 am

07/06/2020

Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	320	640	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 19:05	KH
208-96-8	Acenaphthylene	330	J	ug/kg dry	320	640	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 19:05	KH
120-12-7	Anthracene	ND		ug/kg dry	320	640	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 19:05	KH
56-55-3	Benzo(a)anthracene	710		ug/kg dry	320	640	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 19:05	KH
50-32-8	Benzo(a)pyrene	820		ug/kg dry	320	640	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 19:05	KH
205-99-2	Benzo(b)fluoranthene	850		ug/kg dry	320	640	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 19:05	KH
191-24-2	Benzo(g,h,i)perylene	460	J	ug/kg dry	320	640	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 19:05	KH
207-08-9	Benzo(k)fluoranthene	600	J	ug/kg dry	320	640	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 19:05	KH
218-01-9	Chrysene	630	J	ug/kg dry	320	640	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 19:05	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	320	640	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 19:05	KH
206-44-0	Fluoranthene	900		ug/kg dry	320	640	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 19:05	KH
86-73-7	Fluorene	ND		ug/kg dry	320	640	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 19:05	KH
193-39-5	Indeno(1,2,3-cd)pyrene	720		ug/kg dry	320	640	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 19:05	KH
91-20-3	Naphthalene	ND		ug/kg dry	320	640	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 19:05	KH
85-01-8	Phenanthrene	ND		ug/kg dry	320	640	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 19:05	KH
129-00-0	Pyrene	980		ug/kg dry	320	640	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 19:05	KH
Surrogate Recoveries		Result	Acceptance Range								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	33.6 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	26.8 %	21-113								
1718-51-0	Surrogate: SURR: Terphenyl-d14	30.8 %	24-116								

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
---------	-----------	--------	------	-------	--------------------	----------	------------------	-----------------------	-----------------------	---------



Sample Information

Client Sample ID: GB-1 TW

York Sample ID: 20G0129-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0129

416 Waverly Avenue Mamaroneck, New York

Soil

July 2, 2020 12:00 am

07/06/2020

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0255	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/08/2020 07:53	07/09/2020 15:50	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0255	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/08/2020 07:53	07/09/2020 15:50	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0255	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/08/2020 07:53	07/09/2020 15:50	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0255	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/08/2020 07:53	07/09/2020 15:50	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0255	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/08/2020 07:53	07/09/2020 15:50	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0255	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/08/2020 07:53	07/09/2020 15:50	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0255	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/08/2020 07:53	07/09/2020 15:50	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0255	1	EPA 8082A Certifications:	07/08/2020 07:53	07/09/2020 15:50	BJ
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	37.5 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	48.0 %	30-140							

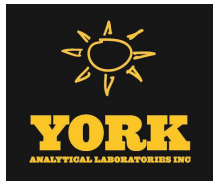
Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	31900		mg/kg dry	7.73	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2020 09:01	07/08/2020 13:36	KML
7440-36-0	Antimony	ND		mg/kg dry	3.86	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2020 09:01	07/08/2020 13:36	KML
7440-38-2	Arsenic	2.54		mg/kg dry	2.32	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2020 09:01	07/08/2020 13:36	KML
7440-39-3	Barium	130		mg/kg dry	3.86	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2020 09:01	07/08/2020 13:36	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.077	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2020 09:01	07/08/2020 13:36	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.464	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2020 09:01	07/08/2020 13:36	KML
7440-70-2	Calcium	13100		mg/kg dry	7.73	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2020 09:01	07/08/2020 13:36	KML
7440-47-3	Chromium	37.4		mg/kg dry	0.773	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2020 09:01	07/08/2020 13:36	KML
7440-48-4	Cobalt	16.3		mg/kg dry	0.618	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2020 09:01	07/08/2020 13:36	KML



Sample Information

Client Sample ID: GB-1 TW

York Sample ID: 20G0129-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0129

416 Waverly Avenue Mamaroneck, New York

Soil

July 2, 2020 12:00 am

07/06/2020

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	30.1		mg/kg dry	3.09	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2020 09:01	07/08/2020 13:36	KML
7439-89-6	Iron	29300		mg/kg dry	38.6	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2020 09:01	07/08/2020 13:36	KML
7439-92-1	Lead	33.6		mg/kg dry	0.773	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2020 09:01	07/08/2020 13:36	KML
7439-95-4	Magnesium	10700		mg/kg dry	7.73	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2020 09:01	07/08/2020 13:36	KML
7439-96-5	Manganese	294		mg/kg dry	0.773	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2020 09:01	07/08/2020 13:36	KML
7440-02-0	Nickel	29.0		mg/kg dry	1.55	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2020 09:01	07/08/2020 13:36	KML
7440-09-7	Potassium	1680		mg/kg dry	7.73	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2020 09:01	07/08/2020 13:36	KML
7782-49-2	Selenium	ND		mg/kg dry	3.86	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2020 09:01	07/08/2020 13:36	KML
7440-22-4	Silver	ND		mg/kg dry	0.773	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2020 09:01	07/08/2020 13:36	KML
7440-23-5	Sodium	341		mg/kg dry	77.3	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2020 09:01	07/08/2020 13:36	KML
7440-28-0	Thallium	ND		mg/kg dry	3.86	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2020 09:01	07/08/2020 13:36	KML
7440-62-2	Vanadium	54.5		mg/kg dry	1.55	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2020 09:01	07/08/2020 13:36	KML
7440-66-6	Zinc	74.2		mg/kg dry	3.86	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2020 09:01	07/08/2020 13:36	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.401		mg/kg dry	0.0464	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	07/07/2020 09:04	07/07/2020 12:48	SY

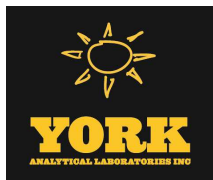
Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	64.7		%	0.100	1	SM 2540G Certifications: CTDOH	07/07/2020 08:05	07/07/2020 16:08	WJM



Sample Information

Client Sample ID: GB-1 TW

York Sample ID: 20G0129-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0129

416 Waverly Avenue Mamaroneck, New York

Water

July 2, 2020 12:00 am

07/06/2020

Volatile Organics, CP-51 (STARS) Low level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/08/2020 12:30	07/08/2020 21:30	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/08/2020 12:30	07/08/2020 21:30	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/08/2020 12:30	07/08/2020 21:30	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/08/2020 12:30	07/08/2020 21:30	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/08/2020 12:30	07/08/2020 21:30	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/08/2020 12:30	07/08/2020 21:30	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/08/2020 12:30	07/08/2020 21:30	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/08/2020 12:30	07/08/2020 21:30	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/08/2020 12:30	07/08/2020 21:30	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	07/08/2020 12:30	07/08/2020 21:30	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	07/08/2020 12:30	07/08/2020 21:30	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/08/2020 12:30	07/08/2020 21:30	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/08/2020 12:30	07/08/2020 21:30	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/08/2020 12:30	07/08/2020 21:30	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/08/2020 12:30	07/08/2020 21:30	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	07/08/2020 12:30	07/08/2020 21:30	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	180 %	S-HI		69-130						
2037-26-5	Surrogate: SURR: Toluene-d8	88.2 %			81-117						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	97.9 %			79-122						

Semi-Volatiles, CP-51 (formerly STARS)-Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
---------	-----------	--------	------	-------	------------------------	-----	----------	------------------	-----------------------	-----------------------	---------



Sample Information

Client Sample ID: GB-1 TW

York Sample ID: 20G0129-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0129

416 Waverly Avenue Mamaroneck, New York

Water

July 2, 2020 12:00 am

07/06/2020

Semi-Volatiles, CP-51 (formerly STARS)-Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	0.385		ug/L	0.0769	0.0769	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/08/2020 14:44	07/09/2020 16:40	OW
208-96-8	Acenaphthylene	0.815		ug/L	0.0769	0.0769	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/08/2020 14:44	07/09/2020 16:40	OW
120-12-7	Anthracene	0.677		ug/L	0.0769	0.0769	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/08/2020 14:44	07/09/2020 16:40	OW
56-55-3	Benzo(a)anthracene	1.37		ug/L	0.0769	0.0769	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/08/2020 14:44	07/09/2020 16:40	OW
50-32-8	Benzo(a)pyrene	2.14		ug/L	0.0769	0.0769	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/08/2020 14:44	07/09/2020 16:40	OW
205-99-2	Benzo(b)fluoranthene	1.98		ug/L	0.0769	0.0769	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/08/2020 14:44	07/09/2020 16:40	OW
191-24-2	Benzo(g,h,i)perylene	0.785		ug/L	0.0769	0.0769	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/08/2020 14:44	07/09/2020 16:40	OW
207-08-9	Benzo(k)fluoranthene	1.49		ug/L	0.0769	0.0769	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/08/2020 14:44	07/09/2020 16:40	OW
218-01-9	Chrysene	0.969		ug/L	0.0769	0.0769	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/08/2020 14:44	07/09/2020 16:40	OW
53-70-3	Dibenzo(a,h)anthracene	0.354		ug/L	0.0769	0.0769	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/08/2020 14:44	07/09/2020 16:40	OW
206-44-0	Fluoranthene	2.14		ug/L	0.0769	0.0769	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/08/2020 14:44	07/09/2020 16:40	OW
86-73-7	Fluorene	0.754		ug/L	0.0769	0.0769	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/08/2020 14:44	07/09/2020 16:40	OW
193-39-5	Indeno(1,2,3-cd)pyrene	0.954		ug/L	0.0769	0.0769	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/08/2020 14:44	07/09/2020 16:40	OW
91-20-3	Naphthalene	0.308		ug/L	0.0769	0.0769	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/08/2020 14:44	07/09/2020 16:40	OW
85-01-8	Phenanthrene	0.415		ug/L	0.0769	0.0769	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/08/2020 14:44	07/09/2020 16:40	OW
129-00-0	Pyrene	1.68		ug/L	0.0769	0.0769	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/08/2020 14:44	07/09/2020 16:40	OW
Surrogate Recoveries		Result	Acceptance Range								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	73.8 %	50.2-113								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	68.8 %	39.9-105								
1718-51-0	Surrogate: SURR: Terphenyl-d14	93.5 %	30.7-106								



Sample Information

Client Sample ID: GB-3 TW

York Sample ID: 20G0129-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0129

416 Waverly Avenue Mamaroneck, New York

Soil

July 2, 2020 12:00 am

07/06/2020

Volatile Organics, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	3.0	6.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/07/2020 09:30	07/07/2020 14:49	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	3.0	6.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/07/2020 09:30	07/07/2020 14:49	SS
71-43-2	Benzene	ND		ug/kg dry	3.0	6.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/07/2020 09:30	07/07/2020 14:49	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	3.0	6.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/07/2020 09:30	07/07/2020 14:49	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	3.0	6.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/07/2020 09:30	07/07/2020 14:49	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	3.0	6.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/07/2020 09:30	07/07/2020 14:49	SS
91-20-3	Naphthalene	ND		ug/kg dry	3.0	12	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/07/2020 09:30	07/07/2020 14:49	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	3.0	6.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/07/2020 09:30	07/07/2020 14:49	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	3.0	6.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/07/2020 09:30	07/07/2020 14:49	SS
95-47-6	o-Xylene	ND		ug/kg dry	3.0	6.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	07/07/2020 09:30	07/07/2020 14:49	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	3.0	6.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	07/07/2020 09:30	07/07/2020 14:49	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	3.0	6.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/07/2020 09:30	07/07/2020 14:49	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	3.0	6.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/07/2020 09:30	07/07/2020 14:49	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	3.0	6.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/07/2020 09:30	07/07/2020 14:49	SS
108-88-3	Toluene	ND		ug/kg dry	3.0	6.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/07/2020 09:30	07/07/2020 14:49	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	3.0	6.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	07/07/2020 09:30	07/07/2020 14:49	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	102 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	98.3 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	109 %			76-130						

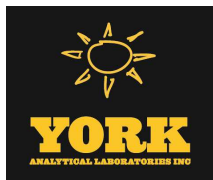
Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	60	120	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 19:36	KH



Sample Information

Client Sample ID: GB-3 TW

York Sample ID: 20G0129-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0129

416 Waverly Avenue Mamaroneck, New York

Soil

July 2, 2020 12:00 am

07/06/2020

Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
208-96-8	Acenaphthylene	ND		ug/kg dry	60	120	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 19:36	KH
120-12-7	Anthracene	ND		ug/kg dry	60	120	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 19:36	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	60	120	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 19:36	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	60	120	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 19:36	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	60	120	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 19:36	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	60	120	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 19:36	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	60	120	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 19:36	KH
218-01-9	Chrysene	ND		ug/kg dry	60	120	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 19:36	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	60	120	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 19:36	KH
206-44-0	Fluoranthene	ND		ug/kg dry	60	120	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 19:36	KH
86-73-7	Fluorene	ND		ug/kg dry	60	120	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 19:36	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	60	120	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 19:36	KH
91-20-3	Naphthalene	ND		ug/kg dry	60	120	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 19:36	KH
85-01-8	Phenanthrene	ND		ug/kg dry	60	120	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 19:36	KH
129-00-0	Pyrene	ND		ug/kg dry	60	120	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 19:36	KH
Surrogate Recoveries		Result	Acceptance Range								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	63.6 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	46.6 %	21-113								
1718-51-0	Surrogate: SURR: Terphenyl-d14	55.7 %	24-116								

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	69.4		%	0.100	1	SM 2540G Certifications: CTDOH	07/07/2020 08:05	07/07/2020 16:08	WJM



Sample Information

Client Sample ID: GB-3 TW

York Sample ID: 20G0129-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0129

416 Waverly Avenue Mamaroneck, New York

Water

July 2, 2020 12:00 am

07/06/2020

Volatile Organics, CP-51 (STARS) Low level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/08/2020 12:30	07/08/2020 21:57	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/08/2020 12:30	07/08/2020 21:57	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/08/2020 12:30	07/08/2020 21:57	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/08/2020 12:30	07/08/2020 21:57	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/08/2020 12:30	07/08/2020 21:57	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	0.32	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/08/2020 12:30	07/08/2020 21:57	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/08/2020 12:30	07/08/2020 21:57	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/08/2020 12:30	07/08/2020 21:57	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/08/2020 12:30	07/08/2020 21:57	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	07/08/2020 12:30	07/08/2020 21:57	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	07/08/2020 12:30	07/08/2020 21:57	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/08/2020 12:30	07/08/2020 21:57	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/08/2020 12:30	07/08/2020 21:57	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/08/2020 12:30	07/08/2020 21:57	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/08/2020 12:30	07/08/2020 21:57	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	07/08/2020 12:30	07/08/2020 21:57	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	98.5 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	98.2 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	113 %	79-122								

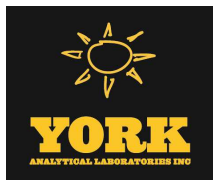
Semi-Volatiles, CP-51 (formerly STARS)-Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
---------	-----------	--------	------	-------	------------------------	-----	----------	------------------	-----------------------	-----------------------	---------



Sample Information

Client Sample ID: GB-3 TW

York Sample ID: 20G0129-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0129

416 Waverly Avenue Mamaroneck, New York

Water

July 2, 2020 12:00 am

07/06/2020

Semi-Volatiles, CP-51 (formerly STARS)-Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0645	0.0645	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/08/2020 14:44	07/09/2020 17:11	OW
208-96-8	Acenaphthylene	ND		ug/L	0.0645	0.0645	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/08/2020 14:44	07/09/2020 17:11	OW
120-12-7	Anthracene	ND		ug/L	0.0645	0.0645	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/08/2020 14:44	07/09/2020 17:11	OW
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0645	0.0645	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/08/2020 14:44	07/09/2020 17:11	OW
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0645	0.0645	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/08/2020 14:44	07/09/2020 17:11	OW
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0645	0.0645	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/08/2020 14:44	07/09/2020 17:11	OW
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0645	0.0645	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/08/2020 14:44	07/09/2020 17:11	OW
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0645	0.0645	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/08/2020 14:44	07/09/2020 17:11	OW
218-01-9	Chrysene	ND		ug/L	0.0645	0.0645	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/08/2020 14:44	07/09/2020 17:11	OW
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0645	0.0645	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/08/2020 14:44	07/09/2020 17:11	OW
206-44-0	Fluoranthene	ND		ug/L	0.0645	0.0645	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/08/2020 14:44	07/09/2020 17:11	OW
86-73-7	Fluorene	ND		ug/L	0.0645	0.0645	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/08/2020 14:44	07/09/2020 17:11	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0645	0.0645	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/08/2020 14:44	07/09/2020 17:11	OW
91-20-3	Naphthalene	ND		ug/L	0.0645	0.0645	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/08/2020 14:44	07/09/2020 17:11	OW
85-01-8	Phenanthrene	ND		ug/L	0.0645	0.0645	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/08/2020 14:44	07/09/2020 17:11	OW
129-00-0	Pyrene	ND		ug/L	0.0645	0.0645	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/08/2020 14:44	07/09/2020 17:11	OW
Surrogate Recoveries		Result	Acceptance Range								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	62.0 %	50.2-113								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	59.0 %	39.9-105								
1718-51-0	Surrogate: SURR: Terphenyl-d14	81.0 %	30.7-106								

Sample Information

Client Sample ID: GB-5 TW

York Sample ID: 20G0129-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0129

416 Waverly Avenue Mamaroneck, New York

Soil

July 2, 2020 12:00 am

07/06/2020



Sample Information

Client Sample ID: GB-5 TW

York Sample ID: 20G0129-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0129

416 Waverly Avenue Mamaroneck, New York

Soil

July 2, 2020 12:00 am

07/06/2020

Volatile Organics, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.4	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/07/2020 09:30	07/07/2020 15:14	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.4	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/07/2020 09:30	07/07/2020 15:14	SS
71-43-2	Benzene	ND		ug/kg dry	2.4	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/07/2020 09:30	07/07/2020 15:14	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.4	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/07/2020 09:30	07/07/2020 15:14	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.4	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/07/2020 09:30	07/07/2020 15:14	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.4	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/07/2020 09:30	07/07/2020 15:14	SS
91-20-3	Naphthalene	ND		ug/kg dry	2.4	9.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/07/2020 09:30	07/07/2020 15:14	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.4	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/07/2020 09:30	07/07/2020 15:14	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.4	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/07/2020 09:30	07/07/2020 15:14	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.4	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	07/07/2020 09:30	07/07/2020 15:14	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	2.4	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	07/07/2020 09:30	07/07/2020 15:14	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.4	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/07/2020 09:30	07/07/2020 15:14	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.4	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/07/2020 09:30	07/07/2020 15:14	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.4	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/07/2020 09:30	07/07/2020 15:14	SS
108-88-3	Toluene	ND		ug/kg dry	2.4	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/07/2020 09:30	07/07/2020 15:14	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	2.4	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	07/07/2020 09:30	07/07/2020 15:14	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	98.1 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	97.4 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	102 %			76-130						

Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	47	94	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 20:07	KH



Sample Information

Client Sample ID: GB-5 TW

York Sample ID: 20G0129-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0129

416 Waverly Avenue Mamaroneck, New York

Soil

July 2, 2020 12:00 am

07/06/2020

Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
208-96-8	Acenaphthylene	ND		ug/kg dry	47	94	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 20:07	KH
120-12-7	Anthracene	ND		ug/kg dry	47	94	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 20:07	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	47	94	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 20:07	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	47	94	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 20:07	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	47	94	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 20:07	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	47	94	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 20:07	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	47	94	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 20:07	KH
218-01-9	Chrysene	ND		ug/kg dry	47	94	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 20:07	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	47	94	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 20:07	KH
206-44-0	Fluoranthene	ND		ug/kg dry	47	94	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 20:07	KH
86-73-7	Fluorene	ND		ug/kg dry	47	94	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 20:07	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	47	94	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 20:07	KH
91-20-3	Naphthalene	ND		ug/kg dry	47	94	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 20:07	KH
85-01-8	Phenanthrene	ND		ug/kg dry	47	94	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 20:07	KH
129-00-0	Pyrene	ND		ug/kg dry	47	94	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 20:07	KH
Surrogate Recoveries		Result	Acceptance Range								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	71.4 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	61.3 %	21-113								
1718-51-0	Surrogate: SURR: Terphenyl-d14	74.4 %	24-116								

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	87.7		%	0.100	1	SM 2540G Certifications: CTDOH	07/07/2020 08:05	07/07/2020 16:08	WJM



Sample Information

Client Sample ID: GB-5 TW

York Sample ID: 20G0129-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0129

416 Waverly Avenue Mamaroneck, New York

Water

July 2, 2020 12:00 am

07/06/2020

Volatile Organics, CP-51 (STARS) Low level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/08/2020 12:30	07/08/2020 22:24	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/08/2020 12:30	07/08/2020 22:24	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/08/2020 12:30	07/08/2020 22:24	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/08/2020 12:30	07/08/2020 22:24	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/08/2020 12:30	07/08/2020 22:24	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/08/2020 12:30	07/08/2020 22:24	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/08/2020 12:30	07/08/2020 22:24	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/08/2020 12:30	07/08/2020 22:24	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/08/2020 12:30	07/08/2020 22:24	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	07/08/2020 12:30	07/08/2020 22:24	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	07/08/2020 12:30	07/08/2020 22:24	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/08/2020 12:30	07/08/2020 22:24	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/08/2020 12:30	07/08/2020 22:24	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/08/2020 12:30	07/08/2020 22:24	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/08/2020 12:30	07/08/2020 22:24	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	07/08/2020 12:30	07/08/2020 22:24	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	111 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	95.8 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	109 %	79-122								

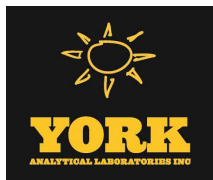
Semi-Volatiles, CP-51 (formerly STARS)-Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0588	0.0588	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/08/2020 14:44	07/09/2020 17:42	OW



Sample Information

Client Sample ID: GB-5 TW

York Sample ID: 20G0129-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0129

416 Waverly Avenue Mamaroneck, New York

Water

July 2, 2020 12:00 am

07/06/2020

Semi-Volatiles, CP-51 (formerly STARS)-Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
208-96-8	Acenaphthylene	ND		ug/L	0.0588	0.0588	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/08/2020 14:44	07/09/2020 17:42	OW
120-12-7	Anthracene	ND		ug/L	0.0588	0.0588	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/08/2020 14:44	07/09/2020 17:42	OW
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0588	0.0588	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/08/2020 14:44	07/09/2020 17:42	OW
50-32-8	Benzo(a)pyrene	0.0588	J	ug/L	0.0588	0.0588	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/08/2020 14:44	07/09/2020 17:42	OW
205-99-2	Benzo(b)fluoranthene	0.0588	J	ug/L	0.0588	0.0588	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/08/2020 14:44	07/09/2020 17:42	OW
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0588	0.0588	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/08/2020 14:44	07/09/2020 17:42	OW
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0588	0.0588	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/08/2020 14:44	07/09/2020 17:42	OW
218-01-9	Chrysene	ND		ug/L	0.0588	0.0588	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/08/2020 14:44	07/09/2020 17:42	OW
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0588	0.0588	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/08/2020 14:44	07/09/2020 17:42	OW
206-44-0	Fluoranthene	0.0588	J	ug/L	0.0588	0.0588	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/08/2020 14:44	07/09/2020 17:42	OW
86-73-7	Fluorene	ND		ug/L	0.0588	0.0588	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/08/2020 14:44	07/09/2020 17:42	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0588	0.0588	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/08/2020 14:44	07/09/2020 17:42	OW
91-20-3	Naphthalene	ND		ug/L	0.0588	0.0588	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/08/2020 14:44	07/09/2020 17:42	OW
85-01-8	Phenanthrene	ND		ug/L	0.0588	0.0588	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/08/2020 14:44	07/09/2020 17:42	OW
129-00-0	Pyrene	ND		ug/L	0.0588	0.0588	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/08/2020 14:44	07/09/2020 17:42	OW
Surrogate Recoveries		Result	Acceptance Range								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	69.2 %	50.2-113								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	65.6 %	39.9-105								
1718-51-0	Surrogate: SURR: Terphenyl-d14	79.7 %	30.7-106								

Sample Information

Client Sample ID: GB-6 TW

York Sample ID: 20G0129-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0129

416 Waverly Avenue Mamaroneck, New York

Soil

July 2, 2020 12:00 am

07/06/2020



Sample Information

Client Sample ID: GB-6 TW

York Sample ID: 20G0129-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0129

416 Waverly Avenue Mamaroneck, New York

Soil

July 2, 2020 12:00 am

07/06/2020

Volatile Organics, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.9	5.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/07/2020 09:30	07/07/2020 15:39	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.9	5.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/07/2020 09:30	07/07/2020 15:39	SS
71-43-2	Benzene	ND		ug/kg dry	2.9	5.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/07/2020 09:30	07/07/2020 15:39	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.9	5.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/07/2020 09:30	07/07/2020 15:39	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.9	5.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/07/2020 09:30	07/07/2020 15:39	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.9	5.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/07/2020 09:30	07/07/2020 15:39	SS
91-20-3	Naphthalene	ND		ug/kg dry	2.9	12	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/07/2020 09:30	07/07/2020 15:39	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.9	5.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/07/2020 09:30	07/07/2020 15:39	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.9	5.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/07/2020 09:30	07/07/2020 15:39	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.9	5.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/07/2020 09:30	07/07/2020 15:39	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	2.9	5.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/07/2020 09:30	07/07/2020 15:39	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.9	5.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/07/2020 09:30	07/07/2020 15:39	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.9	5.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/07/2020 09:30	07/07/2020 15:39	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.9	5.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/07/2020 09:30	07/07/2020 15:39	SS
108-88-3	Toluene	ND		ug/kg dry	2.9	5.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/07/2020 09:30	07/07/2020 15:39	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	2.9	5.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	07/07/2020 09:30	07/07/2020 15:39	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	98.3 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	98.5 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	104 %	76-130								

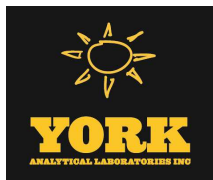
Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	50	100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 20:38	KH



Sample Information

Client Sample ID: GB-6 TW

York Sample ID: 20G0129-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0129

416 Waverly Avenue Mamaroneck, New York

Soil

July 2, 2020 12:00 am

07/06/2020

Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
208-96-8	Acenaphthylene	ND		ug/kg dry	50	100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 20:38	KH
120-12-7	Anthracene	ND		ug/kg dry	50	100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 20:38	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	50	100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 20:38	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	50	100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 20:38	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	50	100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 20:38	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	50	100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 20:38	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	50	100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 20:38	KH
218-01-9	Chrysene	ND		ug/kg dry	50	100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 20:38	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	50	100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 20:38	KH
206-44-0	Fluoranthene	ND		ug/kg dry	50	100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 20:38	KH
86-73-7	Fluorene	ND		ug/kg dry	50	100	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 20:38	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	50	100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 20:38	KH
91-20-3	Naphthalene	ND		ug/kg dry	50	100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 20:38	KH
85-01-8	Phenanthrene	ND		ug/kg dry	50	100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 20:38	KH
129-00-0	Pyrene	ND		ug/kg dry	50	100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 20:38	KH
Surrogate Recoveries		Result	Acceptance Range								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	64.2 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	49.2 %	21-113								
1718-51-0	Surrogate: SURR: Terphenyl-d14	60.0 %	24-116								

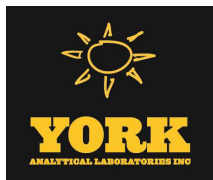
Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/08/2020 07:53	07/09/2020 05:32	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/08/2020 07:53	07/09/2020 05:32	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/08/2020 07:53	07/09/2020 05:32	BJ



Sample Information

Client Sample ID: GB-6 TW

York Sample ID: 20G0129-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0129

416 Waverly Avenue Mamaroneck, New York

Soil

July 2, 2020 12:00 am

07/06/2020

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/08/2020 07:53	07/09/2020 05:32	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/08/2020 07:53	07/09/2020 05:32	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/08/2020 07:53	07/09/2020 05:32	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/08/2020 07:53	07/09/2020 05:32	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications:	07/08/2020 07:53	07/09/2020 05:32	BJ
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	72.5 %		30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	91.5 %		30-140						

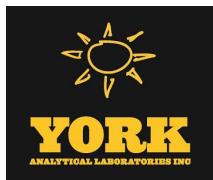
Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	4680		mg/kg dry	6.03	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2020 09:01	07/08/2020 13:38	KML
7440-36-0	Antimony	ND		mg/kg dry	3.01	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2020 09:01	07/08/2020 13:38	KML
7440-38-2	Arsenic	ND		mg/kg dry	1.81	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2020 09:01	07/08/2020 13:38	KML
7440-39-3	Barium	29.8		mg/kg dry	3.01	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2020 09:01	07/08/2020 13:38	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.060	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2020 09:01	07/08/2020 13:38	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.362	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2020 09:01	07/08/2020 13:38	KML
7440-70-2	Calcium	845		mg/kg dry	6.03	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2020 09:01	07/08/2020 13:38	KML
7440-47-3	Chromium	8.62		mg/kg dry	0.603	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2020 09:01	07/08/2020 13:38	KML
7440-48-4	Cobalt	5.37		mg/kg dry	0.482	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2020 09:01	07/08/2020 13:38	KML
7440-50-8	Copper	8.46		mg/kg dry	2.41	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2020 09:01	07/08/2020 13:38	KML
7439-89-6	Iron	8860		mg/kg dry	30.1	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2020 09:01	07/08/2020 13:38	KML
7439-92-1	Lead	2.71		mg/kg dry	0.603	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2020 09:01	07/08/2020 13:38	KML
7439-95-4	Magnesium	1660		mg/kg dry	6.03	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2020 09:01	07/08/2020 13:38	KML



Sample Information

Client Sample ID: GB-6 TW

York Sample ID: 20G0129-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0129

416 Waverly Avenue Mamaroneck, New York

Soil

July 2, 2020 12:00 am

07/06/2020

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	Manganese	328		mg/kg dry	0.603	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2020 09:01	07/08/2020 13:38	KML
7440-02-0	Nickel	7.09		mg/kg dry	1.21	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2020 09:01	07/08/2020 13:38	KML
7440-09-7	Potassium	1060		mg/kg dry	6.03	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2020 09:01	07/08/2020 13:38	KML
7782-49-2	Selenium	ND		mg/kg dry	3.01	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2020 09:01	07/08/2020 13:38	KML
7440-22-4	Silver	ND		mg/kg dry	0.603	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2020 09:01	07/08/2020 13:38	KML
7440-23-5	Sodium	109		mg/kg dry	60.3	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2020 09:01	07/08/2020 13:38	KML
7440-28-0	Thallium	ND		mg/kg dry	3.01	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2020 09:01	07/08/2020 13:38	KML
7440-62-2	Vanadium	10.1		mg/kg dry	1.21	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2020 09:01	07/08/2020 13:38	KML
7440-66-6	Zinc	21.4		mg/kg dry	3.01	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2020 09:01	07/08/2020 13:38	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0362	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	07/07/2020 09:04	07/07/2020 12:57	SY

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	82.9		%	0.100	1	SM 2540G Certifications: CTDOH	07/07/2020 08:05	07/07/2020 16:08	WJM

Sample Information

Client Sample ID: GB-6 TW

York Sample ID: 20G0129-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

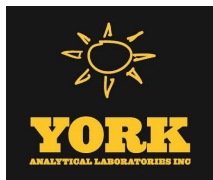
20G0129

416 Waverly Avenue Mamaroneck, New York

Water

July 2, 2020 12:00 am

07/06/2020



Sample Information

Client Sample ID: GB-6 TW

York Sample ID: 20G0129-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0129

416 Waverly Avenue Mamaroneck, New York

Water

July 2, 2020 12:00 am

07/06/2020

Volatile Organics, CP-51 (STARS) Low level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/08/2020 12:30	07/08/2020 22:51	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/08/2020 12:30	07/08/2020 22:51	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/08/2020 12:30	07/08/2020 22:51	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/08/2020 12:30	07/08/2020 22:51	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/08/2020 12:30	07/08/2020 22:51	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/08/2020 12:30	07/08/2020 22:51	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/08/2020 12:30	07/08/2020 22:51	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/08/2020 12:30	07/08/2020 22:51	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/08/2020 12:30	07/08/2020 22:51	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/08/2020 12:30	07/08/2020 22:51	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/08/2020 12:30	07/08/2020 22:51	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/08/2020 12:30	07/08/2020 22:51	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/08/2020 12:30	07/08/2020 22:51	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/08/2020 12:30	07/08/2020 22:51	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/08/2020 12:30	07/08/2020 22:51	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	07/08/2020 12:30	07/08/2020 22:51	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	103 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	96.8 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	110 %	79-122								

Semi-Volatiles, CP-51 (formerly STARS)-Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0571	0.0571	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/08/2020 14:44	07/09/2020 18:13	OW



Sample Information

Client Sample ID: GB-6 TW

York Sample ID: 20G0129-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0129

416 Waverly Avenue Mamaroneck, New York

Water

July 2, 2020 12:00 am

07/06/2020

Semi-Volatiles, CP-51 (formerly STARS)-Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
208-96-8	Acenaphthylene	ND		ug/L	0.0571	0.0571	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/08/2020 14:44	07/09/2020 18:13	OW
120-12-7	Anthracene	ND		ug/L	0.0571	0.0571	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/08/2020 14:44	07/09/2020 18:13	OW
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0571	0.0571	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/08/2020 14:44	07/09/2020 18:13	OW
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0571	0.0571	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/08/2020 14:44	07/09/2020 18:13	OW
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0571	0.0571	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/08/2020 14:44	07/09/2020 18:13	OW
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0571	0.0571	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/08/2020 14:44	07/09/2020 18:13	OW
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0571	0.0571	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/08/2020 14:44	07/09/2020 18:13	OW
218-01-9	Chrysene	ND		ug/L	0.0571	0.0571	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/08/2020 14:44	07/09/2020 18:13	OW
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0571	0.0571	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/08/2020 14:44	07/09/2020 18:13	OW
206-44-0	Fluoranthene	ND		ug/L	0.0571	0.0571	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/08/2020 14:44	07/09/2020 18:13	OW
86-73-7	Fluorene	ND		ug/L	0.0571	0.0571	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/08/2020 14:44	07/09/2020 18:13	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0571	0.0571	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/08/2020 14:44	07/09/2020 18:13	OW
91-20-3	Naphthalene	ND		ug/L	0.0571	0.0571	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/08/2020 14:44	07/09/2020 18:13	OW
85-01-8	Phenanthrene	ND		ug/L	0.0571	0.0571	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/08/2020 14:44	07/09/2020 18:13	OW
129-00-0	Pyrene	ND		ug/L	0.0571	0.0571	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/08/2020 14:44	07/09/2020 18:13	OW
Surrogate Recoveries		Result	Acceptance Range								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	88.3 %	50.2-113								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	74.1 %	39.9-105								
1718-51-0	Surrogate: SURR: Terphenyl-d14	88.2 %	30.7-106								

Sample Information

Client Sample ID: GB-7 TW

York Sample ID: 20G0129-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0129

416 Waverly Avenue Mamaroneck, New York

Soil

July 2, 2020 12:00 am

07/06/2020

Volatile Organics, CP-51 (formerly STARS) List

Log-in Notes:

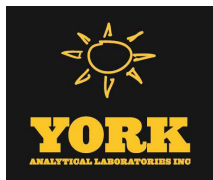
Sample Notes:

120 RESEARCH DRIVE
www.YORKLAB.com

STRATFORD, CT 06615
(203) 325-1371

132-02 89th AVENUE
FAX (203) 357-0166

RICHMOND HILL, NY 11418
ClientServices@



Sample Information

Client Sample ID: GB-7 TW

York Sample ID: 20G0129-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0129

416 Waverly Avenue Mamaroneck, New York

Soil

July 2, 2020 12:00 am

07/06/2020

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/07/2020 09:30	07/07/2020 16:05	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/07/2020 09:30	07/07/2020 16:05	SS
71-43-2	Benzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/07/2020 09:30	07/07/2020 16:05	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/07/2020 09:30	07/07/2020 16:05	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/07/2020 09:30	07/07/2020 16:05	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/07/2020 09:30	07/07/2020 16:05	SS
91-20-3	Naphthalene	ND		ug/kg dry	2.5	10	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/07/2020 09:30	07/07/2020 16:05	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/07/2020 09:30	07/07/2020 16:05	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/07/2020 09:30	07/07/2020 16:05	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/07/2020 09:30	07/07/2020 16:05	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/07/2020 09:30	07/07/2020 16:05	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/07/2020 09:30	07/07/2020 16:05	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/07/2020 09:30	07/07/2020 16:05	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/07/2020 09:30	07/07/2020 16:05	SS
108-88-3	Toluene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/07/2020 09:30	07/07/2020 16:05	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	07/07/2020 09:30	07/07/2020 16:05	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	101 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	98.1 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	102 %	76-130								

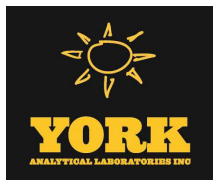
Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	43	85	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 21:09	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	43	85	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 21:09	KH



Sample Information

Client Sample ID: GB-7 TW

York Sample ID: 20G0129-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0129

416 Waverly Avenue Mamaroneck, New York

Soil

July 2, 2020 12:00 am

07/06/2020

Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-12-7	Anthracene	ND		ug/kg dry	43	85	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 21:09	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	43	85	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 21:09	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	43	85	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 21:09	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	43	85	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 21:09	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	43	85	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 21:09	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	43	85	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 21:09	KH
218-01-9	Chrysene	ND		ug/kg dry	43	85	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 21:09	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	43	85	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 21:09	KH
206-44-0	Fluoranthene	ND		ug/kg dry	43	85	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 21:09	KH
86-73-7	Fluorene	ND		ug/kg dry	43	85	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 21:09	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	43	85	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 21:09	KH
91-20-3	Naphthalene	ND		ug/kg dry	43	85	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 21:09	KH
85-01-8	Phenanthrene	ND		ug/kg dry	43	85	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 21:09	KH
129-00-0	Pyrene	ND		ug/kg dry	43	85	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/09/2020 08:41	07/09/2020 21:09	KH
Surrogate Recoveries		Result	Acceptance Range								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	77.4 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	61.7 %	21-113								
1718-51-0	Surrogate: SURR: Terphenyl-d14	71.7 %	24-116								

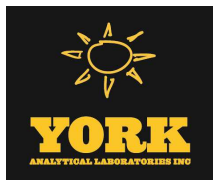
Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0172	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/08/2020 07:53	07/09/2020 05:46	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0172	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/08/2020 07:53	07/09/2020 05:46	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0172	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/08/2020 07:53	07/09/2020 05:46	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0172	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/08/2020 07:53	07/09/2020 05:46	BJ



Sample Information

Client Sample ID: GB-7 TW

York Sample ID: 20G0129-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20G0129

416 Waverly Avenue Mamaroneck, New York

Soil

July 2, 2020 12:00 am

07/06/2020

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0172	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/08/2020 07:53	07/09/2020 05:46	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0172	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/08/2020 07:53	07/09/2020 05:46	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0172	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/08/2020 07:53	07/09/2020 05:46	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0172	1	EPA 8082A Certifications:	07/08/2020 07:53	07/09/2020 05:46	BJ
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	66.5 %		30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	88.0 %		30-140						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	5400		mg/kg dry	5.17	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2020 09:01	07/08/2020 13:41	KML
7440-36-0	Antimony	ND		mg/kg dry	2.59	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2020 09:01	07/08/2020 13:41	KML
7440-38-2	Arsenic	ND		mg/kg dry	1.55	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2020 09:01	07/08/2020 13:41	KML
7440-39-3	Barium	95.8		mg/kg dry	2.59	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2020 09:01	07/08/2020 13:41	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.052	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2020 09:01	07/08/2020 13:41	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.310	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2020 09:01	07/08/2020 13:41	KML
7440-70-2	Calcium	659		mg/kg dry	5.17	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2020 09:01	07/08/2020 13:41	KML
7440-47-3	Chromium	10.2		mg/kg dry	0.517	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2020 09:01	07/08/2020 13:41	KML
7440-48-4	Cobalt	26.6		mg/kg dry	0.414	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2020 09:01	07/08/2020 13:41	KML
7440-50-8	Copper	12.0		mg/kg dry	2.07	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2020 09:01	07/08/2020 13:41	KML
7439-89-6	Iron	9160		mg/kg dry	25.9	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2020 09:01	07/08/2020 13:41	KML
7439-92-1	Lead	3.58		mg/kg dry	0.517	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2020 09:01	07/08/2020 13:41	KML
7439-95-4	Magnesium	1900		mg/kg dry	5.17	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2020 09:01	07/08/2020 13:41	KML
7439-96-5	Manganese	640		mg/kg dry	0.517	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2020 09:01	07/08/2020 13:41	KML