

Appendix J-2 Quarry Information and Analytical Data Reports

- The licensed quarry/mine material placed in the Garfield Avenue Group Sites was certified by Tilcon, the licensed quarry (certification also included in this Appendix), as from a virgin source. Per the 2015 Fill Material Guidance for SRP Sites (NJDEP, 2015), “Whenever licensed quarry/mine material, certified as such by the quarry/mine operator, is delivered to a property undergoing remediation, the investigator may rely on the certification for the purpose of issuing a remedial action outcome (RAO) without sampling the delivered licensed quarry/mine material.”
- One sample was collected from the virgin material (Riverdale Quarry stone fines collected on March 23, 2021). There were no exceedances of the 2021 Soil Remediation Standards for the Ingestion-Dermal Exposure Pathway or Migration to Groundwater Standards.
- One sample was collected from the virgin material (Mt. Hope Quarry stone fines collected on May 12, 2021). There were no exceedances of the 2021 Soil Remediation Standards for the Ingestion-Dermal Exposure Pathway or Migration to Groundwater Standards.
- One sample was collected from the virgin material (Pompton Lakes Quarry stone fines collected on May 12, 2021). There were no exceedances of the 2021 Soil Remediation Standards for the Ingestion-Dermal Exposure Pathway or Migration to Groundwater Standards.



TILCON NEW YORK INC.

PHONE: 973-366-7741 9 ENTIN ROAD, PARSIPPANY, New Jersey 07054

2021 Clean Fill Material Certification- NJ Locations Only

Tilcon NY Inc. New Jersey Division confirms to the best of our knowledge that the aggregates produced at the locations below are virgin stone products, contain no hazards or contamination prior to shipment of materials and conform to section 901 of the *2019 New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction*. The material is identified on the job with Tilcon NJ delivery tickets. The quarries are listed in the Quality List (QPL) of the NJDOT website

<http://www.state.nj.us/transportation/eng/materials/qualified/QPLDB.shtm>

Pompton Lakes Quarry- Granite Gneiss, 84 Borough of Pompton Lakes, Passaic County Blocks No(s) 5105, 5105 - Lot(s) 84, 14.2. Pompton Lakes quarry contains NJDOT approved crushed stone and certified fill products.

Mt. Hope Quarry- Granite Gneiss, 625 Mt Hope Road, Wharton Borough, Morris County NJ, Block No 20001 Lot(s) No(s) 5.01, 5.02, 7; Block No 70001 Lot No 2; Block No 20101 Lot No 6. Mt Hope quarry contains NJDOT approved crushed stone, washed products and certified fill products.

Tilcon NY Inc. has had Pompton Lakes and Mt Hope quarries analyzed under the EPA Target Compound List as required by the LSRP program- *NJDEP Residential Direct Contact Soil Remediation Standards/Clean Fill Criteria*. A copy of the report is available upon request. To the best of our knowledge, the materials produced at the above quarries comply with Section 7 of the Fill Material Guidance for SRP Sites.

Riverdale Quarry- Granite Gneiss, 125 Hamburg Turnpike, Riverdale, Morris County NJ, Block No 9s0 25, 26, 27, 29 Lot No 3. Riverdale Quarry NJDOT approved crushed stone, washed products and certified fill materials.

Oxford Quarry- Granite Gneiss and Limestone, Quarry and Mt Pisgah Avenue, White Township, Warren County Block 32- Lots 15,16 Block 33- Lots 22,23 Block 34 Lots 19,20 Block 25- Lots 3,5,9,90.1 NJDOT approved crushed stone, washed products and certified materials.

Tilcon New York, INC Quality Control 973-659-3790

An Equal Opportunity Employer



State of New Jersey
Department of Labor and Workforce Development

Certificate No. 004851
Expiration Date 3/31/2022

MINE REGISTRATION CERTIFICATE

ISSUED TO: TILCON NEW YORK INC-MT. HOPE QUARRY

LOCATION: 325 MT HOPE ROAD
WHARTON, NJ

BLK NO(S): SEE BELOW
LOT NO(S): SEE BELOW
COUNTY: MORRIS

Issued pursuant to the provisions of N.J.S.A. 34:6-98.1 et. seq. Failure to comply with the provisions of the Act, and the Rules promulgated thereunder, shall be good cause for the revocation of this Certificate.

Robert Asaro-Angelo

Commissioner

THIS CERTIFICATE MUST BE POSTED AT ALL TIMES

<u>BLK NO(S)</u>	<u>LOT NO(S)</u>
20001	5.01, 5.02, 7
70001	2
70101	6



20-21 Wagaraw Road – Bldg. 35E, Fair Lawn, NJ 07410
PH (973) 636-9145 FAX (973) 636-9144
Email: envirovision@optonline.net

This report is the confidential property of the Client, and information contained may not be published or reproduced without our written permission.

Client:	Tilcon New York, Inc.		
Project:	Mount Hope Quarry, Mount Hope, New Jersey		
Subject:	Laboratory Testing of Aggregates for NJDEP SRS		
Job No.:	21-057	Report Number:	21-R-103 Date: 05/26/2021

We present herewith the laboratory test results of one aggregate sample picked up on May 12, 2021. The sample was collected by a representative of Tilcon New York Inc., on May 12, 2021.

As requested, the aggregate sample was analyzed for the U.S. EPA Target Compound List (TCL)+30/Target Analyte List (TAL) parameters, Extractable Petroleum Hydrocarbons (EPH), pH, and Hexavalent Chromium. The analyses were performed by Aqua Pro-Tech Laboratories (APL) (NJDEP Lab ID No. 07010). The copies of the sample chain-of-custody forms from APL and Envirovision, the preliminary APL laboratory summary report and NJDEP-SRS comparison tables are attached.

Review of the laboratory data and comparison of the sample test results to the NJDEP Residential Direct Contact Soil Remediation Standards (RDCSRS) indicated that the aggregate sample **meet** the **NJDEP- RDCSRS**.

If there are any questions or if we can be of further assistance in this matter, please contact us.

Very truly yours,

ENVIROVISION CONSULTANS, INC.

Prakash Khaitan
Vice President

Attachments:

- (1) APL and Enviro Sample Chain-of-Custody Forms, Laboratory Summary Report, and NJDEP-SRS Comparison Tables

E-mailed to: Mr. Steve O'Reilly soreilly@tilconny.com



20-21 Wagaraw Road – Bldg. 35E, Fair Lawn, NJ 07410
PH (973) 636-9145 FAX (973) 636-9144
Email: envirovision@optonline.net

SAMPLE CHAIN OF CUSTODY

CLIENT:	TILCON NY	DATE:	5-12-21
ADDRESS:		JOB NO.	24-057
CONTACT:		TEL. #:	
PROJECT:	Mt. Hope, NJ	PROJECT LAB ID #:	21080

SAMPLE NUMBER	SAMPLING DATE	SAMPLING TIME	SAMPLE TYPE	NO. OF BOTTLES	ANALYSES REQUESTED
21080	5-12-21	10:15	GRAB	3	NY/NJ Clean Fill

Comments:

PRESERVATIVE	
Cooled at 4°C?	✓
HCl	
HNO ₃	
H ₂ SO ₄	
NaOH	
Na ₂ S ₂ O ₃	
Other	

pH Meter No.:	Reading	T°C	Time	Analyst
pH				
pH Dup.				

Sampled By: Steve O'Reilly

RELINQUISHED BY:

RECEIVED BY:

DATE AND TIME:

Don

LHC

5-12-21 10:25 AM

Work Order 1050568		Lab: Aqua Pro-Tech Laboratories		Client: EnviroVision Consultants, Inc. - Mt. Hope, NJ		NUDEP Soil Remediation Standards 2017				1050568-01			
		Lab ID:		Client ID:		NUDEP		NUDEP		21L080			
		Date Sampled:		Date Collected:		NUDEP		NUDEP		05/12/2021 10:15			
		Matrix:		Standard		NUDEP		NUDEP		Aggregate			
				Standard		NUDEP		NUDEP					
				Standard		NUDEP		NUDEP					
				Standard		NUDEP		NUDEP					
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				Standard									

Work Order 1050568
Lab: Aqua Pro-Tech Laboratories
Client: EnviroVision Consultants, Inc. - Mt. Hope, NJ

Lab ID:
Client ID:
Date Sampled:
Matrix:

1050568-01
21L080
05/12/2021 10:15
Aggregate

CAS#	Compound	Type	NUDEP Soil Remediation Standards 2017				Impact To Ground Water Standard	NUDEP	Soil Remediation Lower of RDC, NRDC, IGW
			Residential Direct Contact Standard	Non-Residential Direct Contact Standard	NUDEP	NUDEP			
			9/2017	9/2017	11/2013				
			3400	37000	110	110			
83-32-9	Acenaphthene	TRG	NA	300000	NA	300000			
208-96-8	Acenaphthylene	TRG	2	5	3	2			
98-86-2	Acetophenone	TRG	17000	30000	2400	2400			
120-12-7	Anthrane	TRG	210	2400	0.2	0.2			
1912-24-9	Atrazine	TRG	6100	68000	NA	6100			
100-52-7	Benzaldehyde	TRG	0.7	0.7	0.7	0.7			
92-87-5	Benzidine	TRG	5	17	0.8	0.8			
56-55-3	Benzo(a)anthracene	TRG	0.5	2	0.2	0.2			
50-32-6	Benzo(b)pyrene	TRG	5	17	2	2			
205-99-2	Benzo(g,h,i)perylene	TRG	380000	30000	NA	30000			
191-24-2	Benzo(k)fluoranthene	TRG	45	170	25	25			
207-08-9	Biphenyl	TRG	61	240	140	61			
92-52-4	bis(2-chloroethoxy)methane	TRG	NA	NA	NA	NA			
111-91-1	bis(2-chloroethoxy)ether	TRG	0.4	2	0.2	0.2			
111-44-4	bis(2-chloroisopropyl)ether	TRG	35	67	5	5			
108-90-1	bis(2-ethylhexyl)phthalate	TRG	1200	14000	230	35			
117-81-7	Butylbenzylphthalate	TRG	31000	340000	12	12			
85-68-7	Caprolactam	TRG	24	96	NA	24			
105-60-2	Carbazole	TRG	450	1700	80	80			
86-74-6	Chrysene	TRG	0.5	2	0.8	0.5			
218-01-9	Dibenzofuran	TRG	NA	NA	NA	NA			
53-70-3	Dibenzofuran	TRG	49000	550000	88	88			
132-64-9	Diethylphthalate	TRG	NA	NA	NA	NA			
84-66-2	Dimethylphthalate	TRG	6100	68000	760	760			
131-11-3	Di-n-butylphthalate	TRG	2400	27000	3300	2400			
84-74-2	Di-n-octylphthalate	TRG	2300	24000	170	170			
117-84-0	Fluoranthene	TRG	0.3	1	0.2	0.2			
206-44-0	Fluorene	TRG	6	25	0.9	0.9			
86-73-7	Hexachlorobenzene	TRG	45	110	320	45			
118-74-1	Hexachlorobutadiene	TRG	12	48	0.2	0.2			
87-68-3	Hexachlorocyclopentadiene	TRG	5	17	7	5			
77-47-4	Hexachloroethane	TRG	510	2000	0.2	0.2			
67-72-1	Indeno(1,2,3-cd)pyrene	TRG	6	17	25	6			
193-39-5	Isophorone	TRG	5	14	0.2	0.2			
78-59-1	Naphthalene	TRG	0.7	0.7	0.7	0.7			
91-20-3	Nitrobenzene	TRG	0.2	0.3	0.2	0.2			
98-95-3	n-Nitroso-dimethylamine	TRG	99	390	0.4	0.4			
62-75-9	n-Nitroso-di-n-propylamine	TRG	0.9	3	0.3	0.3			
621-64-7	n-Nitroso-di-n-propylamine	TRG	NA	300000	NA	300000			
86-30-6	n-Nitrosodiphenylamine	TRG	18000	210000	8	8			
87-86-5	Pentachlorophenol	TRG	1700	18000	840	840			
85-01-8	Phenanthrene	TRG	NA	NA	NA	NA			
108-95-2	Phenol	TRG	78000	NA	6000	6000			
129-00-0	Pyrene	TRG	31	450	6	6			
NA	Tentatively Identified Compounds	TRG	19	19	19	19			
7429-90-5	Aluminum	TRG	16000	59000	2100	2100			
7440-36-0	Antimony	TRG	16	140	0.7	0.7			
7440-38-2	Arsenic	TRG	78	78	2	2			
7440-39-3	Barium	TRG	NA	NA	NA	NA			
7440-41-7	Beryllium	TRG	120000	NA	s spec.	120000			
7440-43-9	Cadmium	TRG	1600	590	90	90			
7440-70-2	Calcium	TRG	3100	45000	11000	3100			
7440-47-3	Chromium	TRG	NA	NA	NA	NA			
7440-48-4	Cobalt	TRG	NA	NA	NA	NA			
7440-50-8	Copper	TRG	NA	NA	NA	NA			
7439-89-6	Iron	TRG	400	800	90	90			
7439-92-1	Lead	TRG	NA	NA	NA	NA			
7439-95-4	Magnesium	TRG	11000	5900	65	65			
7439-96-5	Manganese	TRG	23	65	0.1	0.1			
7439-97-6	Mercury	TRG	1600	23000	48	48			
7440-02-0	Nickel	TRG	NA	NA	NA	NA			
7440-09-7	Potassium	TRG	390	5700	11	11			
7782-49-2	Selenium	TRG	390	5700	1	1			
7440-22-4	Silver	TRG	NA	NA	NA	NA			
7440-23-5	Sodium	TRG	NA	NA	NA	NA			
7440-28-0	Thallium	TRG	78	1100	NA	78			
7440-62-2	Vanadium	TRG	23000	110000	930	930			
7440-66-6	Zinc	TRG	160000	NA	0.3	0.3			
71-55-6	1,1,1-Trichloroethane	TRG	78000	NA	6000	6000			

CAS#	Compound	Type	NUDEP Soil Remediation Standards 2017				Impact To Ground Water Standard	NUDEP	Soil Remediation Lower of RDC, NRDC, IGW
			Residential Direct Contact Standard	Non-Residential Direct Contact Standard	NUDEP	NUDEP			
			9/2017	9/2017	11/2013				
			3400	37000	110	110			
83-32-9	Acenaphthene	TRG	NA	300000	NA	300000			
208-96-8	Acenaphthylene	TRG	2	5	3	2			
98-86-2	Acetophenone	TRG	17000	30000	2400	2400			
120-12-7	Anthrane	TRG	210	2400	0.2	0.2			
1912-24-9	Atrazine	TRG	6100	68000	NA	6100			
100-52-7	Benzaldehyde	TRG	0.7	0.7	0.7	0.7			
92-87-5	Benzidine	TRG	5	17	0.8	0.8			
56-55-3	Benzo(a)anthracene	TRG	0.5	2	0.2	0.2			
50-32-6	Benzo(b)pyrene	TRG	5	17	2	2			
205-99-2	Benzo(g,h,i)perylene	TRG	380000	30000	NA	30000			
191-24-2	Benzo(k)fluoranthene	TRG	45	170	25	25			
207-08-9	Biphenyl	TRG	61	240	140	61			
92-52-4	bis(2-chloroethoxy)methane	TRG	NA	NA	NA	NA			
111-91-1	bis(2-chloroethoxy)ether	TRG	0.4	2	0.2	0.2			
111-44-4	bis(2-chloroisopropyl)ether	TRG	35	67	5	5			
108-90-1	bis(2-ethylhexyl)phthalate	TRG	1200	14000	230	35			
117-81-7	Butylbenzylphthalate	TRG	31000	340000	12	12			
85-68-7	Caprolactam	TRG	24	96	NA	24			
105-60-2	Carbazole	TRG	450	1700	80	80			
86-74-6	Chrysene	TRG	0.5	2	0.8	0.5			
218-01-9	Dibenzofuran	TRG	NA	NA	NA	NA			
53-70-3	Dibenzofuran	TRG	49000	550000	88	88			
132-64-9	Diethylphthalate	TRG	NA	NA	NA	NA			
84-66-2	Dimethylphthalate	TRG	6100	68000	760	760			
131-11-3	Di-n-butylphthalate	TRG	2400	27000	3300	2400			
84-74-2	Di-n-octylphthalate	TRG	2300	24000	170	170			
117-84-0	Fluoranthene	TRG	0.3	1	0.2	0.2			
206-44-0	Fluorene	TRG	6	25	0.9	0.9			
86-73-7	Hexachlorobenzene	TRG	45	110	320	45			
118-74-1	Hexachlorobutadiene	TRG	12	48	0.2	0.2			
87-68-3	Hexachlorocyclopentadiene	TRG	5	17	7	5			
77-47-4	Hexachloroethane	TRG	510	2000	0.2	0.2			
67-72-1	Indeno(1,2,3-cd)pyrene	TRG	6	17	25	6			
193-39-5	Isophorone	TRG	5	14	0.2	0.2			
78-59-1	Naphthalene	TRG	0.7	0.7	0.7	0.7			
91-20-3	Nitrobenzene	TRG	0.2	0.3	0.2	0.2			
98-95-3	n-Nitroso-dimethylamine	TRG	99	390	0.4	0.4			
62-75-9	n-Nitroso-di-n-propylamine	TRG	0.9	3	0.3	0.3			
621-64-7	n-Nitroso-di-n-propylamine	TRG	NA	300000	NA	300000			
86-30-6	n-Nitrosodiphenylamine	TRG	18000	210000	8	8			
87-86-5	Pentachlorophenol	TRG	1700	18000	840	840			
85-01-8	Phenanthrene	TRG	NA	NA	NA	NA			
108-95-2	Phenol	TRG	78000	NA	6000	6000			
129-00-0	Pyrene	TRG	31	450	6	6			
NA	Tentatively Identified Compounds	TRG	19	19	19	19			
7429-90-5	Aluminum	TRG	16000	59000	2100	2100			
7440-36-0	Antimony	TRG	16	140	0.7	0.7			
7440-38-2	Arsenic	TRG	78	78	2	2			
7440-39-3	Barium	TRG	NA	NA	NA	NA			
7440-41-7	Beryllium	TRG	120000	NA	s spec.	120000			
7440-43-9	Cadmium	TRG	1600	590	90	90			
7440-70-2	Calcium	TRG	3100	45000	11000	3100			
7440-47-3	Chromium	TRG	NA	NA	NA	NA			
7440-48-4	Cobalt	TRG	NA	NA	NA	NA			
7440-50-8	Copper	TRG	NA	NA	NA	NA			
7439-89-6	Iron	TRG	400	800	90	90			
7439-92-1	Lead	TRG	NA	NA	NA	NA			
7439-95-4	Magnesium	TRG	11000	5900	65	65			
7439-96-5	Manganese	TRG	23	65	0.1	0.1			
7439-97-6	Mercury	TRG	1600	23000	48	48			
7440-02-0	Nickel	TRG	NA	NA	NA	NA			
7440-09-7	Potassium	TRG	390	5700	11	11			
7782-49-2	Selenium	TRG	390	5700	1	1			
7440-22-4	Silver	TRG	NA	NA	NA	NA			
7440-23-5	Sodium	TRG	NA	NA	NA	NA			
7440-28-0	Thallium	TRG	78	1100	NA	78			
7440-62-2	Vanadium	TRG	23000	110000	930	930			
7440-66-6	Zinc	TRG	160000	NA	0.3	0.3			
71-55-6	1,1,1-Trichloroethane	TRG	78000	NA	6000	6000			

Work Order 1050588			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:			Lab ID:					
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Work Order 1050568				Lab ID: 1050568-01						
Lab: Aqua Pro-Tech Laboratories				21L080						
Client: EnviroVision Consultants, Inc. - Mt. Hope, NJ				05/12/2021 10:15						
Date Sampled:				Aggregate						
Matrix:										
NIDEF				NIDEF						
Residential				Non-Residential						
Direct Contact				Impact To						
Standard				Ground Water						
9/2017				Standard						
9/2017				11/2013						
RDC, NRDC, IGW										
CAS#				Type						
79-34-5	1,1,2,2-Tetrachloroethane	TRG	1	3	0.007	0.007	0.00277	U	0.000277	0.002
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	TRG	NA	NA	NA	NA	0.000958	U	0.000958	0.002
79-00-5	1,1,2-Trichloroethane	TRG	2	6	0.02	0.02	0.000338	U	0.000338	0.002
75-34-3	1,1-Dichloroethane	TRG	8	24	0.2	0.2	0.000293	U	0.000293	0.002
75-35-4	1,1-Dichloroethene	TRG	11	150	0.008	0.008	0.000371	U	0.000371	0.002
87-61-6	1,2,3-Trichlorobenzene	TRG	NA	NA	NA	NA	0.000433	U	0.000433	0.002
120-82-1	1,2,4-Trichlorobenzene	TRG	73	820	0.7	0.7	0.000534	U	0.000534	0.002
95-63-6	1,2,4-Trimethylbenzene	TRG	NA	NA	NA	NA	0.000277	U	0.000277	0.002
96-12-8	1,2-Dibromo-3-chloropropane	TRG	0.08	0.2	0.005	0.005	0.000489	U	0.000489	0.00501
106-93-4	1,2-Dibromoethane	TRG	0.008	0.04	0.005	0.005	0.000253	U	0.000253	0.002
95-50-1	1,2-Dichlorobenzene	TRG	5300	59000	17	17	0.000354	U	0.000354	0.002
107-06-2	1,2-Dichloroethane	TRG	0.9	3	0.005	0.005	0.000283	U	0.000283	0.002
78-87-5	1,2-Dichloropropane	TRG	2	5	0.005	0.005	0.000329	U	0.000329	0.002
108-67-8	1,3,5-Trimethylbenzene	TRG	NA	NA	NA	NA	0.000315	U	0.000315	0.002
541-73-1	1,3-Dichlorobenzene	TRG	5300	59000	19	19	0.000147	U	0.000147	0.002
106-46-7	1,4-Dichlorobenzene	TRG	5	13	2	2	0.000289	U	0.000289	0.002
78-93-3	2-Butanone	TRG	3100	44000	0.9	0.9	0.000327	U	0.000327	0.00501
591-78-6	2-Hexanone	TRG	NA	NA	NA	NA	0.000187	U	0.000187	0.002
99-87-6	4-Isopropyltoluene	TRG	NA	NA	NA	NA	0.000354	U	0.000354	0.002
108-10-1	4-Methyl-2-pentanone	TRG	NA	NA	NA	NA	0.000251	U	0.000251	0.00501
67-64-1	Acetone	TRG	70000	NA	19	19	0.000607	U	0.000607	0.00501
107-02-8	Acrolein	TRG	0.5	1	0.5	0.5	0.0108	U	0.0108	0.002
107-13-1	Acrylonitrile	TRG	0.9	3	0.5	0.5	0.000468	U	0.000468	0.002
71-43-2	Benzene	TRG	2	5	0.005	0.005	0.000182	U	0.000182	0.002
74-97-5	Bromochloromethane	TRG	NA	NA	NA	NA	0.00037	U	0.00037	0.002
75-27-4	Bromodichloromethane	TRG	1	3	0.005	0.005	0.000252	U	0.000252	0.002
75-25-2	Bromofluoromethane	TRG	81	280	0.03	0.03	0.000352	U	0.000352	0.002
74-83-9	Bromomethane	TRG	25	59	0.04	0.04	0.000578	U	0.000578	0.002
75-15-0	Carbon disulfide	TRG	7800	110000	6	6	0.000288	U	0.000288	0.002
56-23-5	Carbon Tetrachloride	TRG	2	4	0.005	0.005	0.000302	U	0.000302	0.002
108-90-7	Chlorobenzene	TRG	510	7400	0.6	0.6	0.000291	U	0.000291	0.002
124-48-1	Chlorodibromomethane	TRG	3	8	0.005	0.005	0.000246	U	0.000246	0.002
75-00-3	Chloroethane	TRG	220	1100	NA	NA	0.000342	U	0.000342	0.002
67-66-3	Chloroform	TRG	0.6	2	0.4	0.4	0.000337	U	0.000337	0.002
74-87-3	Chloromethane	TRG	4	12	NA	NA	0.000772	U	0.000772	0.002
156-59-2	cis-1,2-Dichloroethene	TRG	230	560	0.3	0.3	0.000969	U	0.000969	0.002
10061-01-5	cis-1,3-Dichloropropene	TRG	2	7	0.005	0.005	0.000254	U	0.000254	0.002
110-82-7	Cyclohexane	TRG	NA	NA	NA	NA	0.000444	U	0.000444	0.002
75-71-8	Dichlorodifluoromethane	TRG	490	230000	39	39	0.000676	U	0.000676	0.002
100-41-4	Ethylbenzene	TRG	7800	110000	13	13	0.000272	U	0.000272	0.002
98-82-8	Isopropylbenzene	TRG	NA	NA	NA	NA	0.000315	U	0.000315	0.002
179601-23-1	m+p-Xylenes	TRG	12000	170000	19	19	0.000506	U	0.000506	0.00401
79-20-9	Methyl Acetate	TRG	78000	NA	22	22	0.000266	U	0.000266	0.002
1634-04-4	Methyl tert-Butyl Ether	TRG	110	320	0.2	0.2	0.000339	U	0.000339	0.001
108-87-2	Methylcyclohexane	TRG	NA	NA	NA	NA	0.000323	U	0.000323	0.002
75-09-2	Methylene Chloride	TRG	46	230	0.01	0.01	0.000602	U	0.000602	0.002
104-51-8	n-Butylbenzene	TRG	NA	NA	NA	NA	0.000412	U	0.000412	0.002
103-65-1	n-Propylbenzene	TRG	NA	NA	NA	NA	0.000273	U	0.000273	0.002
95-47-6	o-Xylene	TRG	12000	170000	19	19	0.000258	U	0.000258	0.002
135-98-8	sec-Butylbenzene	TRG	NA	NA	NA	NA	0.00026	U	0.00026	0.002
100-42-5	Styrene	TRG	90	260	3	3	0.000287	U	0.000287	0.002
75-65-0	tert-Butyl alcohol	TRG	1400	11000	0.3	0.3	0.00421	U	0.00421	0.02
98-06-6	tert-Butylbenzene	TRG	NA	NA	NA	NA	0.000321	U	0.000321	0.002
127-18-4	Tetrachloroethene	TRG	43	1500	0.005	0.005	0.000198	U	0.000198	0.002
108-88-3	Toluene	TRG	6300	91000	7	7	0.000161	U	0.000161	0.002
1330-20-7	Total Xylenes	TRG	12000	170000	19	19	0.000258	U	0.000258	0.002
156-60-5	trans-1,2-Dichloroethene	TRG	300	720	0.6	0.6	0.000272	U	0.000272	0.002
10061-02-6	trans-1,3-Dichloropropene	TRG	2	7	0.005	0.005	0.000393	U	0.000393	0.002
79-01-6	Trichloroethene	TRG	3	10	0.01	0.01	0.000295	U	0.000295	0.002
75-69-4	Trichlorofluoromethane	TRG	23000	340000	34	34	0.00023	U	0.00023	0.002
75-01-4	Vinyl chloride	TRG	0.7	2	0.005	0.005	0.000381	U	0.000381	0.002
NA	Tentatively Identified Compounds	TIC Total					0.00	J		

ANALYTICAL RESULTS

STANDARD DELIVERABLES FORMAT

APL WORK ORDER NUMBER: 1050568

EnviroVision Consultants, Inc.

Project: Mt. Hope, NJ

A handwritten signature in black ink, appearing to read "Brian Wood".

Brian Wood
Laboratory Director

All Results meet the requirements of the National Environmental Laboratory Accreditation Conference and/or
State specific certifications as applicable.

Report Date: May 26, 2021

Analytical Results Summary

Mt. Hope, NJ
1050568-01 (Aggregate)
21L080

Collected 05/12/2021 10:15	Received 05/12/2021 12:50	Contact Prakash Khaitan
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Lab Section/ Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
General Chemistry								
Chromium, Hexavalent	SW 846 7196A	05/13/21 09:30	05/13/21 11:10	ND	U	0.207	0.391	mg/kg dry
Cyanide	SW 846 9014	05/13/21 09:08	05/13/21 15:07	ND	U	0.0737	0.246	mg/kg dry
Percent Solids	Gravimetric	05/13/21 19:38	05/14/21 10:43	99.8				%
pH	SW 846 9045D	05/17/21 13:30	05/17/21 13:30	9.33		0.0100	0.0100	pH Units
Redox Potential	SM 2580 (mod)	05/17/21 12:39	05/17/21 13:00	48.0		-1000	-1000	mV
Total Metals								
Aluminum	SW 846 6010D	05/13/21 07:13	05/20/21 11:25	2300		0.155	2.61	mg/kg dry
Antimony	SW 846 6010D	05/13/21 07:13	05/20/21 11:25	ND	U	0.142	1.30	mg/kg dry
Arsenic	SW 846 6010D	05/13/21 07:13	05/20/21 11:25	1.15		0.0931	1.30	mg/kg dry
Barium	SW 846 6010D	05/13/21 07:13	05/20/21 11:25	9.55		0.0395	0.522	mg/kg dry
Beryllium	SW 846 6010D	05/13/21 07:13	05/20/21 11:25	0.0919		0.00302	0.0261	mg/kg dry
Cadmium	SW 846 6010D	05/13/21 07:13	05/20/21 11:25	ND	U	0.0509	0.261	mg/kg dry
Calcium	SW 846 6010D	05/13/21 07:13	05/20/21 11:25	4830		2.94	26.1	mg/kg dry
Chromium	SW 846 6010D	05/13/21 07:13	05/20/21 11:25	5.17		0.0295	0.261	mg/kg dry
Cobalt	SW 846 6010D	05/13/21 07:13	05/20/21 11:25	3.11		0.0267	0.209	mg/kg dry
Copper	SW 846 6010D	05/13/21 07:13	05/20/21 11:25	7.65		0.0730	0.261	mg/kg dry
Iron	SW 846 6010D	05/13/21 07:13	05/20/21 11:25	11300		0.739	5.22	mg/kg dry
Lead	SW 846 6010D	05/13/21 07:13	05/20/21 11:25	0.845		0.109	1.30	mg/kg dry
Magnesium	SW 846 6010D	05/13/21 07:13	05/20/21 11:25	2070		9.22	52.2	mg/kg dry
Manganese	SW 846 6010D	05/13/21 07:13	05/20/21 11:25	104		0.0325	0.261	mg/kg dry
Mercury	SW 846 7471B	05/13/21 07:00	05/13/21 10:40	ND	U	0.0211	0.0431	mg/kg dry
Nickel	SW 846 6010D	05/13/21 07:13	05/20/21 11:25	2.02		0.0229	0.130	mg/kg dry
Potassium	SW 846 6010D	05/13/21 07:13	05/20/21 11:25	1040		31.0	104	mg/kg dry
Selenium	SW 846 6010D	05/13/21 07:13	05/20/21 11:25	ND	U	0.251	1.30	mg/kg dry
Silver	SW 846 6010D	05/13/21 07:13	05/20/21 11:25	ND	U	0.0444	0.522	mg/kg dry
Sodium	SW 846 6010D	05/13/21 07:13	05/20/21 11:25	179		4.98	52.2	mg/kg dry
Thallium	SW 846 6010D	05/13/21 07:13	05/20/21 11:25	ND	U	0.0878	1.30	mg/kg dry
Vanadium	SW 846 6010D	05/13/21 07:13	05/20/21 11:25	10.3		0.0600	0.522	mg/kg dry
Zinc	SW 846 6010D	05/13/21 07:13	05/20/21 11:25	7.46		0.0797	0.783	mg/kg dry

EPH Category 2 Extractable Petroleum Hydrocarbons Category 2

Total EPH	NJDEP-EPH-CAT2	05/18/21 08:05	05/18/21 11:02	25.7		10.0	20.0	mg/kg dry
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BNA+25 Semivolatile Organics - GC/MS

1,2,4,5-Tetrachlorobenzene	SW 846 8270E	05/13/21 07:59	05/13/21 20:23	ND	U	0.0304	0.200	mg/kg dry
1,2-Diphenylhydrazine	SW 846 8270E	05/13/21 07:59	05/13/21 20:23	ND	U	0.0218	0.200	mg/kg dry

FootNotes

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AQUA PRO-TECH LABORATORIES
Certified Environmental Testing

Analytical Results Summary

Mt. Hope, NJ

1050568-01 (Aggregate)

21L080

Collected
05/12/2021 10:15

Received
05/12/2021 12:50

Contact
Prakash Khaitan

Lab Section/ Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
BNA+25 Semivolatile Organics - GC/MS								
1,4-Dioxane	SW 846 8270E	05/13/21 07:59	05/13/21 20:23	ND	U	0.640	1.00	mg/kg dry
2,3,4,6-Tetrachlorophenol	SW 846 8270E	05/13/21 07:59	05/13/21 20:23	ND	U	0.0308	0.200	mg/kg dry
2,4,5-Trichlorophenol	SW 846 8270E	05/13/21 07:59	05/13/21 20:23	ND	U	0.0272	0.200	mg/kg dry
2,4,6-Trichlorophenol	SW 846 8270E	05/13/21 07:59	05/13/21 20:23	ND	U	0.0125	0.200	mg/kg dry
2,4-Dichlorophenol	SW 846 8270E	05/13/21 07:59	05/13/21 20:23	ND	U	0.0201	0.200	mg/kg dry
2,4-Dimethylphenol	SW 846 8270E	05/13/21 07:59	05/13/21 20:23	ND	U	0.0197	0.200	mg/kg dry
2,4-Dinitrophenol	SW 846 8270E	05/13/21 07:59	05/13/21 20:23	ND	U	0.0289	1.00	mg/kg dry
2,4-Dinitrotoluene	SW 846 8270E	05/13/21 07:59	05/13/21 20:23	ND	U	0.0213	0.200	mg/kg dry
2,6-Dinitrotoluene	SW 846 8270E	05/13/21 07:59	05/13/21 20:23	ND	U	0.0478	0.200	mg/kg dry
2-Chloronaphthalene	SW 846 8270E	05/13/21 07:59	05/13/21 20:23	ND	U	0.0230	0.200	mg/kg dry
2-Chlorophenol	SW 846 8270E	05/13/21 07:59	05/13/21 20:23	ND	U	0.0265	0.200	mg/kg dry
2-Methylnaphthalene	SW 846 8270E	05/13/21 07:59	05/13/21 20:23	ND	U	0.0479	0.301	mg/kg dry
2-Methylphenol	SW 846 8270E	05/13/21 07:59	05/13/21 20:23	ND	U	0.0395	0.200	mg/kg dry
2-Nitroaniline	SW 846 8270E	05/13/21 07:59	05/13/21 20:23	ND	U	0.0161	0.200	mg/kg dry
2-Nitrophenol	SW 846 8270E	05/13/21 07:59	05/13/21 20:23	ND	U	0.0222	0.200	mg/kg dry
3,3'-Dichlorobenzidine	SW 846 8270E	05/13/21 07:59	05/13/21 20:23	ND	U	0.0210	0.200	mg/kg dry
3+4-Methylphenol	SW 846 8270E	05/13/21 07:59	05/13/21 20:23	ND	U	0.0367	0.200	mg/kg dry
3-Nitroaniline	SW 846 8270E	05/13/21 07:59	05/13/21 20:23	ND	U	0.0371	0.200	mg/kg dry
4,6-Dinitro-2-methylphenol	SW 846 8270E	05/13/21 07:59	05/13/21 20:23	ND	U	0.0377	0.501	mg/kg dry
4-Bromophenyl-phenyl ether	SW 846 8270E	05/13/21 07:59	05/13/21 20:23	ND	U	0.0286	0.200	mg/kg dry
4-Chloro-3-methylphenol	SW 846 8270E	05/13/21 07:59	05/13/21 20:23	ND	U	0.0316	0.200	mg/kg dry
4-Chloroaniline	SW 846 8270E	05/13/21 07:59	05/13/21 20:23	ND	U	0.00700	0.200	mg/kg dry
4-Chlorophenyl phenyl ether	SW 846 8270E	05/13/21 07:59	05/13/21 20:23	ND	U	0.0108	0.200	mg/kg dry
4-Nitroaniline	SW 846 8270E	05/13/21 07:59	05/13/21 20:23	ND	U	0.100	0.200	mg/kg dry
4-Nitrophenol	SW 846 8270E	05/13/21 07:59	05/13/21 20:23	ND	U	0.0128	0.200	mg/kg dry
Acenaphthene	SW 846 8270E	05/13/21 07:59	05/13/21 20:23	ND	U	0.0114	0.200	mg/kg dry
Acenaphthylene	SW 846 8270E	05/13/21 07:59	05/13/21 20:23	ND	U	0.00696	0.200	mg/kg dry
Acetophenone	SW 846 8270E	05/13/21 07:59	05/13/21 20:23	ND	U	0.0198	0.200	mg/kg dry
Anthracene	SW 846 8270E	05/13/21 07:59	05/13/21 20:23	ND	U	0.0290	0.200	mg/kg dry
Atrazine	SW 846 8270E	05/13/21 07:59	05/13/21 20:23	ND	U	0.0188	0.200	mg/kg dry
Benzaldehyde	SW 846 8270E	05/13/21 07:59	05/13/21 20:23	ND	U	0.0615	0.200	mg/kg dry
Benzidine	SW 846 8270E	05/13/21 07:59	05/13/21 20:23	ND	U	0.458	0.501	mg/kg dry
Benzo(a)anthracene	SW 846 8270E	05/13/21 07:59	05/13/21 20:23	ND	U	0.0201	0.200	mg/kg dry
Benzo(a)pyrene	SW 846 8270E	05/13/21 07:59	05/13/21 20:23	ND	U	0.0349	0.200	mg/kg dry
Benzo(b)fluoranthene	SW 846 8270E	05/13/21 07:59	05/13/21 20:23	ND	U	0.0281	0.200	mg/kg dry
Benzo(g,h,i)perylene	SW 846 8270E	05/13/21 07:59	05/13/21 20:23	ND	U	0.0162	0.200	mg/kg dry
Benzo(k)fluoranthene	SW 846 8270E	05/13/21 07:59	05/13/21 20:23	ND	U	0.0230	0.200	mg/kg dry
Biphenyl	SW 846 8270E	05/13/21 07:59	05/13/21 20:23	ND	U	0.0176	0.200	mg/kg dry

FootNotes

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Mt. Hope, NJ
1050568-01 (Aggregate)

21L080

Collected
05/12/2021 10:15

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05/12/2021 12:50

Contact
Prakash Khaitan

Lab Section/ Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
BNA+25 Semivolatile Organics - GC/MS								
bis(2-chloroethoxy)methane	SW 846 8270E	05/13/21 07:59	05/13/21 20:23	ND	U	0.0277	0.200	mg/kg dry
bis(2-chloroethyl)ether	SW 846 8270E	05/13/21 07:59	05/13/21 20:23	ND	U	0.0219	0.200	mg/kg dry
bis(2-chloroisopropyl)ether	SW 846 8270E	05/13/21 07:59	05/13/21 20:23	ND	U	0.0720	0.200	mg/kg dry
bis(2-ethylhexyl)phthalate	SW 846 8270E	05/13/21 07:59	05/13/21 20:23	ND	U	0.0400	0.200	mg/kg dry
Butylbenzylphthalate	SW 846 8270E	05/13/21 07:59	05/13/21 20:23	ND	U	0.0182	0.200	mg/kg dry
Caprolactam	SW 846 8270E	05/13/21 07:59	05/13/21 20:23	ND	U	0.0259	0.200	mg/kg dry
Carbazole	SW 846 8270E	05/13/21 07:59	05/13/21 20:23	ND	U	0.0385	0.501	mg/kg dry
Chrysene	SW 846 8270E	05/13/21 07:59	05/13/21 20:23	ND	U	0.0137	0.200	mg/kg dry
Dibenzo(a,h)anthracene	SW 846 8270E	05/13/21 07:59	05/13/21 20:23	ND	U	0.0198	0.200	mg/kg dry
Dibenzofuran	SW 846 8270E	05/13/21 07:59	05/13/21 20:23	ND	U	0.0119	0.200	mg/kg dry
Diethylphthalate	SW 846 8270E	05/13/21 07:59	05/13/21 20:23	0.0560	J	0.0388	0.200	mg/kg dry
Dimethylphthalate	SW 846 8270E	05/13/21 07:59	05/13/21 20:23	ND	U	0.0124	0.200	mg/kg dry
Di-n-butylphthalate	SW 846 8270E	05/13/21 07:59	05/13/21 20:23	ND	U	0.0818	0.200	mg/kg dry
Di-n-octylphthalate	SW 846 8270E	05/13/21 07:59	05/13/21 20:23	ND	U	0.0410	0.200	mg/kg dry
Fluoranthene	SW 846 8270E	05/13/21 07:59	05/13/21 20:23	ND	U	0.0188	0.200	mg/kg dry
Fluorene	SW 846 8270E	05/13/21 07:59	05/13/21 20:23	ND	U	0.0167	0.200	mg/kg dry
Hexachlorobenzene	SW 846 8270E	05/13/21 07:59	05/13/21 20:23	ND	U	0.0262	0.200	mg/kg dry
Hexachlorobutadiene	SW 846 8270E	05/13/21 07:59	05/13/21 20:23	ND	U	0.0960	0.200	mg/kg dry
Hexachlorocyclopentadiene	SW 846 8270E	05/13/21 07:59	05/13/21 20:23	ND	U	0.0834	0.501	mg/kg dry
Hexachloroethane	SW 846 8270E	05/13/21 07:59	05/13/21 20:23	ND	U	0.0219	0.200	mg/kg dry
Indeno(1,2,3-cd)pyrene	SW 846 8270E	05/13/21 07:59	05/13/21 20:23	ND	U	0.0215	0.200	mg/kg dry
Isophorone	SW 846 8270E	05/13/21 07:59	05/13/21 20:23	ND	U	0.0131	0.200	mg/kg dry
Naphthalene	SW 846 8270E	05/13/21 07:59	05/13/21 20:23	ND	U	0.0148	0.200	mg/kg dry
Nitrobenzene	SW 846 8270E	05/13/21 07:59	05/13/21 20:23	ND	U	0.0340	0.200	mg/kg dry
n-Nitroso-dimethylamine	SW 846 8270E	05/13/21 07:59	05/13/21 20:23	ND	U	0.0712	0.200	mg/kg dry
n-Nitroso-di-n-propylamine	SW 846 8270E	05/13/21 07:59	05/13/21 20:23	ND	U	0.0107	0.200	mg/kg dry
n-Nitrosodiphenylamine	SW 846 8270E	05/13/21 07:59	05/13/21 20:23	ND	U	0.0427	0.200	mg/kg dry
Pentachlorophenol	SW 846 8270E	05/13/21 07:59	05/13/21 20:23	ND	U	0.0275	0.501	mg/kg dry
Phenanthrene	SW 846 8270E	05/13/21 07:59	05/13/21 20:23	ND	U	0.0263	0.200	mg/kg dry
Phenol	SW 846 8270E	05/13/21 07:59	05/13/21 20:23	ND	U	0.0162	0.200	mg/kg dry
Pyrene	SW 846 8270E	05/13/21 07:59	05/13/21 20:23	ND	U	0.0147	0.200	mg/kg dry

Pesticides

4,4'-DDD	SW 846 8081B	05/13/21 10:49	05/14/21 00:10	ND	U	0.000894	0.00195	mg/kg dry
4,4'-DDE	SW 846 8081B	05/13/21 10:49	05/14/21 00:10	ND	U	0.00107	0.00195	mg/kg dry
4,4'-DDT	SW 846 8081B	05/13/21 10:49	05/14/21 00:10	ND	U	0.00138	0.00195	mg/kg dry
Aldrin	SW 846 8081B	05/13/21 10:49	05/14/21 00:10	ND	U	0.000926	0.00195	mg/kg dry

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Mt. Hope, NJ
1050568-01 (Aggregate)
21L080

Collected
05/12/2021 10:15

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05/12/2021 12:50

Contact
Prakash Khaitan

Lab Section/ Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
Pesticides								
alpha-BHC	SW 846 8081B	05/13/21 10:49	05/14/21 00:10	ND	U	0.000582	0.00195	mg/kg dry
beta-BHC	SW 846 8081B	05/13/21 10:49	05/14/21 00:10	ND	U	0.000933	0.00195	mg/kg dry
Chlordane	SW 846 8081B	05/13/21 10:49	05/14/21 00:10	ND	U	0.000869	0.00195	mg/kg dry
delta-BHC	SW 846 8081B	05/13/21 10:49	05/14/21 00:10	ND	U	0.000908	0.00195	mg/kg dry
Dieldrin	SW 846 8081B	05/13/21 10:49	05/14/21 00:10	ND	U	0.00102	0.00195	mg/kg dry
Endosulfan I	SW 846 8081B	05/13/21 10:49	05/14/21 00:10	ND	U	0.000923	0.00195	mg/kg dry
Endosulfan II	SW 846 8081B	05/13/21 10:49	05/14/21 00:10	ND	U	0.000888	0.00195	mg/kg dry
Endosulfan sulfate	SW 846 8081B	05/13/21 10:49	05/14/21 00:10	ND	U	0.000735	0.00195	mg/kg dry
Endrin	SW 846 8081B	05/13/21 10:49	05/14/21 00:10	ND	U	0.000675	0.00195	mg/kg dry
Endrin aldehyde	SW 846 8081B	05/13/21 10:49	05/14/21 00:10	ND	U	0.000779	0.00195	mg/kg dry
Endrin ketone	SW 846 8081B	05/13/21 10:49	05/14/21 00:10	ND	U	0.000688	0.00195	mg/kg dry
gamma-BHC (Lindane)	SW 846 8081B	05/13/21 10:49	05/14/21 00:10	ND	U	0.000619	0.00195	mg/kg dry
Heptachlor	SW 846 8081B	05/13/21 10:49	05/14/21 00:10	ND	U	0.000523	0.00195	mg/kg dry
Heptachlor Epoxide	SW 846 8081B	05/13/21 10:49	05/14/21 00:10	ND	U	0.000986	0.00195	mg/kg dry
Methoxychlor	SW 846 8081B	05/13/21 10:49	05/14/21 00:10	ND	U	0.000573	0.00195	mg/kg dry
Toxaphene	SW 846 8081B	05/13/21 10:49	05/14/21 00:10	ND	U	0.0941	0.0992	mg/kg dry
PCBs								
Aroclor-1016	SW 846 8082A	05/13/21 10:49	05/20/21 09:34	ND	U	0.00665	0.0496	mg/kg dry
Aroclor-1221	SW 846 8082A	05/13/21 10:49	05/20/21 09:34	ND	U	0.0131	0.0496	mg/kg dry
Aroclor-1232	SW 846 8082A	05/13/21 10:49	05/20/21 09:34	ND	U	0.0166	0.0496	mg/kg dry
Aroclor-1242	SW 846 8082A	05/13/21 10:49	05/20/21 09:34	ND	U	0.00975	0.0496	mg/kg dry
Aroclor-1248	SW 846 8082A	05/13/21 10:49	05/20/21 09:34	ND	U	0.0102	0.0496	mg/kg dry
Aroclor-1254	SW 846 8082A	05/13/21 10:49	05/20/21 09:34	ND	U	0.00801	0.0496	mg/kg dry
Aroclor-1260	SW 846 8082A	05/13/21 10:49	05/20/21 09:34	ND	U	0.00621	0.0496	mg/kg dry
Aroclor-1262	SW 846 8082A	05/13/21 10:49	05/20/21 09:34	ND	U	0.0133	0.0496	mg/kg dry
Aroclor-1268	SW 846 8082A	05/13/21 10:49	05/20/21 09:34	ND	U	0.00600	0.0496	mg/kg dry
Total PCBs	SW 846 8082A	05/13/21 10:49	05/20/21 09:34	ND	U	0.00463	0.0496	mg/kg dry
VO+15 Volatile Organics - GC/MS								
1,1,1-Trichloroethane	SW 846 8260D	05/24/21 23:29	05/24/21 23:29	ND	U	0.000293	0.00200	mg/kg dry
1,1,2,2-Tetrachloroethane	SW 846 8260D	05/24/21 23:29	05/24/21 23:29	ND	U	0.000277	0.00200	mg/kg dry
1,1,2-Trichloro-1,2,2 Trifluoroethane	SW 846 8260D	05/24/21 23:29	05/24/21 23:29	ND	U	0.000858	0.00200	mg/kg dry
1,1,2-Trichloroethane	SW 846 8260D	05/24/21 23:29	05/24/21 23:29	ND	U	0.000338	0.00200	mg/kg dry
1,1-Dichloroethane	SW 846 8260D	05/24/21 23:29	05/24/21 23:29	ND	U	0.000293	0.00200	mg/kg dry
1,1-Dichloroethene	SW 846 8260D	05/24/21 23:29	05/24/21 23:29	ND	U	0.000371	0.00200	mg/kg dry

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21L080

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05/12/2021 10:15

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05/12/2021 12:50

Contact
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Lab Section/ Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
VO+15 Volatile Organics - GC/MS								
1,2,3-Trichlorobenzene	SW 846 8260D	05/24/21 23:29	05/24/21 23:29	ND	U	0.000433	0.00200	mg/kg dry
1,2,4-Trichlorobenzene	SW 846 8260D	05/24/21 23:29	05/24/21 23:29	ND	U	0.000534	0.00200	mg/kg dry
1,2,4-Trimethylbenzene	SW 846 8260D	05/24/21 23:29	05/24/21 23:29	ND	U	0.000277	0.00200	mg/kg dry
1,2-Dibromo-3-chloropropane	SW 846 8260D	05/24/21 23:29	05/24/21 23:29	ND	U	0.000489	0.00501	mg/kg dry
1,2-Dibromoethane	SW 846 8260D	05/24/21 23:29	05/24/21 23:29	ND	U	0.000253	0.00200	mg/kg dry
1,2-Dichlorobenzene	SW 846 8260D	05/24/21 23:29	05/24/21 23:29	ND	U	0.000354	0.00200	mg/kg dry
1,2-Dichloroethane	SW 846 8260D	05/24/21 23:29	05/24/21 23:29	ND	U	0.000283	0.00200	mg/kg dry
1,2-Dichloropropane	SW 846 8260D	05/24/21 23:29	05/24/21 23:29	ND	U	0.000329	0.00200	mg/kg dry
1,3,5-Trimethylbenzene	SW 846 8260D	05/24/21 23:29	05/24/21 23:29	ND	U	0.000315	0.00200	mg/kg dry
1,3-Dichlorobenzene	SW 846 8260D	05/24/21 23:29	05/24/21 23:29	ND	U	0.000147	0.00200	mg/kg dry
1,4-Dichlorobenzene	SW 846 8260D	05/24/21 23:29	05/24/21 23:29	ND	U	0.000289	0.00200	mg/kg dry
2-Butanone	SW 846 8260D	05/24/21 23:29	05/24/21 23:29	ND	U	0.000327	0.00501	mg/kg dry
2-Hexanone	SW 846 8260D	05/24/21 23:29	05/24/21 23:29	ND	U	0.000187	0.00200	mg/kg dry
4-Isopropyltoluene	SW 846 8260D	05/24/21 23:29	05/24/21 23:29	ND	U	0.000354	0.00200	mg/kg dry
4-Methyl-2-pentanone	SW 846 8260D	05/24/21 23:29	05/24/21 23:29	ND	U	0.000251	0.00200	mg/kg dry
Acetone	SW 846 8260D	05/24/21 23:29	05/24/21 23:29	ND	U	0.000607	0.00501	mg/kg dry
Acrolein	SW 846 8260D	05/24/21 23:29	05/24/21 23:29	ND	U	0.00108	0.00200	mg/kg dry
Acrylonitrile	SW 846 8260D	05/24/21 23:29	05/24/21 23:29	ND	U	0.000468	0.00200	mg/kg dry
Benzene	SW 846 8260D	05/24/21 23:29	05/24/21 23:29	ND	U	0.000182	0.00200	mg/kg dry
Bromochloromethane	SW 846 8260D	05/24/21 23:29	05/24/21 23:29	ND	U	0.000370	0.00200	mg/kg dry
Bromodichloromethane	SW 846 8260D	05/24/21 23:29	05/24/21 23:29	ND	U	0.000252	0.00200	mg/kg dry
Bromoform	SW 846 8260D	05/24/21 23:29	05/24/21 23:29	ND	U	0.000352	0.00200	mg/kg dry
Bromomethane	SW 846 8260D	05/24/21 23:29	05/24/21 23:29	ND	U	0.000578	0.00200	mg/kg dry
Carbon disulfide	SW 846 8260D	05/24/21 23:29	05/24/21 23:29	ND	U	0.000288	0.00200	mg/kg dry
Carbon Tetrachloride	SW 846 8260D	05/24/21 23:29	05/24/21 23:29	ND	U	0.000302	0.00200	mg/kg dry
Chlorobenzene	SW 846 8260D	05/24/21 23:29	05/24/21 23:29	ND	U	0.000291	0.00200	mg/kg dry
Chlorodibromomethane	SW 846 8260D	05/24/21 23:29	05/24/21 23:29	ND	U	0.000246	0.00200	mg/kg dry
Chloroethane	SW 846 8260D	05/24/21 23:29	05/24/21 23:29	ND	U	0.000342	0.00200	mg/kg dry
Chloroform	SW 846 8260D	05/24/21 23:29	05/24/21 23:29	ND	U	0.000337	0.00200	mg/kg dry
Chloromethane	SW 846 8260D	05/24/21 23:29	05/24/21 23:29	ND	U	0.000772	0.00200	mg/kg dry
cis-1,2-Dichloroethene	SW 846 8260D	05/24/21 23:29	05/24/21 23:29	ND	U	0.0000969	0.00200	mg/kg dry
cis-1,3-Dichloropropene	SW 846 8260D	05/24/21 23:29	05/24/21 23:29	ND	U	0.000254	0.00200	mg/kg dry
Cyclohexane	SW 846 8260D	05/24/21 23:29	05/24/21 23:29	ND	U	0.000444	0.00200	mg/kg dry
Dichlorodifluoromethane	SW 846 8260D	05/24/21 23:29	05/24/21 23:29	ND	U	0.000676	0.00200	mg/kg dry
EthylBenzene	SW 846 8260D	05/24/21 23:29	05/24/21 23:29	ND	U	0.000272	0.00200	mg/kg dry
Isopropylbenzene	SW 846 8260D	05/24/21 23:29	05/24/21 23:29	ND	U	0.000315	0.00200	mg/kg dry
m+p-Xylenes	SW 846 8260D	05/24/21 23:29	05/24/21 23:29	ND	U	0.000506	0.00401	mg/kg dry
Methyl Acetate	SW 846 8260D	05/24/21 23:29	05/24/21 23:29	ND	U	0.000266	0.00200	mg/kg dry

FootNotes

RL - Reporting limit
MDL - Minimum detection limit
ND, U - Indicates compound analyzed for but not detected
J - Indicates estimated value

B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
H - Indicates a Hold Time violation



AQUA PRO-TECH LABORATORIES
Certified Environmental Testing

Analytical Results Summary

Mt. Hope, NJ
1050568-01 (Aggregate)
21L080

Collected
05/12/2021 10:15

Received
05/12/2021 12:50

Contact
Prakash Khaitan

Lab Section/ Analysis										
Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units			
VO+15 Volatile Organics - GC/MS										
Methyl tert-Butyl Ether	SW 846 8260D	05/24/21 23:29	05/24/21 23:29	ND	U	0.000339	0.00200	mg/kg dry		
Methylcyclohexane	SW 846 8260D	05/24/21 23:29	05/24/21 23:29	ND	U	0.000323	0.00200	mg/kg dry		
Methylene Chloride	SW 846 8260D	05/24/21 23:29	05/24/21 23:29	ND	U	0.000602	0.00200	mg/kg dry		
n-Butylbenzene	SW 846 8260D	05/24/21 23:29	05/24/21 23:29	ND	U	0.000412	0.00200	mg/kg dry		
n-Propylbenzene	SW 846 8260D	05/24/21 23:29	05/24/21 23:29	ND	U	0.000273	0.00200	mg/kg dry		
o-Xylene	SW 846 8260D	05/24/21 23:29	05/24/21 23:29	ND	U	0.000258	0.00200	mg/kg dry		
sec-Butylbenzene	SW 846 8260D	05/24/21 23:29	05/24/21 23:29	ND	U	0.000260	0.00200	mg/kg dry		
Styrene	SW 846 8260D	05/24/21 23:29	05/24/21 23:29	ND	U	0.000287	0.00200	mg/kg dry		
tert-Butyl alcohol	SW 846 8260D	05/24/21 23:29	05/24/21 23:29	ND	U	0.00421	0.0200	mg/kg dry		
tert-Butylbenzene	SW 846 8260D	05/24/21 23:29	05/24/21 23:29	ND	U	0.000321	0.00200	mg/kg dry		
Tetrachloroethene	SW 846 8260D	05/24/21 23:29	05/24/21 23:29	ND	U	0.000198	0.00200	mg/kg dry		
Toluene	SW 846 8260D	05/24/21 23:29	05/24/21 23:29	ND	U	0.000161	0.00200	mg/kg dry		
Total Xylenes	SW 846 8260D	05/24/21 23:29	05/24/21 23:29	ND	U	0.000258	0.00200	mg/kg dry		
trans-1,2-Dichloroethene	SW 846 8260D	05/24/21 23:29	05/24/21 23:29	ND	U	0.000272	0.00200	mg/kg dry		
trans-1,3-Dichloropropene	SW 846 8260D	05/24/21 23:29	05/24/21 23:29	ND	U	0.000383	0.00200	mg/kg dry		
Trichloroethene	SW 846 8260D	05/24/21 23:29	05/24/21 23:29	ND	U	0.000295	0.00200	mg/kg dry		
Trichlorofluoromethane	SW 846 8260D	05/24/21 23:29	05/24/21 23:29	ND	U	0.000230	0.00200	mg/kg dry		
Vinyl chloride	SW 846 8260D	05/24/21 23:29	05/24/21 23:29	ND	U	0.000381	0.00200	mg/kg dry		

FootNotes

RL - Reporting limit
MDL - Minimum detection limit
ND, U - Indicates compound analyzed for but not detected
J - Indicates estimated value

B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
H - Indicates a Hold Time violation



State of New Jersey
Department of Labor and Workforce Development

Certificate No. 004853
Expiration Date 3/31/2022

MINE REGISTRATION CERTIFICATE

ISSUED TO:

TILCON NEW YORK INC-POMPTON LAKES QUARRY

FOOT OF BROAD ST

BLK NO(S): 5104 & 5105

LOT NO(S): 84 & 14.02

POMPTON LAKES, NJ

COUNTY: PASSAIC

Issued pursuant to the provisions of N.J.S.A. 34:6-98.1 et. seq. Failure to comply with the provisions of the Act, and the Rules promulgated thereunder, shall be good cause for the revocation of this Certificate.

Robert Asaro-Angelo

Commissioner

THIS CERTIFICATE MUST BE POSTED AT ALL TIMES



20-21 Wagaraw Road – Bldg. 35E, Fair Lawn, NJ 07410
PH (973) 636-9145 FAX (973) 636-9144
Email: envirovision@optonline.net

This report is the confidential property of the Client, and information contained may not be published or reproduced without our written permission.

Client:	Tilcon New York, Inc.		
Project:	Pompton Lakes Quarry, Pompton Lakes, New Jersey		
Subject:	Laboratory Testing of Aggregates for NJDEP SRS		
Job No.:	21-058	Report Number:	21-R-105
		Date:	05/26/2021

We present herewith the laboratory test results of one aggregate sample picked up on May 12, 2021. The sample was collected by a representative of Tilcon New York Inc., on May 12, 2021.

As requested, the aggregate sample was analyzed for the U.S. EPA Target Compound List (TCL)+30/Target Analyte List (TAL) parameters, Extractable Petroleum Hydrocarbons (EPH), pH, and Hexavalent Chromium. The analyses were performed by Aqua Pro-Tech Laboratories (APL) (NJDEP Lab ID No. 07010). The copies of the sample chain-of-custody forms from APL and Envirovision, the preliminary APL laboratory summary report and NJDEP-SRS comparison tables are attached.

Review of the laboratory data and comparison of the sample test results to the NJDEP Residential Direct Contact Soil Remediation Standards (RDCSRS) indicated that the aggregate sample **meet** the **NJDEP- RDCSRS**.

If there are any questions or if we can be of further assistance in this matter, please contact us.

Very truly yours,

ENVIROVISION CONSULTANS, INC.

Prakash Khaitan
Vice President

Attachments:

- (1) Laboratory Summary Report, APL and Enviro Sample Chain-of-Custody Forms, and NJDEP-SRS Comparison Tables

E-mailed to: Mr. Steve O'Reilly soreilly@tilconny.com



CLIENT:	TILTON NY	DATE:	5-12-21
ADDRESS:		JOB NO.	21058
CONTACT:		TEL. #:	
PROJECT:	Pompton Lakes NJ	PROJECT LAB ID #:	21079

Comments:

pH Meter No.: _____	Reading	T°C	Time	Analyst
pH				
pH Dup.				

Sampled By:

RELINQUISHED BY:

RECEIVED BY:

DATE AND TIME:

5-12-21 9:15 Am

1050567-01
211079
05/12/2021 08:30
Aggregate

NJDEP Soil Remediation Standards 2017
NJDEP
Residential
Non-Residential
Impact To
Ground Water
Lower of
RDC, NRDC, GW

Lab ID:
Client ID:
Date Sampled:
Matrix:

CAS#	Compound	Type	Residential	Non-Residential	Impact To	Lower of	Result	Qualifier	MDL	RL
Extractable Petroleum Hydrocarbons Category 2 (mg/kg)										
NUDEP-EPHC Total EPH										
General Chemistry (%)										
PERSOL Percent Solids										
General Chemistry (mg/kg)										
18540-29-9	Chromium, Hexavalent	TRG	240	20	s spec	20	0.409	U	0.409	0.409
57-12-5	Cyanide	TRG	47	680	20	20	0.26	U	0.26	0.260
General Chemistry (mV)										
Redox Potential										
General Chemistry (pH Units)										
pH										
PCBs (mg/kg)										
12674-11-2	Aroclor-1016	TRG	0.2	1	0.2	0.2	0.0665	U	0.0665	0.0495
11104-28-2	Aroclor-1221	TRG	0.2	1	0.2	0.2	0.0131	U	0.0131	0.0495
11141-16-5	Aroclor-1232	TRG	0.2	1	0.2	0.2	0.0166	U	0.0166	0.0495
53469-21-9	Aroclor-1242	TRG	0.2	1	0.2	0.2	0.00974	U	0.00974	0.0495
12672-29-6	Aroclor-1248	TRG	0.2	1	0.2	0.2	0.0102	U	0.0102	0.0495
11097-69-1	Aroclor-1254	TRG	0.2	1	0.2	0.2	0.008	U	0.008	0.0495
11096-82-5	Aroclor-1260	TRG	0.2	1	0.2	0.2	0.0062	U	0.0062	0.0495
37324-23-5	Aroclor-1262	TRG	0.2	1	0.2	0.2	0.0133	U	0.0133	0.0495
11100-14-4	Aroclor-1268	TRG	0.2	1	0.2	0.2	0.00599	U	0.00599	0.0495
1336-36-3	Total PCBs	TRG	0.2	1	0.2	0.2	0.0463	U	0.0463	0.0495
Pesticides (mg/kg)										
72-54-8	4,4'-DDD	TRG	3	13	4	3	0.00893384	U	0.00893384	0.001951932
72-55-9	4,4'-DDE	TRG	2	9	18	2	0.001067557	U	0.001067557	0.001951932
50-29-3	4,4'-DDT	TRG	2	8	11	2	0.001378365	U	0.001378365	0.001951932
309-00-2	Aldrin	TRG	0.04	0.2	0.2	0.04	0.000924916	U	0.000924916	0.001951932
319-84-6	alpha-BHC	TRG	0.1	0.5	0.002	0.002	0.000581075	U	0.000581075	0.001951932
319-85-7	beta-BHC	TRG	0.4	2	0.002	0.002	0.000932423	U	0.000932423	0.001951932
57-74-9	Chlordane	TRG	0.2	1	0.05	0.05	0.000967859	U	0.000967859	0.001951932
319-86-8	delta-BHC	TRG	NA	NA	NA	NA	0.000906898	U	0.000906898	0.001951932
60-57-1	Dieldrin	TRG	0.04	0.2	0.003	0.003	0.001021011	U	0.001021011	0.001951932
959-98-8	Endosulfan I	TRG	470	6800	4	4	0.000887379	U	0.000887379	0.001951932
33213-65-9	Endosulfan II	TRG	470	6800	2	2	0.000734227	U	0.000734227	0.001951932
1031-07-8	Endosulfan sulfate	TRG	23	340	1	1	0.000674167	U	0.000674167	0.001951932
72-20-8	Endrin	TRG	NA	NA	NA	NA	0.000777777	U	0.000777777	0.001951932
7421-93-4	Endrin aldehyde	TRG	NA	NA	NA	NA	0.000687681	U	0.000687681	0.001951932
53494-70-5	Endrin ketone	TRG	NA	NA	0.002	0.002	0.000618612	U	0.000618612	0.001951932
58-89-9	gamma-BHC (Lindane)	TRG	0.4	2	0.5	0.1	0.000522517	U	0.000522517	0.001951932
76-44-8	Heptachlor	TRG	0.1	0.7	0.3	0.01	0.000984975	U	0.000984975	0.001951932
1024-57-3	Heptachlor Epoxide	TRG	0.07	0.3	0.01	0.01	0.000572066	U	0.000572066	0.001951932
72-43-5	Methoxychlor	TRG	390	5700	160	160	0.09403509	U	0.09403509	0.0990981
8001-35-2	Toxaphene	TRG	0.6	3	0.3	0.3	0.0303	U	0.0303	0.2
Semivolatile Organics - GC/MS (mg/kg)										
95-84-3	1,2,4,5-Tetrachlorobenzene	TRG	NA	NA	NA	NA	0.0218	U	0.0218	0.2
122-66-7	1,2-Diphenylhydrazine	TRG	0.7	2	0.7	0.7	0.639	U	0.639	1
123-91-1	1,4-Dioxane	TRG	NA	NA	NA	NA	0.0308	U	0.0308	0.2
58-90-2	2,3,4,6-Tetrachlorophenol	TRG	6100	68000	68	68	0.0272	U	0.0272	0.2
95-96-4	2,4,5-Trichlorophenol	TRG	19	74	0.2	0.2	0.0125	U	0.0125	0.2
88-06-2	2,4,6-Trichlorophenol	TRG	160	2100	0.2	0.2	0.0201	U	0.0201	0.2
120-83-2	2,4-Dichlorophenol	TRG	180	14000	1	1	0.0197	U	0.0197	0.2
105-67-9	2,4-Dimethylphenol	TRG	1200	14000	0.3	0.3	0.0288	U	0.0288	1
51-28-5	2,4-Dinitrophenol	TRG	120	1400	0.2	0.2	0.0213	U	0.0213	0.2
121-14-2	2,4-Dinitrotoluene	TRG	0.7	3	0.2	0.2	0.0477	U	0.0477	0.2
605-20-2	2,6-Dinitrotoluene	TRG	0.7	3	0.2	0.2	0.023	U	0.023	0.2
91-58-7	2-Chloronaphthalene	TRG	NA	NA	NA	NA	0.0264	U	0.0264	0.2
95-57-8	2-Chlorophenol	TRG	310	2200	8	8	0.0479	U	0.0479	0.3
91-57-6	2-Methylnaphthalene	TRG	230	2400	8	8	0.0395	U	0.0395	0.2
95-49-7	2-Methylphenol	TRG	310	3400	NA	NA	0.0161	U	0.0161	0.2
88-74-4	2-Nitroaniline	TRG	39	23000	NA	NA	0.0222	U	0.0222	0.2
88-75-5	2-Nitrophenol	TRG	NA	4	0.2	0.2	0.021	U	0.021	0.2
91-94-1	3,3'-Dichlorobenzidine	TRG	1	340	NA	NA	0.0366	U	0.0366	0.2
65794-96-9	3-Methylphenol	TRG	31	68	NA	NA	0.0371	U	0.0371	0.2
99-09-2	3-Nitroaniline	TRG	6	68	0.3	0.3	0.0377	U	0.0377	0.5
534-52-1	4,6-Dinitro-2-methylphenol	TRG	NA	NA	NA	NA	0.0285	U	0.0285	0.2
101-55-3	4-Bromophenyl-phenyl ether	TRG	NA	NA	NA	NA	0.0315	U	0.0315	0.2
59-50-7	4-Chloro-3-methylphenol	TRG	NA	NA	NA	NA	0.007	U	0.007	0.2
105-47-8	4-Chloroaniline	TRG	NA	NA	NA	NA	0.0108	U	0.0108	0.2
7005-72-3	4-Chlorophenyl phenyl ether	TRG	NA	NA	NA	NA	0.1	U	0.1	0.2
100-01-6	4-Nitroaniline	TRG	NA	NA	NA	NA	0.0128	U	0.0128	0.2
100-02-7	4-Nitrophenol	TRG	NA	NA	NA	NA	0.0114	U	0.0114	0.2
83-32-9	Acenaphthene	TRG	3400	37000	110	110	0.0095	U	0.0095	0.2
208-96-8	Acenaphthylene	TRG	NA	300000	NA	NA	0.0095	U	0.0095	0.2

CAS#	Compound	Type	NJDEP Soil Remediation Standards 2017				Soil Remediation Lower of RDC, NRDC, GW	Qualifier	MDL	Result	RL
			NJDEP Residential Direct Contact Standard 9/2017	NJDEP Non-Residential Direct Contact Standard 9/2017	NJDEP Impact To Ground Water Standard 11/2013	NJDEP Soil Remediation Lower of RDC, NRDC, GW					
98-86-2	Acetophenone	TRG	2	5	3	2	0.0198	U	0.0198	0.0198	0.2
120-12-7	Anthrane	TRG	17000	30000	2400	2400	0.029	U	0.029	0.029	0.2
1912-24-9	Azine	TRG	210	2400	0.2	0.2	0.0188	U	0.0188	0.0188	0.2
100-52-7	Benzaldehyde	TRG	6100	68000	NA	6100	0.0614	U	0.0614	0.0614	0.2
92-87-5	Benzidine	TRG	0.7	0.7	0.7	0.7	0.457	U	0.457	0.457	0.5
56-55-3	Benz(a)anthracene	TRG	5	17	0.8	0.8	0.0201	U	0.0201	0.0201	0.2
50-32-8	Benz(a)pyrene	TRG	0.5	2	0.2	0.2	0.0348	U	0.0348	0.0348	0.2
205-99-2	Benz(b)fluoranthene	TRG	5	17	NA	300000	0.0281	U	0.0281	0.0281	0.2
191-24-2	Benz(g,h,i)perylene	TRG	380000	30000	NA	NA	0.0162	U	0.0162	0.0162	0.2
207-08-9	Benz(k)fluoranthene	TRG	45	170	25	25	0.023	U	0.023	0.023	0.2
92-52-4	Biphenyl	TRG	61	240	140	61	0.0176	U	0.0176	0.0176	0.2
111-91-1	bis(2-chloroethoxy)methane	TRG	NA	NA	NA	NA	0.0276	U	0.0276	0.0276	0.2
111-44-4	bis(2-chloroethyl)ether	TRG	0.4	2	0.2	0.2	0.0219	U	0.0219	0.0219	0.2
108-60-1	bis(2-chloroisopropyl)ether	TRG	23	67	5	5	0.0719	U	0.0719	0.0719	0.2
117-81-7	bis(2-ethylhexyl)phthalate	TRG	35	140	1200	35	0.0399	U	0.0399	0.0399	0.2
85-68-7	Butylbenzylphthalate	TRG	1200	14000	2300	2300	0.0182	U	0.0182	0.0182	0.2
105-60-2	Caprolactam	TRG	31000	340000	12	12	0.0384	U	0.0384	0.0384	0.5
86-74-8	Carbazole	TRG	24	96	NA	24	0.0137	U	0.0137	0.0137	0.2
218-01-9	Chrysene	TRG	450	1700	80	80	0.0198	U	0.0198	0.0198	0.2
53-70-3	Dibenz(a,h)anthracene	TRG	0.5	2	0.8	0.5	0.0119	U	0.0119	0.0119	0.2
132-64-9	Dibenzofuran	TRG	NA	NA	NA	NA	0.0387	J	0.0387	0.0387	0.2
84-66-2	Diethylphthalate	TRG	49000	550000	88	88	0.0124	U	0.0124	0.0124	0.2
131-11-3	Dimethylphthalate	TRG	NA	NA	NA	NA	0.0817	U	0.0817	0.0817	0.2
84-74-2	Di-n-butylphthalate	TRG	6100	68000	760	760	0.041	U	0.041	0.041	0.2
117-84-0	Di-n-octylphthalate	TRG	2400	27000	3300	2400	0.0188	U	0.0188	0.0188	0.2
205-44-0	Fluoranthene	TRG	2300	24000	170	170	0.0167	U	0.0167	0.0167	0.2
86-73-7	Fluorene	TRG	0.3	1	0.2	0.2	0.0261	U	0.0261	0.0261	0.2
118-74-1	Hexachlorobenzene	TRG	6	25	0.9	0.9	0.0959	U	0.0959	0.0959	0.2
87-68-3	Hexachlorobutadiene	TRG	45	110	320	45	0.0833	U	0.0833	0.0833	0.5
77-47-4	Hexachlorocyclopentadiene	TRG	12	48	0.2	0.2	0.0219	U	0.0219	0.0219	0.2
67-72-1	Hexachloroethane	TRG	5	17	7	5	0.0215	U	0.0215	0.0215	0.2
193-39-5	Indeno(1,2,3-cd)pyrene	TRG	510	2000	0.2	0.2	0.0131	U	0.0131	0.0131	0.2
78-59-1	Isophorone	TRG	6	17	25	6	0.0148	U	0.0148	0.0148	0.2
91-20-3	Naphthalene	TRG	5	14	0.2	0.2	0.0339	U	0.0339	0.0339	0.2
98-95-3	Nitrobenzene	TRG	0.7	0.7	0.7	0.7	0.0172	U	0.0172	0.0172	0.2
62-75-9	n-Nitroso-dimethylamine	TRG	0.2	0.3	0.2	0.2	0.0107	U	0.0107	0.0107	0.2
821-64-7	n-Nitroso-di-n-propylamine	TRG	99	390	0.4	0.4	0.0426	U	0.0426	0.0426	0.2
86-30-6	n-Nitrosodiphenylamine	TRG	0.9	3	0.3	0.3	0.0275	U	0.0275	0.0275	0.5
87-86-5	Pentachlorophenol	TRG	NA	300000	NA	300000	0.0263	U	0.0263	0.0263	0.2
85-01-8	Phenanthrene	TRG	18000	210000	8	8	0.0162	U	0.0162	0.0162	0.2
108-95-2	Phenol	TRG	1700	18000	840	840	0.0147	U	0.0147	0.0147	0.2
129-00-0	Pyrene	TRG	1700	18000	840	840	0.0147	U	0.0147	0.0147	0.2
NA	Tentatively Identified Compounds	TIC Total					0.00	J		0.00	
Total Metals (mg/kg)											
7429-90-5	Aluminum	TRG	76000	NA	6000	6000	4310	U		4310	2.49
7440-36-0	Antimony	TRG	31	450	6	6	1.25	U		1.25	1.25
7440-38-2	Arsenic	TRG	19	19	19	19	0.722	U		0.722	0.498
7440-39-3	Barium	TRG	16000	59000	2100	2100	37.8	U		37.8	0.0249
7440-41-7	Beryllium	TRG	16	140	0.7	0.7	0.0249	U		0.0249	0.249
7440-43-9	Cadmium	TRG	78	78	2	2	0.249	U		0.249	24.9
7440-70-2	Calcium	TRG	NA	NA	NA	NA	4680			4680	0.249
7440-47-3	Chromium	TRG	120000	NA	s spec	120000	17.4			17.4	0.199
7440-48-4	Cobalt	TRG	1800	590	90	90	4.41	U		4.41	0.249
7440-50-8	Copper	TRG	3100	45000	11000	3100	24.2	U		24.2	4.98
7439-89-6	Iron	TRG	NA	NA	NA	NA	9710	U		9710	1.25
7439-92-1	Lead	TRG	400	800	90	90	2.03	U		2.03	49.8
7439-95-4	Magnesium	TRG	NA	NA	NA	NA	3540			3540	0.249
7439-96-5	Manganese	TRG	11000	5900	65	65	103			103	0.0454
7439-97-6	Mercury	TRG	23	65	0.1	0.1	0.0454	U		0.0454	0.125
7440-02-0	Nickel	TRG	1600	23000	48	48	7.35	U		7.35	99.6
7440-09-7	Potassium	TRG	NA	NA	NA	NA	3190	U		3190	1.25
7782-49-2	Selenium	TRG	390	5700	11	11	0.498	U		0.498	49.8
7440-22-4	Silver	TRG	390	5700	1	1	239	U		239	1.25
7440-23-5	Sodium	TRG	NA	NA	NA	NA	25.9	U		25.9	0.498
7440-28-0	Thallium	TRG	NA	NA	NA	NA	17.9			17.9	0.747
7440-62-2	Vanadium	TRG	78	1100	930	78	17.9			17.9	0.498
7440-66-6	Zinc	TRG	23000	110000	930	930	103			103	0.249
Volatile Organics - GC/MS (mg/kg)											
71-55-6	1,1,1-Trichloroethane	TRG	160000	NA	0.3	0.3	0.000292	U		0.000292	0.002
79-34-5	1,1,2,2-Tetrachloroethane	TRG	1	3	0.007	0.007	0.000276	U		0.000276	0.002
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	TRG	NA	NA	NA	NA	0.000857	U		0.000857	0.002
79-00-5	1,1,2-Trichloroethane	TRG	2	6	0.02	0.02	0.000337	U		0.000337	0.002

Work Order 1050567

Lab: Aqua Pro-Tech Laboratories

Client: EnviroVision Consultants, Inc. - Pompton Lakes, NJ

Lab ID:

Client ID:

Date Sampled:

Matrix:

NJDEP Soil Remediation Standards 2017

NJDEP
Residential
Direct Contact
Standard
9/2017

NJDEP
Non-Residential
Direct Contact
Standard
9/2017

NJDEP
Impact To
Ground Water
Standard
11/2013

NJDEP
Soil Remediation
Lower of
RDC, NRDC, IGW

1050567-01

211079

05/12/2021 08:30

Aggregate

CAS#

Compound

Type

Key:

Reporting Limit exceeds Reg Standard

Value Exceeded One or More of the Criteria

Detected in Sample

E Qualified, may require Dilution

Specific Footnotes:

Soil Remediation Standards N.J.A.C. 7:26D (version September 18, 2017)

IGW - Guidance Document Version 2.0 - November 2013 (Table 1)

ANALYTICAL RESULTS

STANDARD DELIVERABLES FORMAT

APL WORK ORDER NUMBER: 1050567

EnviroVision Consultants, Inc.

Project: Pompton Lakes, NJ

A handwritten signature in black ink, appearing to read "Brian Wood".

Brian Wood
Laboratory Director

All Results meet the requirements of the National Environmental Laboratory Accreditation Conference and/or
State specific certifications as applicable.

Report Date: May 26, 2021

Analytical Results Summary

Pompton Lakes, NJ
1050567-01 (Aggregate)

21L079

Collected 05/12/2021 08:30	Received 05/12/2021 12:50	Contact Prakash Khaitan
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Lab Section/ Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
General Chemistry								
Chromium, Hexavalent	SW 846 7196A	05/13/21 09:30	05/13/21 11:10	ND	U	0.216	0.409	mg/kg dry
Cyanide	SW 846 9014	05/13/21 09:08	05/13/21 15:07	ND	U	0.0782	0.261	mg/kg dry
Percent Solids	Gravimetric	05/13/21 19:38	05/14/21 10:43	99.9				%
pH	SW 846 9045D	05/17/21 13:30	05/17/21 13:30	8.96		0.0100	0.0100	pH Units
Redox Potential	SM 2580 (mod)	05/17/21 12:39	05/17/21 13:00	21.0		-1000	-1000	mV
Total Metals								
Aluminum	SW 846 6010D	05/13/21 07:13	05/24/21 12:38	4310		0.148	2.49	mg/kg dry
Antimony	SW 846 6010D	05/13/21 07:13	05/24/21 12:38	ND	U	0.136	1.25	mg/kg dry
Arsenic	SW 846 6010D	05/13/21 07:13	05/24/21 12:38	0.722		0.0888	1.25	mg/kg dry
Barium	SW 846 6010D	05/13/21 07:13	05/24/21 12:38	37.8		0.0376	0.498	mg/kg dry
Beryllium	SW 846 6010D	05/13/21 07:13	05/24/21 12:38	ND	U	0.00288	0.0249	mg/kg dry
Cadmium	SW 846 6010D	05/13/21 07:13	05/24/21 12:38	ND	U	0.0485	0.249	mg/kg dry
Calcium	SW 846 6010D	05/13/21 07:13	05/24/21 12:38	4680		2.80	24.9	mg/kg dry
Chromium	SW 846 6010D	05/13/21 07:13	05/24/21 12:38	17.4		0.0281	0.249	mg/kg dry
Cobalt	SW 846 6010D	05/13/21 07:13	05/24/21 12:38	4.41		0.0254	0.199	mg/kg dry
Copper	SW 846 6010D	05/13/21 07:13	05/24/21 12:38	24.2		0.0697	0.249	mg/kg dry
Iron	SW 846 6010D	05/13/21 07:13	05/24/21 12:38	9710		0.705	4.98	mg/kg dry
Lead	SW 846 6010D	05/13/21 07:13	05/24/21 12:38	2.03		0.104	1.25	mg/kg dry
Magnesium	SW 846 6010D	05/13/21 07:13	05/24/21 12:38	3540		8.80	49.8	mg/kg dry
Manganese	SW 846 6010D	05/13/21 07:13	05/24/21 12:38	103		0.0310	0.249	mg/kg dry
Mercury	SW 846 7471B	05/13/21 07:00	05/13/21 10:30	ND	U	0.0223	0.0454	mg/kg dry
Nickel	SW 846 6010D	05/13/21 07:13	05/24/21 12:38	7.35		0.0219	0.125	mg/kg dry
Potassium	SW 846 6010D	05/13/21 07:13	05/24/21 12:38	3190		29.6	99.6	mg/kg dry
Selenium	SW 846 6010D	05/13/21 07:13	05/24/21 12:38	ND	U	0.239	1.25	mg/kg dry
Silver	SW 846 6010D	05/13/21 07:13	05/24/21 12:38	ND	U	0.0424	0.498	mg/kg dry
Sodium	SW 846 6010D	05/13/21 07:13	05/24/21 12:38	239		4.75	49.8	mg/kg dry
Thallium	SW 846 6010D	05/13/21 07:13	05/24/21 12:38	ND	U	0.0838	1.25	mg/kg dry
Vanadium	SW 846 6010D	05/13/21 07:13	05/24/21 12:38	25.9		0.0573	0.498	mg/kg dry
Zinc	SW 846 6010D	05/13/21 07:13	05/24/21 12:38	17.9		0.0761	0.747	mg/kg dry

EPH Category 2 Extractable Petroleum Hydrocarbons Category 2

Total EPH	NJDEP-EPH-CAT2	05/24/21 14:48	05/24/21 22:10	59.8		10.0	20.0	mg/kg dry
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BNA+25 Semivolatile Organics - GC/MS

1,2,4,5-Tetrachlorobenzene	SW 846 8270E	05/13/21 07:59	05/13/21 19:54	ND	U	0.0303	0.200	mg/kg dry
1,2-Diphenylhydrazine	SW 846 8270E	05/13/21 07:59	05/13/21 19:54	ND	U	0.0218	0.200	mg/kg dry

FootNotes

RL - Reporting limit
MDL - Minimum detection limit
ND, U - Indicates compound analyzed for but not detected
J - Indicates estimated value

B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
H - Indicates a Hold Time violation

Analytical Results Summary

Pompton Lakes, NJ
1050567-01 (Aggregate)

21L079

Collected
05/12/2021 08:30

Received
05/12/2021 12:50

Contact
Prakash Khaitan

Lab Section/ Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
BNA+25 Semivolatile Organics - GC/MS								
1,4-Dioxane	SW 846 8270E	05/13/21 07:59	05/13/21 19:54	ND	U	0.639	1.00	mg/kg dry
2,3,4,6-Tetrachlorophenol	SW 846 8270E	05/13/21 07:59	05/13/21 19:54	ND	U	0.0308	0.200	mg/kg dry
2,4,5-Trichlorophenol	SW 846 8270E	05/13/21 07:59	05/13/21 19:54	ND	U	0.0272	0.200	mg/kg dry
2,4,6-Trichlorophenol	SW 846 8270E	05/13/21 07:59	05/13/21 19:54	ND	U	0.0125	0.200	mg/kg dry
2,4-Dichlorophenol	SW 846 8270E	05/13/21 07:59	05/13/21 19:54	ND	U	0.0201	0.200	mg/kg dry
2,4-Dimethylphenol	SW 846 8270E	05/13/21 07:59	05/13/21 19:54	ND	U	0.0197	0.200	mg/kg dry
2,4-Dinitrophenol	SW 846 8270E	05/13/21 07:59	05/13/21 19:54	ND	U	0.0288	1.00	mg/kg dry
2,4-Dinitrotoluene	SW 846 8270E	05/13/21 07:59	05/13/21 19:54	ND	U	0.0213	0.200	mg/kg dry
2,6-Dinitrotoluene	SW 846 8270E	05/13/21 07:59	05/13/21 19:54	ND	U	0.0477	0.200	mg/kg dry
2-Chloronaphthalene	SW 846 8270E	05/13/21 07:59	05/13/21 19:54	ND	U	0.0230	0.200	mg/kg dry
2-Chlorophenol	SW 846 8270E	05/13/21 07:59	05/13/21 19:54	ND	U	0.0264	0.200	mg/kg dry
2-Methylnaphthalene	SW 846 8270E	05/13/21 07:59	05/13/21 19:54	ND	U	0.0479	0.300	mg/kg dry
2-Methylphenol	SW 846 8270E	05/13/21 07:59	05/13/21 19:54	ND	U	0.0395	0.200	mg/kg dry
2-Nitroaniline	SW 846 8270E	05/13/21 07:59	05/13/21 19:54	ND	U	0.0161	0.200	mg/kg dry
2-Nitrophenol	SW 846 8270E	05/13/21 07:59	05/13/21 19:54	ND	U	0.0222	0.200	mg/kg dry
3,3'-Dichlorobenzidine	SW 846 8270E	05/13/21 07:59	05/13/21 19:54	ND	U	0.0210	0.200	mg/kg dry
3+4-Methylphenol	SW 846 8270E	05/13/21 07:59	05/13/21 19:54	ND	U	0.0366	0.200	mg/kg dry
3-Nitroaniline	SW 846 8270E	05/13/21 07:59	05/13/21 19:54	ND	U	0.0371	0.200	mg/kg dry
4,6-Dinitro-2-methylphenol	SW 846 8270E	05/13/21 07:59	05/13/21 19:54	ND	U	0.0377	0.500	mg/kg dry
4-Bromophenyl-phenyl ether	SW 846 8270E	05/13/21 07:59	05/13/21 19:54	ND	U	0.0285	0.200	mg/kg dry
4-Chloro-3-methylphenol	SW 846 8270E	05/13/21 07:59	05/13/21 19:54	ND	U	0.0315	0.200	mg/kg dry
4-Chloroaniline	SW 846 8270E	05/13/21 07:59	05/13/21 19:54	ND	U	0.00700	0.200	mg/kg dry
4-Chlorophenyl phenyl ether	SW 846 8270E	05/13/21 07:59	05/13/21 19:54	ND	U	0.0108	0.200	mg/kg dry
4-Nitroaniline	SW 846 8270E	05/13/21 07:59	05/13/21 19:54	ND	U	0.100	0.200	mg/kg dry
4-Nitrophenol	SW 846 8270E	05/13/21 07:59	05/13/21 19:54	ND	U	0.0128	0.200	mg/kg dry
Acenaphthene	SW 846 8270E	05/13/21 07:59	05/13/21 19:54	ND	U	0.0114	0.200	mg/kg dry
Acenaphthylene	SW 846 8270E	05/13/21 07:59	05/13/21 19:54	ND	U	0.00695	0.200	mg/kg dry
Acetophenone	SW 846 8270E	05/13/21 07:59	05/13/21 19:54	ND	U	0.0198	0.200	mg/kg dry
Anthracene	SW 846 8270E	05/13/21 07:59	05/13/21 19:54	ND	U	0.0290	0.200	mg/kg dry
Atrazine	SW 846 8270E	05/13/21 07:59	05/13/21 19:54	ND	U	0.0188	0.200	mg/kg dry
Benzaldehyde	SW 846 8270E	05/13/21 07:59	05/13/21 19:54	ND	U	0.0614	0.200	mg/kg dry
Benzidine	SW 846 8270E	05/13/21 07:59	05/13/21 19:54	ND	U	0.457	0.500	mg/kg dry
Benzo(a)anthracene	SW 846 8270E	05/13/21 07:59	05/13/21 19:54	ND	U	0.0201	0.200	mg/kg dry
Benzo(a)pyrene	SW 846 8270E	05/13/21 07:59	05/13/21 19:54	ND	U	0.0348	0.200	mg/kg dry
Benzo(b)fluoranthene	SW 846 8270E	05/13/21 07:59	05/13/21 19:54	ND	U	0.0281	0.200	mg/kg dry
Benzo(g,h,i)perylene	SW 846 8270E	05/13/21 07:59	05/13/21 19:54	ND	U	0.0162	0.200	mg/kg dry
Benzo(k)fluoranthene	SW 846 8270E	05/13/21 07:59	05/13/21 19:54	ND	U	0.0230	0.200	mg/kg dry
Biphenyl	SW 846 8270E	05/13/21 07:59	05/13/21 19:54	ND	U	0.0176	0.200	mg/kg dry

FootNotes

RL - Reporting limit
MDL - Minimum detection limit
ND, U - Indicates compound analyzed for but not detected
J - Indicates estimated value

B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
H - Indicates a Hold Time violation

Analytical Results Summary

Pompton Lakes, NJ
1050567-01 (Aggregate)

21L079

Collected
05/12/2021 08:30

Received
05/12/2021 12:50

Contact
Prakash Khaitan

Lab Section/ Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
BNA+25 Semivolatile Organics - GC/MS								
bis(2-chloroethoxy)methane	SW 846 8270E	05/13/21 07:59	05/13/21 19:54	ND	U	0.0276	0.200	mg/kg dry
bis(2-chloroethyl)ether	SW 846 8270E	05/13/21 07:59	05/13/21 19:54	ND	U	0.0219	0.200	mg/kg dry
bis(2-chloroisopropyl)ether	SW 846 8270E	05/13/21 07:59	05/13/21 19:54	ND	U	0.0719	0.200	mg/kg dry
bis(2-ethylhexyl)phthalate	SW 846 8270E	05/13/21 07:59	05/13/21 19:54	ND	U	0.0399	0.200	mg/kg dry
Butylbenzylphthalate	SW 846 8270E	05/13/21 07:59	05/13/21 19:54	ND	U	0.0182	0.200	mg/kg dry
Caprolactam	SW 846 8270E	05/13/21 07:59	05/13/21 19:54	ND	U	0.0258	0.200	mg/kg dry
Carbazole	SW 846 8270E	05/13/21 07:59	05/13/21 19:54	ND	U	0.0384	0.500	mg/kg dry
Chrysene	SW 846 8270E	05/13/21 07:59	05/13/21 19:54	ND	U	0.0137	0.200	mg/kg dry
Dibenzo(a,h)anthracene	SW 846 8270E	05/13/21 07:59	05/13/21 19:54	ND	U	0.0198	0.200	mg/kg dry
Dibenzofuran	SW 846 8270E	05/13/21 07:59	05/13/21 19:54	ND	U	0.0119	0.200	mg/kg dry
Diethylphthalate	SW 846 8270E	05/13/21 07:59	05/13/21 19:54	0.0797	J	0.0387	0.200	mg/kg dry
Dimethylphthalate	SW 846 8270E	05/13/21 07:59	05/13/21 19:54	ND	U	0.0124	0.200	mg/kg dry
Di-n-butylphthalate	SW 846 8270E	05/13/21 07:59	05/13/21 19:54	ND	U	0.0817	0.200	mg/kg dry
Di-n-octylphthalate	SW 846 8270E	05/13/21 07:59	05/13/21 19:54	ND	U	0.0410	0.200	mg/kg dry
Fluoranthene	SW 846 8270E	05/13/21 07:59	05/13/21 19:54	ND	U	0.0188	0.200	mg/kg dry
Fluorene	SW 846 8270E	05/13/21 07:59	05/13/21 19:54	ND	U	0.0167	0.200	mg/kg dry
Hexachlorobenzene	SW 846 8270E	05/13/21 07:59	05/13/21 19:54	ND	U	0.0261	0.200	mg/kg dry
Hexachlorobutadiene	SW 846 8270E	05/13/21 07:59	05/13/21 19:54	ND	U	0.0959	0.200	mg/kg dry
Hexachlorocyclopentadiene	SW 846 8270E	05/13/21 07:59	05/13/21 19:54	ND	U	0.0833	0.500	mg/kg dry
Hexachloroethane	SW 846 8270E	05/13/21 07:59	05/13/21 19:54	ND	U	0.0219	0.200	mg/kg dry
Indeno(1,2,3-cd)pyrene	SW 846 8270E	05/13/21 07:59	05/13/21 19:54	ND	U	0.0215	0.200	mg/kg dry
Isophorone	SW 846 8270E	05/13/21 07:59	05/13/21 19:54	ND	U	0.0131	0.200	mg/kg dry
Naphthalene	SW 846 8270E	05/13/21 07:59	05/13/21 19:54	ND	U	0.0148	0.200	mg/kg dry
Nitrobenzene	SW 846 8270E	05/13/21 07:59	05/13/21 19:54	ND	U	0.0339	0.200	mg/kg dry
n-Nitroso-dimethylamine	SW 846 8270E	05/13/21 07:59	05/13/21 19:54	ND	U	0.0712	0.200	mg/kg dry
n-Nitroso-di-n-propylamine	SW 846 8270E	05/13/21 07:59	05/13/21 19:54	ND	U	0.0107	0.200	mg/kg dry
n-Nitrosodiphenylamine	SW 846 8270E	05/13/21 07:59	05/13/21 19:54	ND	U	0.0426	0.200	mg/kg dry
Pentachlorophenol	SW 846 8270E	05/13/21 07:59	05/13/21 19:54	ND	U	0.0275	0.500	mg/kg dry
Phenanthrene	SW 846 8270E	05/13/21 07:59	05/13/21 19:54	ND	U	0.0263	0.200	mg/kg dry
Phenol	SW 846 8270E	05/13/21 07:59	05/13/21 19:54	ND	U	0.0162	0.200	mg/kg dry
Pyrene	SW 846 8270E	05/13/21 07:59	05/13/21 19:54	ND	U	0.0147	0.200	mg/kg dry

Pesticides

4,4'-DDD	SW 846 8081B	05/13/21 10:49	05/13/21 23:48	ND	U	0.000893	0.00195	mg/kg dry
4,4'-DDE	SW 846 8081B	05/13/21 10:49	05/13/21 23:48	ND	U	0.00107	0.00195	mg/kg dry
4,4'-DDT	SW 846 8081B	05/13/21 10:49	05/13/21 23:48	ND	U	0.00138	0.00195	mg/kg dry
Aldrin	SW 846 8081B	05/13/21 10:49	05/13/21 23:48	ND	U	0.000925	0.00195	mg/kg dry

FootNotes

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D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
H - Indicates a Hold Time violation

Analytical Results Summary

Pompton Lakes, NJ
1050567-01 (Aggregate)

21L079

Collected
05/12/2021 08:30

Received
05/12/2021 12:50

Contact
Prakash Khaitan

Lab Section/ Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
Pesticides								
alpha-BHC	SW 846 8081B	05/13/21 10:49	05/13/21 23:48	ND	U	0.000581	0.00195	mg/kg dry
beta-BHC	SW 846 8081B	05/13/21 10:49	05/13/21 23:48	ND	U	0.000932	0.00195	mg/kg dry
Chlordane	SW 846 8081B	05/13/21 10:49	05/13/21 23:48	ND	U	0.000868	0.00195	mg/kg dry
delta-BHC	SW 846 8081B	05/13/21 10:49	05/13/21 23:48	ND	U	0.000907	0.00195	mg/kg dry
Dieldrin	SW 846 8081B	05/13/21 10:49	05/13/21 23:48	ND	U	0.00102	0.00195	mg/kg dry
Endosulfan I	SW 846 8081B	05/13/21 10:49	05/13/21 23:48	ND	U	0.000922	0.00195	mg/kg dry
Endosulfan II	SW 846 8081B	05/13/21 10:49	05/13/21 23:48	ND	U	0.000887	0.00195	mg/kg dry
Endosulfan sulfate	SW 846 8081B	05/13/21 10:49	05/13/21 23:48	ND	U	0.000734	0.00195	mg/kg dry
Endrin	SW 846 8081B	05/13/21 10:49	05/13/21 23:48	ND	U	0.000674	0.00195	mg/kg dry
Endrin aldehyde	SW 846 8081B	05/13/21 10:49	05/13/21 23:48	ND	U	0.000778	0.00195	mg/kg dry
Endrin ketone	SW 846 8081B	05/13/21 10:49	05/13/21 23:48	ND	U	0.000688	0.00195	mg/kg dry
gamma-BHC (Lindane)	SW 846 8081B	05/13/21 10:49	05/13/21 23:48	ND	U	0.000619	0.00195	mg/kg dry
Heptachlor	SW 846 8081B	05/13/21 10:49	05/13/21 23:48	ND	U	0.000523	0.00195	mg/kg dry
Heptachlor Epoxide	SW 846 8081B	05/13/21 10:49	05/13/21 23:48	ND	U	0.000985	0.00195	mg/kg dry
Methoxychlor	SW 846 8081B	05/13/21 10:49	05/13/21 23:48	ND	U	0.000572	0.00195	mg/kg dry
Toxaphene	SW 846 8081B	05/13/21 10:49	05/13/21 23:48	ND	U	0.0940	0.0991	mg/kg dry
PCBs								
Aroclor-1016	SW 846 8082A	05/13/21 10:49	05/14/21 14:05	ND	U	0.00665	0.0495	mg/kg dry
Aroclor-1221	SW 846 8082A	05/13/21 10:49	05/14/21 14:05	ND	U	0.0131	0.0495	mg/kg dry
Aroclor-1232	SW 846 8082A	05/13/21 10:49	05/14/21 14:05	ND	U	0.0166	0.0495	mg/kg dry
Aroclor-1242	SW 846 8082A	05/13/21 10:49	05/14/21 14:05	ND	U	0.00974	0.0495	mg/kg dry
Aroclor-1248	SW 846 8082A	05/13/21 10:49	05/14/21 14:05	ND	U	0.0102	0.0495	mg/kg dry
Aroclor-1254	SW 846 8082A	05/13/21 10:49	05/14/21 14:05	ND	U	0.00800	0.0495	mg/kg dry
Aroclor-1260	SW 846 8082A	05/13/21 10:49	05/14/21 14:05	ND	U	0.00620	0.0495	mg/kg dry
Aroclor-1262	SW 846 8082A	05/13/21 10:49	05/14/21 14:05	ND	U	0.0133	0.0495	mg/kg dry
Aroclor-1268	SW 846 8082A	05/13/21 10:49	05/14/21 14:05	ND	U	0.00599	0.0495	mg/kg dry
Total PCBs	SW 846 8082A	05/13/21 10:49	05/14/21 14:05	ND	U	0.00463	0.0495	mg/kg dry
VO+15 Volatile Organics - GC/MS								
1,1,1-Trichloroethane	SW 846 8260D	05/24/21 23:00	05/24/21 23:00	ND	U	0.000292	0.00200	mg/kg dry
1,1,2,2-Tetrachloroethane	SW 846 8260D	05/24/21 23:00	05/24/21 23:00	ND	U	0.000276	0.00200	mg/kg dry
1,1,2-Trichloro-1,2,2 Trifluoroethane	SW 846 8260D	05/24/21 23:00	05/24/21 23:00	ND	U	0.000857	0.00200	mg/kg dry
1,1,2-Trichloroethane	SW 846 8260D	05/24/21 23:00	05/24/21 23:00	ND	U	0.000337	0.00200	mg/kg dry
1,1-Dichloroethane	SW 846 8260D	05/24/21 23:00	05/24/21 23:00	ND	U	0.000292	0.00200	mg/kg dry
1,1-Dichloroethene	SW 846 8260D	05/24/21 23:00	05/24/21 23:00	ND	U	0.000370	0.00200	mg/kg dry

FootNotes

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Analytical Results Summary

Pompton Lakes, NJ
1050567-01 (Aggregate)

21L079

Collected
05/12/2021 08:30

Received
05/12/2021 12:50

Contact
Prakash Khaitan

Lab Section/ Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
VO+15 Volatile Organics - GC/MS								
1,2,3-Trichlorobenzene	SW 846 8260D	05/24/21 23:00	05/24/21 23:00	ND	U	0.000432	0.00200	mg/kg dry
1,2,4-Trichlorobenzene	SW 846 8260D	05/24/21 23:00	05/24/21 23:00	ND	U	0.000534	0.00200	mg/kg dry
1,2,4-Trimethylbenzene	SW 846 8260D	05/24/21 23:00	05/24/21 23:00	ND	U	0.000276	0.00200	mg/kg dry
1,2-Dibromo-3-chloropropane	SW 846 8260D	05/24/21 23:00	05/24/21 23:00	ND	U	0.000488	0.00500	mg/kg dry
1,2-Dibromoethane	SW 846 8260D	05/24/21 23:00	05/24/21 23:00	ND	U	0.000252	0.00200	mg/kg dry
1,2-Dichlorobenzene	SW 846 8260D	05/24/21 23:00	05/24/21 23:00	ND	U	0.000353	0.00200	mg/kg dry
1,2-Dichloroethane	SW 846 8260D	05/24/21 23:00	05/24/21 23:00	ND	U	0.000282	0.00200	mg/kg dry
1,2-Dichloropropane	SW 846 8260D	05/24/21 23:00	05/24/21 23:00	ND	U	0.000328	0.00200	mg/kg dry
1,3,5-Trimethylbenzene	SW 846 8260D	05/24/21 23:00	05/24/21 23:00	ND	U	0.000314	0.00200	mg/kg dry
1,3-Dichlorobenzene	SW 846 8260D	05/24/21 23:00	05/24/21 23:00	ND	U	0.000147	0.00200	mg/kg dry
1,4-Dichlorobenzene	SW 846 8260D	05/24/21 23:00	05/24/21 23:00	ND	U	0.000288	0.00200	mg/kg dry
2-Butanone	SW 846 8260D	05/24/21 23:00	05/24/21 23:00	ND	U	0.000326	0.00500	mg/kg dry
2-Hexanone	SW 846 8260D	05/24/21 23:00	05/24/21 23:00	ND	U	0.000187	0.00200	mg/kg dry
4-Isopropyltoluene	SW 846 8260D	05/24/21 23:00	05/24/21 23:00	ND	U	0.000353	0.00200	mg/kg dry
4-Methyl-2-pentanone	SW 846 8260D	05/24/21 23:00	05/24/21 23:00	ND	U	0.000250	0.00200	mg/kg dry
Acetone	SW 846 8260D	05/24/21 23:00	05/24/21 23:00	ND	U	0.000607	0.00500	mg/kg dry
Acrolein	SW 846 8260D	05/24/21 23:00	05/24/21 23:00	ND	U	0.00108	0.00200	mg/kg dry
Acrylonitrile	SW 846 8260D	05/24/21 23:00	05/24/21 23:00	ND	U	0.000467	0.00200	mg/kg dry
Benzene	SW 846 8260D	05/24/21 23:00	05/24/21 23:00	ND	U	0.000182	0.00200	mg/kg dry
Bromochloromethane	SW 846 8260D	05/24/21 23:00	05/24/21 23:00	ND	U	0.000369	0.00200	mg/kg dry
Bromodichloromethane	SW 846 8260D	05/24/21 23:00	05/24/21 23:00	ND	U	0.000251	0.00200	mg/kg dry
Bromoform	SW 846 8260D	05/24/21 23:00	05/24/21 23:00	ND	U	0.000351	0.00200	mg/kg dry
Bromomethane	SW 846 8260D	05/24/21 23:00	05/24/21 23:00	ND	U	0.000578	0.00200	mg/kg dry
Carbon disulfide	SW 846 8260D	05/24/21 23:00	05/24/21 23:00	ND	U	0.000287	0.00200	mg/kg dry
Carbon Tetrachloride	SW 846 8260D	05/24/21 23:00	05/24/21 23:00	ND	U	0.000301	0.00200	mg/kg dry
Chlorobenzene	SW 846 8260D	05/24/21 23:00	05/24/21 23:00	ND	U	0.000290	0.00200	mg/kg dry
Chlorodibromomethane	SW 846 8260D	05/24/21 23:00	05/24/21 23:00	ND	U	0.000246	0.00200	mg/kg dry
Chloroethane	SW 846 8260D	05/24/21 23:00	05/24/21 23:00	ND	U	0.000341	0.00200	mg/kg dry
Chloroform	SW 846 8260D	05/24/21 23:00	05/24/21 23:00	ND	U	0.000336	0.00200	mg/kg dry
Chloromethane	SW 846 8260D	05/24/21 23:00	05/24/21 23:00	ND	U	0.000771	0.00200	mg/kg dry
cis-1,2-Dichloroethene	SW 846 8260D	05/24/21 23:00	05/24/21 23:00	ND	U	0.0000968	0.00200	mg/kg dry
cis-1,3-Dichloropropene	SW 846 8260D	05/24/21 23:00	05/24/21 23:00	ND	U	0.000253	0.00200	mg/kg dry
Cyclohexane	SW 846 8260D	05/24/21 23:00	05/24/21 23:00	ND	U	0.000443	0.00200	mg/kg dry
Dichlorodifluoromethane	SW 846 8260D	05/24/21 23:00	05/24/21 23:00	ND	U	0.000676	0.00200	mg/kg dry
EthylBenzene	SW 846 8260D	05/24/21 23:00	05/24/21 23:00	ND	U	0.000271	0.00200	mg/kg dry
Isopropylbenzene	SW 846 8260D	05/24/21 23:00	05/24/21 23:00	ND	U	0.000314	0.00200	mg/kg dry
m+p-Xylenes	SW 846 8260D	05/24/21 23:00	05/24/21 23:00	ND	U	0.000506	0.00400	mg/kg dry
Methyl Acetate	SW 846 8260D	05/24/21 23:00	05/24/21 23:00	ND	U	0.000265	0.00200	mg/kg dry

FootNotes

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D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
H - Indicates a Hold Time violation



AQUA PRO-TECH LABORATORIES
Certified Environmental Testing

Analytical Results Summary

Pompton Lakes, NJ
1050567-01 (Aggregate)

21L079

Collected
05/12/2021 08:30

Received
05/12/2021 12:50

Contact
Prakash Khaitan

Lab Section/ Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
VO+15 Volatile Organics - GC/MS								
Methyl tert-Butyl Ether	SW 846 8260D	05/24/21 23:00	05/24/21 23:00	ND	U	0.000338	0.00200	mg/kg dry
Methylcyclohexane	SW 846 8260D	05/24/21 23:00	05/24/21 23:00	ND	U	0.000322	0.00200	mg/kg dry
Methylene Chloride	SW 846 8260D	05/24/21 23:00	05/24/21 23:00	ND	U	0.000602	0.00200	mg/kg dry
n-Butylbenzene	SW 846 8260D	05/24/21 23:00	05/24/21 23:00	ND	U	0.000411	0.00200	mg/kg dry
n-Propylbenzene	SW 846 8260D	05/24/21 23:00	05/24/21 23:00	ND	U	0.000272	0.00200	mg/kg dry
o-Xylene	SW 846 8260D	05/24/21 23:00	05/24/21 23:00	ND	U	0.000257	0.00200	mg/kg dry
sec-Butylbenzene	SW 846 8260D	05/24/21 23:00	05/24/21 23:00	ND	U	0.000259	0.00200	mg/kg dry
Styrene	SW 846 8260D	05/24/21 23:00	05/24/21 23:00	ND	U	0.000286	0.00200	mg/kg dry
tert-Butyl alcohol	SW 846 8260D	05/24/21 23:00	05/24/21 23:00	ND	U	0.00420	0.0200	mg/kg dry
tert-Butylbenzene	SW 846 8260D	05/24/21 23:00	05/24/21 23:00	ND	U	0.000320	0.00200	mg/kg dry
Tetrachloroethene	SW 846 8260D	05/24/21 23:00	05/24/21 23:00	ND	U	0.000198	0.00200	mg/kg dry
Toluene	SW 846 8260D	05/24/21 23:00	05/24/21 23:00	ND	U	0.000161	0.00200	mg/kg dry
Total Xylenes	SW 846 8260D	05/24/21 23:00	05/24/21 23:00	ND	U	0.000257	0.00200	mg/kg dry
trans-1,2-Dichloroethene	SW 846 8260D	05/24/21 23:00	05/24/21 23:00	ND	U	0.000271	0.00200	mg/kg dry
trans-1,3-Dichloropropene	SW 846 8260D	05/24/21 23:00	05/24/21 23:00	ND	U	0.000382	0.00200	mg/kg dry
Trichloroethene	SW 846 8260D	05/24/21 23:00	05/24/21 23:00	ND	U	0.000294	0.00200	mg/kg dry
Trichlorofluoromethane	SW 846 8260D	05/24/21 23:00	05/24/21 23:00	ND	U	0.000230	0.00200	mg/kg dry
Vinyl chloride	SW 846 8260D	05/24/21 23:00	05/24/21 23:00	ND	U	0.000380	0.00200	mg/kg dry

FootNotes

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State of New Jersey
Department of Labor and Workforce Development

Certificate No. 004854
Expiration Date 3/31/2022

MINE REGISTRATION CERTIFICATE

ISSUED TO: TILCON NEW YORK INC-RIVERDALE QUARRY
125 HAMBURG TURNPIKE BLK NO(S): 13 & 12
RIVERDALE, NJ LOT NO(S): 26, 26, 27, 29 & 3
COUNTY: MORRIS

Issued pursuant to the provisions of N.J.S.A. 34:6-98.1 et. seq. Failure to comply with the provisions of the Act, and the Rules promulgated thereunder, shall be good cause for the revocation of this Certificate.

Robert Asaro-Angelo

Commissioner

THIS CERTIFICATE MUST BE POSTED AT ALL TIMES

S & S ENVIRONMENTAL SCIENCES, INC.

Environmental Engineering, Testing and Consultation

98 Sand Park Road, Cedar Grove, NJ 07009
Tel (973) 857-7188 Fax (973) 239-8380

Kamil Sor, Ph.D.
Orhun Sor, P.E.
Atilla Sencar, P.E.

This report is the confidential property of the Client, and information contained may not be published or reproduced without our written permission.

Client:	Tilcon New York, Inc.			
Project:	Riverdale, NJ (NJDEP-SRS)			
Subject:	Laboratory Analysis of Aggregate Sample (Screenings)-NJ			
Job No.:	21-E-02	Report Number:	21-E-07	Date: 3-31-2021

We present herewith the laboratory test results of an aggregate sample delivered to our laboratory (identified as Screenings) on March 23, 2021. The sample was collected by a representative of Tilcon NY, on the same day.

As requested, the aggregate sample was analyzed for the U.S. EPA Target Compound List (TCL)+30/Target Analyte List (TAL) parameters, Extractable Petroleum Hydrocarbons (EPH), pH, and Hexavalent Chromium. The analyses were performed by Integrated Analytical Laboratories, LLC (IAL) (NJDEP Lab ID No. 14751). The copies of the IAL/S&S sample chain-of-custody forms, the preliminary IAL laboratory summary report and NJDEP-SRS comparison tables are attached.

Review of the laboratory data and comparison of the sample test results to the NJDEP Residential Direct Contact Soil Remediation Standards (RDSCRS) indicated that the aggregate sample **meet** the **NJDEP-RDSCRS**.

If there are any questions or if we can be of further assistance in this matter, please contact us.

Very truly yours,
S & S ENVIRONMENTAL SCIENCES, INC.



Kamil Sor, Ph.D.
President

KS/ag

Attachments:

- (1) Sample Chain-of-Custody Forms, Laboratory Summary Reports, and NJDEP-SRS Comparison Tables

cc: (1) Client

Attention: Ms. Cindy LaFleur

email: clafleur@tilconny.com

S&S ENVIRONMENTAL SCIENCES, INC.

Environmental Engineering, Testing and Consultation

98 Sand Park Rad, Cedar Grove, NJ 07009

Tel (973) 857-7188 Fax (973) 239-8380

NJDEP Lab Certification No. 07073

SAMPLE CHAIN OF CUSTODY

CLIENT:	TILCON NY	DATE:	3/23/21
ADDRESS:		SSES JOB NO.	
CONTACT:	CINDY LAFEUR	TEL. #:	
PROJECT:	RIVERDALE - SCREENINGS	PROJECT LAB ID #:	21-013

SAMPLE NUMBER	SAMPLING DATE	SAMPLING TIME	SAMPLE TYPE	NO. OF BOTTLES	ANALYSES REQUESTED
1	3/23/21	0730	Abb		NY/MS 6/22/21

Comments:

PRESERVATIVE	
Cooled at 4°C?	
HCl	
HNO ₃	
H ₂ SO ₄	
NaOH	
Na ₂ S ₂ O ₃	
Other	

pH Meter No.:	Reading	T°C	Time	Analyst
pH				
pH Dup.				

Sampled By:

RELINQUISHED BY:



RECEIVED BY:



DATE AND TIME:

3/23/21 9:00



Integrated Analytical Labs
273 Franklin Road
Randolph, NJ 07869

Chain of Custody Record

Contact Us: 973-361-4252
Fax: 973-989-5288
Web: www.ialonline.com

Customer Information			Reporting Information			Deliverables			EDDs			Concentrations Expected		
Company:	SJS		REPORT TO:			24 hr - 100%...	NY							
Address:			Address:			48 hr - 75%...	ASP Category							
Telephone #:	973-239-6001		Attn:			72 hr - 50%...	Results Only							
Fax #:			FAX #:			96 hr - 35%...	Reduced							
Project Manager:	Ab		INVOICE TO:			5 day - 25%...	Regulatory/Full							
EMAIL Address:			Address:			6-9 day - 10%								
Project Name:	Riverdale		Attn:											
Project Location (State):	NJ		PO #	21-013										
Bottle Order #:			Quote #											
*Report to "Invoice To" same as above														
Sampled by:			Sample Matrix											
COMPLETED BY IAL:			Oil - Oil											
Field Sampling			S - Soil											
Equipment Rental			SQL - Solid											
SAMPLE INFORMATION			SL - Sludge											
Client ID	Depth (ft only)	Sampling	Date	Time	Matrix	Containers	IAL #							
21-013		363/10730	30C			5	1							
Known Hazard: YES / NO			Preservative Code:			Preservative (use code)			Container Type (use code)			SDG #:		
Describe:			1 = None 2 = HCl 3 = HNO3 4 = MeOH 5 = NaOH 6 = H2SO4 7 = Other			Special Instructions/QC Requirements & Comments: (4) Including NTPET-508 + NY Cleanfill Parameters SOL - QUARRY SCREENING			FOR LAB USE ONLY			1672		
Please print legibly and fill out completely. Samples cannot be processed and the turnaround time (TAT) will not start until any ambiguities have been resolved. TAT starts the following day if samples rec'd at lab > 5PM. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY IAL'S TERMS & CONDITIONS (found on rear of pink copy).			Carrier (check one): ☐ IAL Courier ☐ Client Courier ☐ FedEx/UPS**			Relinquished by (Signature and Company) [Signature] 1300			Received by (Signature and Company) [Signature] 1300			Cooler Temp: 5 °C		
Tracing #:			Certification ID: TNI (TN107284); CT (PH 0695); NJ (14751); NY (11402); PA (66-00773).			PAGE: 1 of 1								

SAMPLE RECEIPT VERIFICATION

CASE NO: E 21

01672

CLIENT:

S&S

COOLER TEMPERATURE: 2° - 6°C: ☒

(See Chain of Custody)

Comments

COC: COMPLETE / INCOMPLETE
KEY

☒ = YES/NA
☒ = NO

VOA received: ☐ Encore

☐ IGW - Methanol

(check one) ☒ Terra Core

☐ No Preservative

- ☒ Bottles Intact
- ☒ no-Missing Bottles
- ☒ no-Extra Bottles

- ☒ Sufficient Sample Volume
- ☒ no-headspace/bubbles in VOs
- ☒ Labels intact/correct
- ☒ pH Check¹ (refer to Receipt pH Log)
- ☒ Correct bottles/preservative
- ☒ Sufficient Holding/Prep Time¹

- ☐ Multiphasic Sample
- ☐ Sample to be Subcontracted
- ☒ Chain of Custody is Clear

¹ All samples with "Analyze Immediately" holding times will be analyzed by this laboratory past the holding time. This includes but is not limited to the following tests: pH, Temperature, Free Residual Chlorine, Total Residual Chlorine, Dissolved Oxygen, Sulfite.

ADDITIONAL COMMENTS:

SAMPLE(S) VERIFIED BY:

INITIAL

AS

DATE

3/23/21

CORRECTIVE ACTION REQUIRED:

YES

☐

(SEE BELOW)

NO

☒

If COC is **NOT** clear, **STOP** until you get client to authorize/clarify work.

CLIENT NOTIFIED:

YES

☐

Date/ Time:

NO

☐

PROJECT CONTACT:

SUBCONTRACTED LAB:

DATE SHIPPED:

ADDITIONAL COMMENTS:

VERIFIED/TAKEN BY:

INITIAL

KJ

DATE

3/24/21

SUMMARY REPORT
Client: S & S Environmental
Project: RIVERDALE
Lab Case No.: E21-01672

	Lab ID:	01672-001		
	Client ID:	21-013		
	Matrix:	Solid		
	Sampled Date	3/23/21		
PARAMETER(Units)	Conc	Q	MDL	
Volatiles (Units)		(mg/Kg)		
TOTAL VO's:	ND			
TOTAL TIC's:	ND			
TOTAL VO's & TIC's:	ND			
Semivolatiles - BNA (Units)		(mg/Kg)		
TOTAL BNA'S:	ND			
TOTAL TIC's:	ND			
TOTAL BNA'S & TIC's:	ND			
PCB's (Units)		(mg/Kg)		
Aroclor-1016	ND		0.00126	
Aroclor-1221	ND		0.00126	
Aroclor-1232	ND		0.00126	
Aroclor-1242	ND		0.00126	
Aroclor-1248	ND		0.00126	
Aroclor-1254	ND		0.00126	
Aroclor-1260	ND		0.00126	
Aroclor-1262	ND		0.00126	
Aroclor-1268	ND		0.00126	
PCBs	ND		0.00126	

ND = Analyzed for but Not Detected at the MDL

All qualifiers on individual Volatiles & Semivolatiles are carried down through summation.

SUMMARY REPORT
Client: S & S Environmental
Project: RIVERDALE
Lab Case No.: E21-01672

	Lab ID:	01672-001		
	Client ID:	21-013		
	Matrix:	Solid		
	Sampled Date	3/23/21		
PARAMETER(Units)	Conc	Q	MDL	
Pesticides (Units)	(mg/Kg)			
alpha-BHC	ND		0.000316	
beta-BHC	ND		0.000316	
gamma-BHC (Lindane)	ND		0.000316	
delta-BHC	ND		0.000316	
Heptachlor	ND		0.000316	
Aldrin	ND		0.000316	
Heptachlor epoxide	ND		0.000316	
Endosulfan I	ND		0.000316	
4,4'-DDE	ND		0.000316	
Dieldrin	ND		0.000316	
Endrin	ND		0.000316	
Endosulfan II	ND		0.000316	
4,4'-DDD	ND		0.000316	
Endrin aldehyde	ND		0.000316	
Endosulfan sulfate	ND		0.000316	
4,4'-DDT	ND		0.000316	
Endrin ketone	ND		0.000316	
Methoxychlor	ND		0.000316	
alpha-Chlordane	ND		0.000316	
gamma-Chlordane	ND		0.000316	
Toxaphene	ND		0.00379	
Endosulfan (I and II)	ND		0.000316	
Chlordane (alpha and gamma)	ND		0.000316	
NJ-EPH-C40 (Units)	(mg/Kg)			
C9-C40	19.9	J	19.5	

ND = Analyzed for but Not Detected at the MDL

J = Concentration detected at a value below the RL and above the MDL for target compounds. For non-target compounds (i.e. TICs), qualifier indicates estimated concentrations.

SUMMARY REPORT
Client: S & S Environmental
Project: RIVERDALE
Lab Case No.: E21-01672

		Lab ID:	01672-001	
		Client ID:	21-013	
		Matrix:	Solid	
		Sampled Date	3/23/21	
PARAMETER(Units)	Conc	Q	MDL	
Metals (Units)	(mg/Kg)			
Aluminum	9740		2.00	
Antimony	ND		0.200	
Arsenic	0.923		0.150	
Barium	80.5		0.250	
Beryllium	0.447	J	0.150	
Cadmium	ND		0.300	
Calcium	6920		15.0	
Chromium	33.5		0.250	
Cobalt	12.1		0.150	
Copper	45.1		0.350	
Iron	24300		15.0	
Lead	2.02		0.250	
Magnesium	7190		15.0	
Manganese	178		0.350	
Mercury	ND		0.010	
Nickel	39.8		0.350	
Potassium	4590		20.0	
Selenium	3.19	J	1.50	
Silver	ND		0.300	
Sodium	280		20.0	
Thallium	0.304	J	0.250	
Vanadium	31.1		0.250	
Zinc	22.7		1.00	
General Analytical (Units)				
Hexavalent Chromium(mg/Kg)	ND		0.378	
Cyanide, Total(mg/Kg)	ND		0.481	
pH/Corrosivity(SU)	8.13		NA	
Trivalent (III) Chromium(mg/Kg)	33.5		0.378	

ND = Analyzed for but Not Detected at the MDL

J = Concentration detected at a value below the RL and above the MDL for target compounds. For non-target compounds (i.e. TICs), qualifier indicates estimated concentrations.

All qualifiers on individual Volatiles & Semivolatiles are carried down through summation.

Sample #: Field ID: Lab ID: Date Sampled: Depth(ft):	NJDEP SOIL REMEDIATION STANDARDS				21-013		
	CAS	Residential SRS (mg/Kg)	Non-Res SRS (mg/Kg)	Default IGW Screening Level (mg/Kg)	Conc	Q	MDL
Volatiles (mg/Kg)							
Dichlorodifluoromethane	75-71-8	490	230000	39	ND	0.00099	0.000384
Chloromethane	74-87-3	4	12	NS	ND	0.00099	0.000422
Vinyl chloride	75-01-4	0.7	2	0.005	ND	0.00099	0.00042
Bromomethane	74-83-9	25	59	0.04	ND	0.00099	0.000592
Chloroethane	75-00-3	220	1100	NS	ND	0.00099	0.000471
Trichlorofluoromethane	75-69-4	23000	340000	34	ND	0.00099	0.000398
Acrolein	107-02-8	0.5	1	0.5	ND	0.020	0.0048
1,1-Dichloroethene	75-35-4	11	150	0.008	ND	0.00099	0.000404
Acetone	67-64-1	70000	NS	19	ND	0.00396	0.00253
Carbon disulfide	75-15-0	7800	110000	6	ND	0.00099	0.00025
Methylene chloride	75-09-2	46	230	0.01	ND	0.00198	0.00192
Acrylonitrile	107-13-1	0.9	3	0.5	ND	0.020	0.00426
tert-Butyl alcohol (TBA)	75-65-0	1400	11000	0.3	ND	0.00198	0.00101
trans-1,2-Dichloroethene	156-60-5	300	720	0.6	ND	0.00099	0.000396
Methyl tert-butyl ether (MTBE)	1634-04-4	110	320	0.2	ND	0.00099	0.000294
1,1-Dichloroethane	75-34-3	8	24	0.2	ND	0.00099	0.000361
cis-1,2-Dichloroethene	156-59-2	230	560	0.3	ND	0.00099	0.000343
2-Butanone (MEK)	78-93-3	3100	44000	0.9	ND	0.00198	0.000941
Bromochloromethane	74-97-5	NS	NS	NS	ND	0.00099	0.000288
Chloroform	67-66-3	0.6	2	0.4	ND	0.00099	0.000557
1,1,1-Trichloroethane	71-55-6	160000	NS	0.3	ND	0.00099	0.00028
Carbon tetrachloride	56-23-5	2	4	0.005	ND	0.00099	0.000273
1,2-Dichloroethane (EDC)	107-06-2	0.9	3	0.005	ND	0.00099	0.000375
Benzene	71-43-2	2	5	0.005	ND	0.00099	0.000215
Trichloroethene	79-01-6	3	10	0.01	ND	0.00099	0.000289
1,2-Dichloropropane	78-87-5	2	5	0.005	ND	0.00099	0.000232
1,4-Dioxane	123-91-1	NS	NS	NS	ND	0.198	0.036
Bromodichloromethane	75-27-4	1	3	0.005	ND	0.00099	0.000198
cis-1,3-Dichloropropene	10061-01-5	NS	NS	NS	ND	0.00099	0.000213
4-Methyl-2-pentanone (MIBK)	108-10-1	NS	NS	NS	ND	0.00396	0.000727
Toluene	108-88-3	6300	91000	7	ND	0.00099	0.000227
trans-1,3-Dichloropropene	10061-02-6	NS	NS	NS	ND	0.00099	0.000256
1,1,2-Trichloroethane	79-00-5	2	6	0.02	ND	0.00099	0.000304
Tetrachloroethene	127-18-4	43	1500	0.005	ND	0.00099	0.00037
1,3-Dichloropropane	142-28-9	NS	NS	NS	ND	0.00099	0.000256
2-Hexanone	591-78-6	NS	NS	NS	ND	0.00396	0.00152
Dibromochloromethane	124-48-1	3	8	0.005	ND	0.00099	0.000272
1,2-Dibromoethane (EDB)	106-93-4	0.008	0.04	0.005	ND	0.00099	0.000196

Sample #: Field ID: Lab ID: Date Sampled: Depth(ft):	NJDEP SOIL REMEDIATION STANDARDS				21-013	
	CAS	Residential SRS (mg/Kg)	Non-Res SRS (mg/Kg)	Default IGW Screening Level (mg/Kg)	01672-001 03/23/2021	
Chlorobenzene	108-90-7	510	7400	0.6	ND	0.00099
Ethylbenzene	100-41-4	7800	110000	13	ND	0.00099
Total Xylenes	1330-20-7	12000	170000	19	ND	0.00198
Styrene	100-42-5	90	260	3	ND	0.00198
Bromoform	75-25-2	81	280	0.03	ND	0.00099
Isopropylbenzene	98-82-8	NS	NS	NS	ND	0.00198
1,1,2,2-Tetrachloroethane	79-34-5	1	3	0.007	ND	0.00099
1,2,3-Trichloropropane	96-18-4	NS	NS	NS	ND	0.00099
n-Propylbenzene	103-65-1	NS	NS	NS	ND	0.00099
1,3,5-Trimethylbenzene	108-67-8	NS	NS	NS	ND	0.00099
tert-Butylbenzene	98-06-6	NS	NS	NS	ND	0.00198
1,2,4-Trimethylbenzene	95-63-6	NS	NS	NS	ND	0.00198
sec-Butylbenzene	135-98-8	NS	NS	NS	ND	0.00198
1,3-Dichlorobenzene	541-73-1	5300	59000	19	ND	0.00099
4-Isopropyltoluene	99-87-6	NS	NS	NS	ND	0.00198
1,4-Dichlorobenzene	106-46-7	5	13	2	ND	0.00099
n-Butylbenzene	104-51-8	NS	NS	NS	ND	0.00198
1,2-Dichlorobenzene	95-50-1	5300	59000	17	ND	0.00099
1,2-Dibromo-3-chloropropane	96-12-8	0.08	0.2	0.005	ND	0.00099
1,2,4-Trichlorobenzene	120-82-1	73	820	0.7	ND	0.00099
1,2,3-Trichlorobenzene	87-61-6	NS	NS	NS	ND	0.00099
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	NS	NS	NS	ND	0.00099
Methyl acetate	79-20-9	78000	NS	22	ND	0.00099
Cyclohexane	110-82-7	NS	NS	NS	ND	0.00099
Methylcyclohexane	108-87-2	NS	NS	NS	ND	0.00099
1,3-Dichloropropene (cis- and trans-)	542-75-6	2	7	0.005	ND	0.00099
TOTAL VO's:		NS	NS	NS	ND	0.00099
TOTAL TIC's:		NS	NS	NS	ND	NA
TOTAL VO's & TIC's:		NS	NS	NS	ND	NA

Sample #: Field ID: Lab ID: Date Sampled: Depth(ft):	NJDEP SOIL REMEDIATION STANDARDS				21-013	
	CAS	Residential SRS (mg/Kg)	Non-Res SRS (mg/Kg)	Default IGW Screening Level (mg/Kg)	Conc	Q RL MDL
Semivolatiles - BNA (mg/Kg)						
N-Nitrosodimethylamine	62-75-9	0.7	0.7	0.7	ND	0.033
Benzaldehyde	100-52-7	6100	68000	NS	ND	0.033
Phenol	108-95-2	18000	210000	8	ND	0.033
Aniline	62-53-3	NS	NS	NS	ND	0.033
Bis(2-chloroethyl) ether	111-44-4	0.4	2	0.2	ND	0.033
2-Chlorophenol	95-57-8	310	2200	0.8	ND	0.033
2-Methylphenol	95-48-7	310	3400	NS	ND	0.033
2,2'-Oxybis(1-Chloropropane)	108-60-1	23	67	5	ND	0.033
4-Methylphenol **	106-44-5	31	340	NS	ND	0.033
N-Nitrosodi-n-propylamine	621-64-7	0.2	0.3	0.2	ND	0.033
Acetophenone	98-86-2	2	5	3	ND	0.033
3-Methylphenol	108-39-4	NS	NS	NS	ND	0.033
Hexachloroethane	67-72-1	12	48	0.2	ND	0.033
Nitrobenzene	98-95-3	5	14	0.2	ND	0.033
Isophorone	78-59-1	510	2000	0.2	ND	0.033
2-Nitrophenol	88-75-5	NS	NS	NS	ND	0.033
2,4-Dimethylphenol	105-67-9	1200	14000	1	ND	0.033
Bis(2-chloroethoxy) methane	111-91-1	NS	NS	NS	ND	0.033
Benzoic acid	65-85-0	NS	NS	NS	ND	0.099
2,4-Dichlorophenol	120-83-2	180	2100	0.2	ND	0.033
Naphthalene	91-20-3	6	17	25	ND	0.033
4-Chloroaniline	106-47-8	NS	NS	NS	ND	0.033
Hexachlorobutadiene	87-68-3	6	25	0.9	ND	0.033
Caprolactam	105-60-2	31000	340000	12	ND	0.331
4-Chloro-3-methylphenol	59-50-7	NS	NS	NS	ND	0.033
2-Methylnaphthalene	91-57-6	230	2400	8	ND	0.033
Hexachlorocyclopentadiene	77-47-4	45	110	320	ND	0.033
2,4,6-Trichlorophenol	88-06-2	19	74	0.2	ND	0.033
2,4,5-Trichlorophenol	95-95-4	6100	68000	68	ND	0.033
1,1'-Biphenyl	92-52-4	61	240	140	ND	0.033
2-Chloronaphthalene	91-58-7	NS	NS	NS	ND	0.033
2-Nitroaniline	88-74-4	39	23000	NS	ND	0.033
Dimethyl phthalate	131-11-3	NS	NS	NS	ND	0.033
2,6-Dinitrotoluene	606-20-2	0.7	3	NS	ND	0.033
Acenaphthylene	208-96-8	NS	30000	NS	ND	0.033
3-Nitroaniline	99-09-2	NS	NS	NS	ND	0.033
Acenaphthene	83-32-9	3400	37000	110	ND	0.033
2,4-Dinitrophenol	51-28-5	120	1400	0.3	ND	0.033

Sample #: Field ID: Lab ID: Date Sampled: Depth(ft):	NJDEP SOIL REMEDIATION STANDARDS				21-013 01672-001 03/23/2021
	CAS	Residential SRS (mg/Kg)	Non-Res SRS (mg/Kg)	Default IGW Screening Level (mg/Kg)	
4-Nitrophenol	100-02-7	NS	NS	NS	0.033
2,4-Dinitrotoluene	121-14-2	0.7	3	NS	0.030
Dibenzofuran	132-64-9	NS	NS	NS	0.030
Diethyl phthalate	84-66-2	49000	550000	88	0.033
Fluorene	86-73-7	2300	24000	170	0.033
4-Chlorophenyl phenyl ether	7005-72-3	NS	NS	NS	0.033
4-Nitroaniline	100-01-6	NS	NS	NS	0.033
1,2,4,5-Tetrachlorobenzene	95-94-3	NS	NS	NS	0.021
2,3,4,6-Tetrachlorophenol	58-90-2	NS	NS	NS	0.024
4,6-Dinitro-2-methylphenol	534-52-1	6	58	0.3	0.029
N-Nitrosodiphenylamine	86-30-6	99	390	0.4	0.032
1,2-Diphenylhydrazine	122-66-7	0.7	2	0.7	0.031
4-Bromophenyl phenyl ether	101-55-3	NS	NS	NS	0.033
Hexachlorobenzene	118-74-1	0.3	1	0.2	0.023
Atrazine	1912-24-9	210	2400	0.2	0.024
Pentachlorophenol	87-86-5	0.9	3	0.3	0.025
Phenanthrene	85-01-8	NS	300000	NS	0.022
Anthracene	120-12-7	17000	30000	2400	0.031
Carbazole	86-74-8	24	96	NS	0.033
Di-n-butyl phthalate	84-74-2	6100	68000	760	0.030
Fluoranthene	206-44-0	2300	24000	1300	0.033
Benzidine	92-87-5	0.7	0.7	0.7	0.032
Pyrene	129-00-0	1700	18000	840	0.025
Butyl benzyl phthalate	85-68-7	1200	14000	230	0.030
3,3'-Dichlorobenzidine	91-94-1	1	4	0.2	0.031
Benzo[a]anthracene	56-55-3	5	17	0.8	0.029
Chrysene	218-01-9	450	1700	80	0.020
Bis(2-ethylhexyl) phthalate	117-81-7	35	140	1200	0.031
Di-n-octyl phthalate	117-84-0	2400	27000	3300	0.030
Benzo[b]fluoranthene	205-99-2	5	17	2	0.031
Benzo[k]fluoranthene	207-08-9	45	170	25	0.032
Benzo[a]pyrene	50-32-8	0.5	2	0.2	0.029
Indeno[1,2,3-cd]pyrene	193-39-5	5	17	7	0.032
Dibenzo[a,h]anthracene	53-70-3	0.5	2	0.8	0.031
Benzo[g,h,i]perylene	191-24-2	380000	30000	NS	0.032
Dinitrotoluene (2,4- and 2,6-)	25321-14-6	0.7	3	0.2	0.033
TOTAL BNA'S:		NS	NS	NS	0.033
TOTAL TIC's:		NS	NS	NS	NA
TOTAL BNA'S & TIC's:		NS	NS	NS	NA

NJDEP SOIL REMEDIATION STANDARDS				21-013			
Sample #:	Field ID:	Lab ID:	Date Sampled:	Residential SRS (mg/Kg)	Non-Res SRS (mg/Kg)	Default IGW Screening Level (mg/Kg)	
Depth(ft):	CAS						
PCB's (mg/Kg)							
Aroclor-1016	12674-11-2	NS	NS	NS	NS	NS	ND
Aroclor-1221	11104-28-2	NS	NS	NS	NS	NS	ND
Aroclor-1232	11141-16-5	NS	NS	NS	NS	NS	ND
Aroclor-1242	53469-21-9	NS	NS	NS	NS	NS	ND
Aroclor-1248	12672-29-6	NS	NS	NS	NS	NS	ND
Aroclor-1254	11097-69-1	NS	NS	NS	NS	NS	ND
Aroclor-1260	11096-82-5	NS	NS	NS	NS	NS	ND
Aroclor-1262	37324-23-5	NS	NS	NS	NS	NS	ND
Aroclor-1268	11100-14-4	NS	NS	NS	NS	NS	ND
PCBs	1336-36-3	0.2	1	0.2	0.2	0.2	ND
							Conc
							Q
							RL
							MDL

Sample #: Field ID: Lab ID: Date Sampled: Depth(ft):	NJDEP SOIL REMEDIATION STANDARDS				21-013		
	CAS	Residential SRS (mg/Kg)	Non-Res SRS (mg/Kg)	Default IGW Screening Level (mg/Kg)	Conc	Q	RL
Pesticides (mg/Kg)							
alpha-BHC	319-84-6	0.1	0.5	0.002	ND		0.000632
beta-BHC	319-85-7	0.4	2	0.002	ND		0.000316
gamma-BHC (Lindane)	58-89-9	0.4	2	0.002	ND		0.000316
delta-BHC	319-86-8	NS	NS	NS	ND		0.000316
Heptachlor	76-44-8	0.1	0.7	0.5	ND		0.000316
Aldrin	309-00-2	0.04	0.2	0.2	ND		0.000316
Heptachlor epoxide	1024-57-3	0.07	0.3	0.01	ND		0.000316
Endosulfan I	959-98-8	NS	NS	NS	ND		0.000316
4,4'-DDE	72-55-9	2	9	18	ND		0.000316
Dieldrin	60-57-1	0.04	0.2	0.003	ND		0.000316
Endrin	72-20-8	23	340	1	ND		0.000316
Endosulfan II	33213-65-9	NS	NS	NS	ND		0.000316
4,4'-DDD	72-54-8	3	13	4	ND		0.000316
Endrin aldehyde	7421-93-4	NS	NS	NS	ND		0.000316
Endosulfan sulfate	1031-07-8	470	6800	2	ND		0.000316
4,4'-DDT	50-29-3	2	8	11	ND		0.000316
Endrin ketone	53494-70-5	NS	NS	NS	ND		0.000316
Methoxychlor	72-43-5	390	5700	160	ND		0.000316
alpha-Chlordane	5103-71-9	NS	NS	NS	ND		0.000316
gamma-Chlordane	5103-74-2	NS	NS	NS	ND		0.000316
Toxaphene	8001-35-2	0.6	3	0.3	ND		0.00379
Endosulfan (I and II)	115-29-7	470	6800	4	ND		0.000632
Chlordane (alpha and gamma)	57-74-9	0.2	1	0.05	ND		0.000316

Sample #: Field ID: Lab ID: Date Sampled: Depth(ft):	NJDEP SOIL REMEDIATION STANDARDS				21-013			
	CAS	Residential SRS (mg/Kg)	Non-Res SRS (mg/Kg)	Default IGW Screening Level (mg/Kg)	Conc	Q	RL	MDL
NJ-EPH-C40 (mg/Kg) C9-C40	IALC9C40	NS	NS	NS	19.9	J	48.7	19.5

Sample #: Field ID: Lab ID: Date Sampled: Depth(ft):		NJDEP SOIL REMEDIATION STANDARDS				21-013		
		CAS	Residential SRS (mg/Kg)	Non-Res SRS (mg/Kg)	Default IGW Screening Level (mg/Kg)	Conc	Q	RL
Metals (mg/Kg)								MDL
Aluminum		7429-90-5	78000	NS	6000	9740		2.00
Antimony		7440-36-0	31	450	6	ND		0.200
Arsenic		7440-38-2	19	19	19	0.923		0.150
Barium		7440-39-3	16000	59000	2100	80.5		0.250
Beryllium		7440-41-7	16	140	0.7	0.447	J	0.150
Cadmium		7440-43-9	78	78	2	ND		0.300
Calcium		7440-70-2	NS	NS	NS	6920		15.0
Chromium		7440-47-3	NS	NS	NS	33.5		0.250
Cobalt		7440-48-4	1600	590	90	12.1		0.150
Copper		7440-50-8	3100	45000	11000	45.1		0.350
Iron		7439-89-6	NS	NS	NS	24300		15.0
Lead		7439-92-1	400	800	90	2.02		0.250
Magnesium		7439-95-4	NS	NS	NS	7190		15.0
Manganese		7439-96-5	11000	5900	65	178		0.350
Mercury		7439-97-6	23	65	0.1	ND		0.010
Nickel		7440-02-0	1600	23000	48	39.8		0.350
Potassium		7440-09-7	NS	NS	NS	4590		20.0
Selenium		7782-49-2	390	5700	11	3.19	J	1.50
Silver		7440-22-4	390	5700	1	ND		0.300
Sodium		7440-23-5	NS	NS	NS	280		20.0
Thallium		7440-28-0	withdrawn	withdrawn	3	0.304	J	0.250
Vanadium		7440-62-2	78	1100	NS	31.1		0.500
Zinc		7440-66-6	23000	110000	930	22.7		1.00

NJDEP SOIL REMEDIATION STANDARDS				21-013			
Sample #:	Field ID:	Lab ID:	Date Sampled:	Residential SRS (mg/Kg)	Non-Res SRS (mg/Kg)	Default IGW Screening Level (mg/Kg)	01672-001 03/23/2021
Depth(ft):	CAS						
General Analytical							
Hexavalent Chromium-mg/Kg	18540-29-9	240	20	NS	NS	NS	
Cyanide, Total-mg/Kg	57-12-5	47	680	20	20	20	
pH/Corrosivity-SU	SRP 6	NS	NS	NS	NS	NS	
Trivalent (III) Chromium-mg/kg	16065-83-1	120000	NS	NS	NS	NS	
NJDEP Soil Remediation Standards: Remediation Standards N.J.A.C. 7:26D, May 2012; Amended Sept 2017							
				Conc	Q	RL	MDL
				ND	ND	1.00	0.378
				ND	ND	0.962	0.481
				8.13	8.13	NA	NA
				33.5	33.5	1.00	0.378
Indicates a concentration that exceeds applicable criteria.							
Indicates RL that exceeds applicable criteria.							
Indicates MDL that exceeds applicable criteria.							
NS = No Standard Available							
ND = Analyzed for but Not Detected at the MDL							
J = Concentration detected at a value below the RL and above the MDL for target compounds. For non-target compounds (i.e. TICs), qualifier indicates estimated concentration							
All qualifiers on individual Volatiles & Semivolatiles are carried down through summation.							



Tilcon New York Inc.
9 Entin Road
Parsippany, NJ 07054

T 973-366-7741
www.tilconny.com

October 20, 2021

Entact, LLC
150 Bay Street, Suite 806
Jersey City, NJ 07302

Attn: Killian Klippstein
Re: Jersey City Project

Dear Mr. Klippstein;

As it is produced at our Riverdale quarry, DGA is manufactured to meet New Jersey Department of Transportation (NJDOT) and ASTM Standard Specifications. Riverdale source is included on the NJDOT Qualified Products List, available at:

www.state.nj.us/transportation/eng/materials/qualified/QPLDB.shtm

Riverdale quarry supplies 100% virgin granite (Gneiss) that is quarried and processed to finished sizes. Material shipped from our Riverdale facility is clean and free of contaminants prior to loading.

Attached, please find gradation, Clean Fill Certification and third party test results confirming source quality characteristics.

If you have any questions or require additional information, please contact me at
kchristodoulou@tilconny.com

Very truly yours,
TILCON NEW YORK, INC.

Konstantina Christodoulou

Konstantina Christodoulou
Quality Control Department



TILCON NEW YORK INC.

PHONE: 973-366-7741 9 ENTIN ROAD, PARSIPPANY, New Jersey 07054

2021 Clean Fill Material Certification- NJ Locations Only

Tilcon NY Inc. New Jersey Division confirms to the best of our knowledge that the aggregates produced at the locations below are virgin stone products, contain no hazards or contamination prior to shipment of materials and conform to section 901 of the *2019 New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction*. The material is identified on the job with Tilcon NJ delivery tickets. The quarries are listed in the Quality List (QPL) of the NJDOT website

<http://www.state.nj.us/transportation/eng/materials/qualified/QPLDB.shtm>

Pompton Lakes Quarry- Granite Gneiss, 84 Borough of Pompton Lakes, Passaic County Blocks No(s) 5105, 5105 - Lot(s) 84, 14.2. Pompton Lakes quarry contains NJDOT approved crushed stone and certified fill products.

Mt. Hope Quarry- Granite Gneiss, 625 Mt Hope Road, Wharton Borough, Morris County NJ, Block No 20001 Lot(s) No(s) 5.01, 5.02, 7; Block No 70001 Lot No 2; Block No 20101 Lot No 6. Mt Hope quarry contains NJDOT approved crushed stone, washed products and certified fill products.

Tilcon NY Inc. has had Pompton Lakes and Mt Hope quarries analyzed under the EPA Target Compound List as required by the LSRP program- *NJDEP Residential Direct Contact Soil Remediation Standards/Clean Fill Criteria*. A copy of the report is available upon request. To the best of our knowledge, the materials produced at the above quarries comply with Section 7 of the Fill Material Guidance for SRP Sites.

Riverdale Quarry- Granite Gneiss, 125 Hamburg Turnpike, Riverdale, Morris County NJ, Block No9s0 25, 26, 27, 29 Lot No 3. Riverdale Quarry NJDOT approved crushed stone, washed products and certified fill materials.

Oxford Quarry- Granite Gneiss and Limestone, Quarry and Mt Pisgah Avenue, White Township, Warren County Block 32- Lots 15,16 Block 33- Lots 22,23 Block 34 Lots 19,20 Block 25- Lots 3,5,9,90.1 NJDOT approved crushed stone, washed products and certified materials.

Tilcon New York, INC Quality Control 973-659-3790

An Equal Opportunity Employer

Client: Tilcon New York Inc.

Project: Riverdale Quality Control 2021

Project Code: 210001

Subject: Laboratory Tests of Fine and Coarse Aggregate Samples (Riverdale Quality Quarry)

Advance Testing Co., Inc received two (2) aggregate samples on January 4, 2021. The Source of both aggregates was Riverdale Quarry. At the client's request, the samples were tested for the following properties:

- Specific Gravities: ASTM C128
- Resistance to Degradation (Los Angeles Abrasion): ASTM C131
- Sodium Magnesium Soundness: ASTM C88
- Elongated Particles: ASTM D4791
- Sand Equivalent Value: ASTM D2419
- Uncompacted Void Content for Fine Aggregates: AASHTO T304 Method A

Client: Tilcon New York Inc.

Project: Riverdale Quality Control 2021

Project Code: 210001

Subject: Laboratory Tests of Fine and Coarse Aggregate Samples (Riverdale Quality Quarry)

Type of Test	Washed Sand	3/8" Stone
Sand Equivalent Value, %	89	Not Applicable
Specific Gravity • Bulk • Bulk-SSD • Apparent	2.678 2.695 2.724	2.639 2.659 2.694
Water Absorption, SSD, %	0.63	0.78
L.A. Abrasion, % Loss	Not Applicable	27.5
Flat and Long Particles, % • 3:1 • 5:1	Not Applicable	1.2 0.0
Soundness, % Loss (5 Cycle Magnesium Sulfate)	5.37	0.96
Uncompacted Void Content, %	48.5	Not Applicable
Rock Type	Granite	

Sincerely,



Emily J. Rodriguez

Laboratory Manager

Advance Testing Company, Inc.

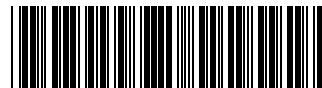


Quality Test Report

Plant 060_00403-Riverdale Quarry

Product 1018001-DGA

Specification DGA



488734040

Sample Information

Sample No 488734040
Date Sampled 10/19/2021 11:00
Sampled By Jarryd Megargel
Type Production
Method Load-out Face

Split Sample ☐
Resample ☐

Test Note
Plant 1

Gradation Results

Date Completed 10/19/2021 11:00

Tested By Jarryd Megargel

Unit	Moist Mass	Dry Mass	Wash Mass	Moisture %	Wash Loss %	Procedure
lb		37.00	35.57		3.9	

Sieve	Mass Retained	Cum Mass Retained	Ind % Retained	% Retained	% Passing	Target	Specification	Comment
1 1/2" (37.5mm)	0.00	0.00	0.0	0.0	100.0	100-100\100	100-100	
1" (25mm)	2.00	2.00	5.4	5.4	94.6			
3/4" (19mm)	4.80	6.80	13.0	18.4	81.6	55.9-90\78.3	55-90	
1/2" (12.5mm)	6.90	13.70	18.6	37.0	63.0			
3/8" (9.5mm)	3.10	16.80	8.4	45.4	54.6			
#4 (4.75mm)	6.00	22.80	16.2	61.6	38.4	25-50\38.7	25-50	
#8 (2.36mm)	3.60	26.40	9.7	71.4	28.6			
#16 (1.18mm)	2.57	28.97	6.9	78.3	21.7			
#30 (.6mm)	2.12	31.09	5.7	84.0	16.0			
#50 (.3mm)	1.92	33.01	5.2	89.2	10.8	6.8-12.8\9.8	5-25	
#100 (.15mm)	1.41	34.42	3.8	93.0	7.0			
#200 (75µm)	1.02	35.44	2.76	95.78	4.22	3-10\6.4	3-10	
Pan	0.14	35.58	4.22	100.00	0.00			