Remedial Action Report – Forrest Street Properties (AOC FSP-1C, AOC FSP-1D, AOC FSP-1E, AOC FSP-1F, AOC FSP-1G, AOC FSP-1H, AOC FSP-1I, AOC FSP-1J, and AOC FSP-1K) Soil, Current-Use, Final, Revision 2 Garfield Avenue Group PPG, Jersey City, New Jersey

#### Appendix J

#### **Clean Fill Documentation**

J-1 Clean Fill Documentation - Dense-Graded Aggregate Load Reports

J-2 Quarry Information and Analytical Data Reports

Remedial Action Report – Forrest Street Properties (AOC FSP-1C, AOC FSP-1D, AOC FSP-1E, AOC FSP-1F, AOC FSP-1G, AOC FSP-1H, AOC FSP-1I, AOC FSP-1J, and AOC FSP-1K) Soil, Current-Use, Final, Revision 2 Garfield Avenue Group PPG, Jersey City, New Jersey

Appendix J-1 Clean Fill Documentation -Dense-Graded Aggregate Load Reports

# Appendix J-1 Clean Fill Documentation Dense-Graded Aggregate Load Reports Forrest Street Properties, Garfield Avenue Group PPG, Jersey City, New Jersey

This appendix includes a list of the quarry material load reports for dense-graded aggregate (DGA) used for backfill and restoration at Forrest Street Properties, which is part of the Garfield Avenue Group Sites in Jersey City, New Jersey (NJ). The licensed material was supplied by Stavola Construction Materials, Inc. from their licensed mine facility at 409 Chimney Rock Road, Bridgewater, NJ, which is permitted to operate as a commercial quarry by the New Jersey Department of Environmental Protection.

Forrest Str	eet Properties	
Profile	Loads	Tons
Dense-Graded Aggregate	2	46.97
Total	2	46.97

# Appendix J-1

#### **Clean Fill Documentation**

# Dense-Graded Aggregate Load Reports Forrest Street Properties, Garfield Avenue Group PPG, Jersey City, New Jersey

#### **Dense-Graded Aggregate (DGA)**

Ship Date	Load	Ticket	Net Weight (tons)	Daily Tonnage
12/7/2021	1	957345	24.03	24.03
12/8/2021	1	957698	22.94	22.94
	•	Total Tonnage =	46.97	

Remedial Action Report – Forrest Street Properties (AOC FSP-1C, AOC FSP-1D, AOC FSP-1E, AOC FSP-1F, AOC FSP-1G, AOC FSP-1H, AOC FSP-1I, AOC FSP-1J, and AOC FSP-1K) Soil, Current-Use, Final, Revision 2 Garfield Avenue Group PPG, Jersey City, New Jersey

Appendix J-2
Quarry Information and
Analytical Data Reports

P.O. Box 482 Red Bank, NJ 07701 732-542-2328 x 323 732-389-0074 F

rvannote@stavola.com

11/01/2021

To Whom it may concern,

We are currently crushing rock down to the following size products:

 Screenings (#10)
 3/8" Clean (#8)
 3"- 5" Riprap

 Common Fill
 5/8" Clean (#67)
 6"- 12" Core Stone

Finishing Stone 3/4" Clean (#57) 12"- 24" Army Core Stone

Washed Sand 1" Clean (#5) I-5 Soil Aggregate

1/4" (#9) 1 1/2" Clean D.G.A. (Dense Graded Aggregate)

I-9 Soil Aggregate 2 1/2" Clean QP (Quarry Process)

I-14 Soil Aggregate 3" minus shale (redrock) Ballast

Stavola Construction Materials, Inc. (S.C.M.I.) certifies all aggregate products are quarried and processed at our Bound Brook Quarry are from a virgin natural source of volcanic extrusive igneous basalt (also known as Traprock), natural to the region as well as a Red Shale product also natural to this region. The traprock and shale are not comingled together or with any other material, nor is it affected by conditions or processes that would result in the introduction of contaminants. There are no discharges of hazardous materials or chemical applications that would adversely affect the materials, it is quarried and stockpiled at our licensed Bound Brook quarry in Bridgewater, NJ.

The pockets of Shale (Red Rock Bound) found in the Brook Quarry, are also a virgin source, natural to the region, and free from contaminants.

The quarry is located in the First Watchung Mountain Range, 409 Chimney Rock Rd, Bridgewater Township, Block 711, Lot 6. The address is 409 Chimney Rock Rd, Bridgewater, NJ 08807. Mine Certificate: 004916 Bound Brook Quarry has operated as a rock quarry since 1944, with no contaminated sites/AOC on neighboring properties or within the quarry itself. The Bound Brook Quarry follows all NJDEP and USDEP protocols to address any minor discharges.

If you have any questions or require further information, please don't hesitate to contact me at 732-542-2328 x329 or rvannote@stavola.com

Sincerely,

Robert S VanNote

Report I Van Note

Stavola Construction Materials Incorporated



# State of New Jersey Department of Labor and Workforce Development

Certificate No. 004916 Expiration Date 3/31/2022

# MINE REGISTRATION CERTIFICATE

ISSUED TO:

STAVOLA CONSTRUCTION MATERIALS INC

409 CHIMNEY ROCK RD

BLK NO(S): 711

LOT NO(S): 6.01

BRIDGEWATER, NJ

**COUNTY: SOMERSET** 

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:	Stavola Con	struction Materials, In	IC.		
Project:	Bound Brook	Quarry, New Jersey			
Subject:	Sampling an	d Laboratory Analysis	s of Aggregate	-DGA	
Job No.:	21-E-04	Report Number:	21-E-41	Date:	06-30-2021

We present herewith the laboratory test results of one (1) aggregate sample, Dense Graded Aggregate - DGA, collected by a representative of our firm on June 18, 2021.

As requested, the 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, including NJDEP-SRS parameters. The analyses were performed by Integrated Analytical Laboratories (IAL) (NJDEP Lab ID No. 14751) and Eurofins Test America Laboratory (TA) (NJDEP Lab ID No. 12028). The copies of sample chain-of-custody forms and laboratory summary reports with regulatory comparison tables are attached.

Based on the laboratory test results, the DGA sample meets the current (May 17, 2021) NJDEP Soil Remediation Standards.

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) IAL/TA Sample Chain-of-Custody Forms, Laboratory Summary

Reports with Regulatory Comparison Tables

cc: (1) Client (Attn: Mr. Robert VanNote)

e-mail: RVannote@stavola.com

Integrated Analytical Labs

Randolph, NJ 07869

273 Franklin Road

Chain of Custody Record

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

Concentrations Expected 2 High Part 375-6.8(a) - Unrestricted CP-51 Table 2 or 3 (selection Part 375-6.8(b) - Restricted ☐ CT RCSA 22æ-133k1-k3 Sample Specific Notes: Other States / Criteria AWQS (TOGS Table 1) GWEL (TOGS Table 5) OTHER Regulatory Requiren specify in comments Known Hazard: Pennsylvania Act 2 N Regulatory Requirement FOR LAB USE ONLY New York Med ☐ TSCA PCBs YES Describe: Low SDG #: lab approved custom EDD NYSDEC EQuIS NO EDD REQ'D ☐ Ecological New Jersey NJ SRP □ GWQS SPLP SRS MSI IGW Ma 🗆 EDDs ANALYTICAL PARAMETERS (please note if contingent Other - call for price Petroleum Hydrocarbons - Selection is REQUIRED ☐ ASP Category ☐ DRO-8015 DGA - Dense Graded Aggnegate (SDL) □ CT ETPH TAT for PHC, if other than 2 weeks: È Turn-Around Time (TAT Deliverables Surchage nay apply Standard (10 business days) Verbal Regulatory/ Full (Lavel IV) Hard Copy: Standard 3 week Results Only (Level I) NJ. CT. PA NJ EPH-Fractionated - Cat 2 (Level MIII) NJ EPH-DRO - Category 1 Reduced NJ EPH-C40 - Category 2 Hq onty if pre-approved)\*\* EPH 6-9 day - 10% 24 hr - 100% 96 hr - 35% 5 day - 25% 48 hr - 75% 72 hr - 50% Charge TAL/TCL+30 S\$S Container Type (use code) N, E Special Instructions/QC Requirements & Comme M Preservative (use code) 3 Check here if same as "Customer Information" S - Soil SED - Sediment SOL - Solid (specify) 3 Reporting Information St. - Sludge Sample Matrix Matrix 1-03 795 1:40 Time DW - Drinking Water WW - Waste Water GW - Groundwater SW - Surface Water LIQ - Liquid (specify) Sampling A = Amber Glass
B = Plastic
C = Vial
D = Glass
E = EnCore
T = Terracore REPORT TO: INVOICE TO: 6-18-21 Container Code: Address: Date Address: Quote # Attn: # Od Attn: Preservative Code: Depth (ft only) **Equipment Rental** DGA = HC) = MeOH 473-239-600 "Report to"/"Invoice To" same as above SAMPLE INFORMATION Customer Information processed and the turnaround time Samples previously analyzed by IAL? Please print legibly and fill out completely. Samples cannot be Project Name: BBrook 21-037-D いなの COMPLETED BY IAL: Project Location (State): Field Sampling Email Address(es): Project Manager: Bottle Order #: Felephone # Sampled by: Client ID Company: Address: 凶

ō PAGE: Certification IDs: TNI (TNI01284); CT (PH-0699); NJ (14751); NY (11402); PA (68-00773). LAB COPIES - WHITE & YELLOW; CLIENT COPY - PINK

FedEx/UPS\*\*\* Client Courier IAL Courier arrier (check one)

AGREES TO BE BOUND BY IAL'S TERMS & CONDITIONS

(found on rear of pink copy).

BY EXECUTING THIS COC,

5 = NaOH 5 = H2SO4

ambiguities have been resolved.

(TAT) will not start until any

TAT starts the following day if samples rec'd at lab ≥ 5PM. THE CLIENT HAS READ AND

37.8

ø

25ch

181.8

6-18-21

T \_ Date \_ \_ 6-18-2

Cooler Temp:

## **SAMPLE RECEIPT VERIFICATION**

CASE NO: <b>E 21</b>	03813	CLIENT:	5+5	
COC: COMPLETE	<del></del>	( See Chain of C	Custody) Comments	
COC: COMPLETE KEY  ✓ = YES/NA  → = NO		eceived: Encore	IGW - Methanol  No Preservative	
✓ Bottles Intac ✓ no-Missing I ✓ no-Extra Bo	Bottles			
no-headspa  Labels intace  pH Check¹ ( Correct bott  Sufficient Ho  Multiphasic Sample to b  Chain of Cu   1 All samples with "Analyze Immediate following tests: pH, Tempera  ADDITIONAL COMME	refer to Receipt pH Log)  les/preservative  plding/Prep Time¹  Sample e Subcontracted  ustody is Clear  diately" holding times will be analyz ture, Free Residual Chlorine, Total ENTS:	Residual Chlorine, Dissolve	e holding time. This includes but is not limited to do Oxygen, Sulfite.	
If COC is NOT clear. S	TOP until you get clien		NO N	-
CLIENT NOTIFIED: PROJECT CONTACT: SUBCONTRACTED LA DATE SHIPPED: ADDITIONAL COMME	YES	Date/ Time:	NO	]
				_
VERIFIED/TAKEN BY:	INITIAL	14	DATE 6/18/21	_

Client: S & S Environmental Project: B BROOK-DGA Lab Case No.: E21-03813

	ase No.: E21-038		
Lab ID:		03813-00	)1
Client ID:		21-037-I	D
Matrix:		Solid	
Sampled Date		6/18/21	
PARAMETER(Units)	Conc	Q	MDL
Volatiles (Units)		(mg/Kg)	
tert-Butyl alcohol (TBA)	0.00133	J	0.00114
TOTAL VO's:	0.00133	J	
TOTAL TIC's:	ND	-	
TOTAL VO's & TIC's:	0.00133	J	
Semivolatiles - BN (Units)		(mg/Kg)	
TOTAL BNA'S:	ND		
TOTAL TIC's:	ND		
TOTAL BNA'S & TIC's:	ND		
PCB's (Units)	.110	(mg/Kg)	
Aroclor-1016	ND	(mg/ng)	0.000984
Aroclor-1016 Aroclor-1221	ND ND		
			0.000984
Arcelor-1232	ND		0.000984
Aroclor-1242	ND		0.000984
Aroclor-1248	ND		0.000984
Aroclor-1254	ND		0.000984
Aroclor-1260	ND		0.000984
Aroclor-1262	ND		0.000984
Aroclor-1268	ND		0.000984
PCBs	ND		0.000984
Pesticides (Units)		(mg/Kg)	
alpha-BHC	ND		0.000164
beta-BHC	ND		0.000164
gamma-BHC (Lindane)	ND		0.000164
delta-BHC	ND		0.000164
Heptachlor	ND		0.000164
Aldrin	ND		0.000164
Heptachlor epoxide	ND		0.000164
Endosulfan I	ND		0.000164
4,4'-DDE	ND		0.000164
Dieldrin	ND		0.000164
Endrin	ND		0.000164
Endosulfan II	ND		0.000164
4,4'-DDD	ND		0.000164
Endrin aldehyde Endosulfan sulfate	ND ND		0.000164 0.000164
4,4'-DDT	ND ND		0.000164
Endrin ketone	ND ND		0.000164
Methoxychlor	ND ND		0.000164
alpha-Chlordane	ND ND		0.000164
gamma-Chlordane	ND ND		0.000164
Toxaphene	ND ND		0.00328
Endosulfan (I and II)	ND		0.00328
Chlordane (alpha and gamma)	ND		0.000164

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

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.

Client: S & S Environmental Project: B BROOK-DGA Lab Case No.: E21-03813

Lab ID:	ise No.: E21-038	03813-001	
Client ID:		21-037-D	
Matrix:		Solid	
Sampled Date		6/18/21	
PARAMETER(Units)	Conc	Q	MDL
NJ-EPH-C40 (Units)		(mg/Kg)	
<u>C9-C40</u>	ND		19.3
Metals (Units)		(mg/Kg)	
Aluminum	28200	D	25.5
Antimony	ND		0.204
Arsenic	0.647		0.049
Barium	23.1		0.255
Beryllium	0.214	J	0.093
Cadmium	0.123	J	0.040
Calcium	23700		18.6
Chromium	32.9		0.450
Cobalt	18.0		0.153
Copper	104		0.357
Iron	28300		15.3
Lead	2.15		0.255
Magnesium	14400		15.3
Manganese	334		0.420
Mercury	ND		0.010
Nickel	33.7		0.357
Potassium	334		20.4
Selenium	ND		1.53
Silver	ND		0.163
Sodium	3270		20.4
Thallium	ND		0.255
Vanadium	68.1		0.095
Zinc	28.2		1.02
General Analytical (Units)			
Hexavalent Chromium(mg/Kg)	ND		0.378
Cyanide, Total(mg/Kg)	ND		0.472
pH by SW-846 9045D(SU)	9.39		NA

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.

D = The compound was reported from the Diluted analysis

<sup>+ =</sup> Results from subcontracted laboratory

Test America - Edison
777 New Durham Rd., Edison, NJ 08817
REPORTING & BILLING

CLIENT & PROJECT		REPOR	REPORTING & BILLING	$g_{l}$	l						1						
Name: Integrated Analytical Laboratories LLC	tories LLC	Contact:	Thomas Malanga					Turn	Turnaround Time	Time					Report Format	ormat	
		Fax #:			Verb	Verbal/Fax								Reduce	Reduced / Level III	=	
Address: 273 Franklin Road	pro	EMail to:	tmalanga@ialonline.com	E)	24 hr*	48 hr*	72 hr*	I wk*	2 wk	Other:	6 Bu	6 Business Days	ays				
Randolph, NJ 07869	1869	Report to:	Thomas Malanga		Hard	Hard Copy				h) /				Spe	Special Requirements	uiremen	ts
		Address:			72 br*	a 1 wk	2 wk*	3 wk		Other:							
Telephone #: 973-361-4252					*Pr	*Prior to sample arrival, Lab notification is required	ıple arriv	al, Lab	notificati	on is rec	uired.						
Fax #: 973-989-5288														Preservative	vative T · 2 = MaO	U. 2 -: LINIC	
Project Name: E21-03813		Invoice to:	Thomas Malanga			ANALY	ANALYTICAL PARAMETERS / PRESERVATIVES	RAME	TERS / P	RESER	ATIVE	S		1 - IX	$1 - \text{RICL}$ ; $2 = \text{NAOH}$ ; $3 = \text{RNO}_3$ $4 = \text{H}_2\text{SO}_4$ ; $5 = \text{MeOH}$ ; $6 = \text{Other}$	0H; 6 = 0d	er 3
Project Location (State): NJ		Address:		L 4	123 123 456	123	123	123	123	123	123	123	123	123	123	123	123
Project Manager:				370	CVAL												
Reference ID#:	PO#				20.50												
SAMPLE INFORMATION					И Со <b>т</b> рош									-			
Samula ID Samula Denth (in Fact)		Sampling	Matrix		otish	_						u I					
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E21-03813-001	6/18/21	07:40	Solid	-	Run												
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	IN CO II	VI OLI	EMAIL CONFIDMATION DEOLIDED	шо	OFD				ာ့	TOW	MED		Describe:				
EMA			MINDIE					Note: 5-D	Note: 5-DAY TAT - REPORT 1,4-DIOXANE ONLY	EPORT 1.4	DIOXANE	ONLY					
CUSTODY LOG								PG PRICE	PG PRICING ETAE QUOTE 46034541-3	NOTE 460	34541-3						
Signature/Company		Date	Тіше		Signature/Company	ompany											
Relinquished by: My Mary		0/18/21	( (6: 4 S Received by:		IAL FI	Fidia											

OF

PAGE:

Lab Case #

Received by:

Relinquished by:

Relinquished by:

Eurofins TestAmerica, Edison

Lab Job ID: 460-237096-1 Job Description: E21-03813 For:

Integrated Analytical Laboratories LLC PO BOX 8026 Parsippany, New Jersey 07054

Client ID	NJ SRS7 26D Tbl1A	NJ SRS7_26D_Tbl1B	NJDEP	ы	E21-03813-001
Lab Sample ID	Residential	Non-Residential	IGW Screening		460-237096-1
Sampling Date				06/18/2	06/18/2021 07:40:00
Matrix					Soil
Dilution Factor					
Unit	mg/kg	mg/kg	mg/kg		mg/kg
				Result	MDI
SOIL BY 8270E					1
1,4-Dioxane	NA	NA	NA	0.030	0:030
Total Conc	NA	NA	NA	0.0	

U : Indicates the analyte was analyzed for but not detected.

Sample #:	3	ľN	NJDEP SOIL REMEDIATION	NOI			21-037-D	
Field ID:			STANDARDS					
Lab ID:	Ingestion-	Inhalation	Ingestion-	Inhalation	Migration to		03813-001	
Date Sampled:	1	;	Dermal		Ground		06/18/2021	
Deptn(H):	(mg/Kg)	(mg/Kg)	Nonresidential (mg/Kg)	Nonresidential (ma/Ka)	(ma/Ka)			
Volatiles (mg/Kg)						Conc	<u> </u>	IOM
Dichlorodifluoromethane	16000	NA1	260000	NA1	38	t	0	0.000472
Chloromethane	AN	270	AN	1200	NA6 (RL=1700)	Q	0.00091	0.000288
Vinyl chloride	0.97	4.1	ιΩ	6.4	0.0067	QN	0.00091	0.000295
Bromomethane	110	18	1800	82	0.043	QN	0.00182	0.000794
Chloroethane	NA	NA2,3	NA	NA2,3	NA6 (RL=1700)	Q	0.00182	0.00027
Trichlorofluoromethane	23000	NA1	390000	NA1	29	QN	0.00091	0.000369
Acrolein	SN	NS	SN	NS	NS	QN	0.018	0.00622
1,1-Dichloroethene	11	52	180	240	0.0069	Q	0.00091	0.000319
Acetone	70000	NA1	NA1	NA1	19	QN	0.0091	0.00167
Carbon disulfide	NA	NA2,3	NA	NA2,3	3.7	QN	0.00091	0.000358
Methylene chloride	20	1400	260	NA2,3	0.013	Q	0.00182	0.00157
Acrylonitrile	SN	SN	SN	NS	SN	QN	0.018	0.00417
tert-Butyl alcohol (TBA)	1400	NA1	23000	NA1	0.32	0.00133	J 0.0091	0.00114
trans-1,2-Dichloroethene	1300	NA1	22000	NA1	0.56	Q	0.00091	0.000322
Methyl tert-butyl ether (MTBE)	780	140	13000	650	0.25	QN	0.00091	0.000198
1,1-Dichloroethane	120	NA1	640	NA1	0.24	Q	0.00091	0.000232
cis-1,2-Dichloroethene	780	NA1	13000	NA1	0.35	Q	0.00091	0.000195
2-Butanone (MEK)	47000	NA2,3	780000	NA2,3	0.98	Q	0.00364	0.000455
Bromochloromethane	SN	NS	SN	NS	NS	Q	0.00091	0.000231
Chloroform	780	290	13000	NA2,3	0.33	Q	0.00091	0.000228
1,1,1-Trichloroethane	160000	NA2,3	NA1	NA2,3	0.2	Q	0.00091	0.000279
Carbon tetrachloride	7.6	4,4	40	6.9	0.0075	Q	0.00091	0.000182
1,2-Dichloroethane (EDC)	89.	Z	30	320	0.0095	Q	0.00091	0.00021
Benzene	က	2.2	16	7	0.0094	Q	0.00091	0.0000783
Trichloroethene	15	m	79	14	0.0065	Q	0.00091	0.000136
1,2-Dichloropropane	19	5.7	86	27	0.0058	Q	0.00091	0.000091
Bromodichloromethane	11	NA1	29	NA1	0.005	2	0.00091	0.000108
cis-1,3-Dichloropropene	NS	SS	SN	NS	SN	Q	0.00091	0.000139
4-Methyl-2-pentanone (MIBK)	NA	NA2,3	AN	NA2,3	NA6 (RL=3400)	Q	0.00182	0.000476
Toluene	6300	NA2,3	100000	NA2,3	7.8	Q	0.00091	0.000455
trans-1,3-Dichloropropene	SN	NS	SN	NS	NS	Q	0.00091	0.000101
1,1,2-Trichloroethane	12	NA1	64	NA1	0.017	2	0.00091	0.000195
Tetrachloroethene	330	47	1700	NA2,3	0.0086	Q	0.00091	0.0000937
2-Hexanone	390	1000	6500	NA2,3	0.15	N	0.00182	0.00139
Dibromochloromethane	8.3	NA1	43	NA1	0.005	Q	0.00091	0.000151
1,2-Dibromoethane (EDB)	0.35	0.085	1.8	0.41	0.005	Q	0.00091	0.000168
Chlorobenzene	510	NA2,3	8400	NA2,3	0.64	2	0.00091	0.000157
Ethylbenzene	7800	10	130000	48	15	Q	0.00091	0.0000992

S S Environmental Project Name: B BROOK-DGA IAL SDG No:E21-03813

Total Xylenes	12000	NA2,3	190000	NA2,3	19		0.00182	0.000354
Styrene	16000	NA2,3	260000	NA2,3	2.1		0.00182	0.000196
Bromoform	80	NA1	460	NA1	0.018		0.00091	0.000283
Isopropylbenzene	7800	NA2,3	130000	NA2,3	22		0.00091	0.000194
1,1,2,2-Tetrachloroethane	3.5	NA1	18	NA1	0.0069		0.00091	0.000476
1,3-Dichlorobenzene	6700	NA1	110000	NA1	4		0.00091	0.000241
1,4-Dichlorobenzene	780	NA2,3	13000	NA2,3	1.4		0.00091	0.000282
1,2-Dichlorobenzene	0029	NA2,3	110000	NA2,3	11		0.00091	0.000228
1,2-Dibromo-3-chloropropane	0.87	0.026	4.5	0.12	0.005		0.00091	0.00075
1,2,4-Trichlorobenzene	780	94	13000	NA2,3	0.52	1	0.00182	0.000382
1,2,3-Trichlorobenzene	NS	NS	SN	NS	NS		0.00182	0.000289
1,1,2-Trichloro-1,2,2-trifluoroethane	AN	NA2,3	AN	NA2,3	NA1		0.00182	0.000543
Methyl acetate	78000	NA1	NA1	NA1	22	QN	0.00455	0.000735
Cyclohexane	AN	NA2,3	Y V	NA2,3	NA6 (RL=65)		0.00091	0.000164
Methylcyclohexane	NS	SN	SN	NS	NS		0.00091	0.000157
1,3-Dichloropropene (cis- and trans-)	7	8.4	36	23	0.0063		0.00091	0.000139
TOTAL VO's:	NS	NS	SN	NS	NS	_		AN AN
TOTAL TIC's:	NS	NS	SN	NS	NS			¥
TOTAL VO's & TIC's:	SN	NS	NS	NS	NS	0		ž

S S Environmental Project Name: B BROOK-DGA IAL SDG No:E21-03813

Semivolatiles - BN (mg/Kg)						Conc	O F	MDL
N-Nitrosodimethylamine	NS	NS	NS	NS	NS	t	0	0.029
Benzaldehyde	170	NA1	910	NA1	NA6 (RL=0.33)	Q	0.033	0.027
Phenol	19000	39000	270000	NA2,3	21	2	0.033	0.033
Bis(2-chloroethyl) ether	0.63	NA1	3.3	NA1	0.33	2	0.033	0.027
2-Chlorophenol	390	NA1	6500	NA1	0.76	QN	0.033	0.027
2-Methylphenol	320	NA1	4600	NA1	0.77	QV	0.033	0.020
2,2'-Oxybis(1-Chloropropane)	3100	NA1	52000	NA1	1.9	QN	0.033	0.032
4-Methylphenol **	630	NA1	9100	NA1	0.75	Q	0.033	0.024
N-Nitrosodi-n-propylamine	0.17	NA1	0.36	NA1	0.17	Q	0.033	0.024
Acetophenone	7800	NA1	130000	NA1	3.6	Q	0.033	0.028
Hexachloroethane	17	NA2,3	91	NA2,3	0.17	Q	0.033	0.027
Nitrobenzene	160	7.5	2600	36	0.17	Q	0.033	0.022
Isophorone	929	NA2,3	2700	NA2,3	0.23	Q	0.033	0.025
2-Nitrophenol	NS	NS	SN	SN	SN	Q	0.033	0.031
2,4-Dimethylphenol	1300	NA1	18000	NA1	2.3	Q	0.033	0.020
Bis(2-chloroethoxy) methane	190	NA1	2700	NA1	NA6 (RL=0.17)	Q	0.033	0.027
2,4-Dichlorophenol	190	NA1	2700	NA1	0.19	Q	0.033	0.027
Naphthalene	2500	5.7	34000	27	19	Q	0.033	0.027
4-Chloroaniline	2.7	NA1	13	NA1	0.23	Q	0.033	0.023
Hexachlorobutadiene	SN	NS	NS	SN	SN	ND	0.033	0.021
Caprolactam	32000	290	460000	1300	16	Q	0.033	0.026
4-Chloro-3-methylphenol	SN	SN	NS	SN	SN	Q	0.033	0.023
2-Methylnaphthalene	240	NA1	3300	NA1	3.1	Q	0.033	0.022
Hexachlorocyclopentadiene	470	2.7	7800	NA2,3	2.5	9	0.033	0.029
2,4,6-Trichlorophenol	49	NA1	230	NA1	0.86	2	0.033	0.027
2,4,5-Trichlorophenol	6300	NA1	91000	NA1	89	2	0.033	0.029
1,1'-Biphenyi	87	NA1	450	NA1	NA1	2	0.033	0.028
2-Chloronaphthalene	4800	NA1	67000	NA1	NA1	Q	0.033	0.026
2-Nitroaniline	SN	SN	SN	SN	SN	2	0.033	0.026
Dimethyl phthalate	SN	SN	NS	NS	SN	2	0.033	0.025
2,6-Dinitrotoluene	SN	SN	NS	SN	NS	2	0.033	0.032
Acenaphthylene	SN	SN	SN	SN	NS	2	0.033	0.027
3-Nitroaniline	NS	NS	NS	SN	SN	2	0.033	0.025
Acenaphthene	3600	NA1	20000	NA1	NA1	2	0.033	0.028
2,4-Dinitrophenol	130	NA1	1800	NA1	0.33	Q	0.033	0.032
4-Nitrophenol	NS	NS	NS	NS	SN	Q	0.033	0.031
2,4-Dinitrotoluene	SN	NS	NS	SN	SN	Q	0.033	0.030
Dibenzofuran	NS	NS	NS	NS	SN	Q	0.033	0.025
Diethyl phthalate	51000	NA1	730000	NA1	44	2	0.033	0.020
Fluorene	2400	AN	33000	NA1	NA1	2	0.033	0.029
4-Chlorophenyl phenyl ether	SN	SN	SN	SN	SN	2	0.033	0.028
4-Nitroaniline	27	NA2,3	130	NA2,3	NA6 (RL=0.33)	Q	0.033	0.021
1,2,4,5-Tetrachlorobenzene	23	NA1	390	NA1	NA6 (RL=0.17)	2	0.033	0.024
2,3,4,6-Tetrachlorophenol	1900	NA1	27000	NA1	26	2	0.033	0.029
4,6-Dinitro-2-methylphenol	NS	NS	NS	NS	SN	2	0.033	0.032

Standards are based upon published regulatory information. Users are encouraged to consult appropriate regulatory sources for current values and updates. IAL assumes no responsibility for the accuracy of these values.

S S Environmental Project Name: B BROOK-DGA IAL SDG No:E21-03813

N-Nitrosodiphenylamine	110	NA1	520	NA1	1.1	QV	0.033	0.032
1,2-Diphenylhydrazine	NS	NS	SN	SN	SN	Q	0.033	0.033
4-Bromophenyl phenyl ether	SN	NS	SN	SN	NS	Q	0.033	0.023
Hexachlorobenzene	0.43	NA1	2.3	NA1	0.17	Q	0.033	0.024
Atrazine	220	NA1	3200	NA1	0.33	Q	0.033	0.025
Pentachlorophenol		NA1	4.4	NA1	0.33	2	0.033	0.022
Phenanthrene	SN	NS	SN	NS	NS	9	0.033	0.032
Anthracene	18000	NA1	250000	NA1	NA1	2	0.033	0.033
Carbazole	SN	NS	NS	SN	SN	2	0.033	0.030
Di-n-butyl phthalate	6300	NA1	91000	NA1	NA1	2	0.033	0.028
Fluoranthene	2400	NA1	33000	NA1	NA1	Q	0.033	0.032
Benzidine	SN	SN	NS	SN	SN	2	0.033	0.026
Pyrene	1800	NA1	25000	NA1	NA1	Q	0.033	0.030
Butyl benzyl phthalate	290	NA1	1300	NA1	29	Q	0.033	0.031
3,3'-Dichlorobenzidine	1.2	NA1	5.7	NA1	3.9	Q	0.033	0.030
Benzo[a]anthracene	5.7	78000	23	370000	0.71	Q	0.033	0.020
Chrysene	510	NA2,3	2300	NA2,3	NA1	2	0.033	0.031
Bis(2-ethylhexyl) phthalate	39	NA1	180	NA1	14	2	0.033	0.030
Di-n-octyl phthalate	630	NA1	9100	NA1	NA1	Q	0.033	0.031
Benzo[b]fluoranthene	5.1	78000	23	370000	NA1	Q	0.033	0.032
Benzo[k]fluoranthene	21	780000	230	NA2,3	NA1	2	0.033	0.028
Benzo[a]pyrene	0.51	3500	2.3	16000	NA1	Ð	0.033	0.029
Indeno[1,2,3-cd]pyrene	5.1	78000	23	370000	NA1	Ð	0.033	0.032
Dibenz[a,h]anthracene	0.51	7800	2.3	37000	NA1	2	0.033	0.031
Benzo[g,h,i]perylene	SN	NS	NS	NS	SN	2	0.033	0.033
Dinitrotoluene (2,4- and 2,6-)	0.8	NA1	3.8	NA1	0.27	2	0.033	0.032
TOTAL BNA'S:	NS	NS	SN	NS	NS	2		¥
TOTAL TIC's:	SN	NS	NS	NS	NS	Ð		¥
TOTAL BNA'S & TIC's:	SN	NS	NS	NS	NS	2		¥

S S Environmental Project Name: B BROOK-DGA IAL SDG No:E21-03813

PCB's (mg/Kg)						Conc	. RL	MDL
Aroclor-1016	SN	NS	NS	NS	NS	2	0.00328	0.000984
Aroclor-1221	SN	NS	NS	NS	SN	Q	0.00328	0.000984
Aroclor-1232	SN	NS	NS	NS	NS	QN	0.00328	0.000984
Aroclor-1242	SN	SN	NS	SN	NS	Q	0.00328	0.000984
Aroclor-1248	SN	NS	NS	NS	NS	Q	0.00328	0.000984
Aroctor-1254	SN	NS	NS	SN	NS	Q	0.00328	0.000984
Aroclor-1260	SN	NS	SN	NS	NS	Q	0.00328	0.000984
Aroclor-1262	SN	SN	NS	NS	SN	QV	0.00328	0.000984
Aroclor-1268	SN	NS	NS	NS	NS	QN	0.00328	0.000984
PCBs	0.25	NA1	-	NA1	1.6	CN	0.00328	0.000984

S S Environmental Project Name: B BROOK-DGA IAL SDG No:E21-03813

Pesticides (mg/Kg)						Conc	Q R	MDL
alpha-BHC	0.086	NA1	0.41	NA1	0.0023	QN	0.000656	0.000164
beta-BHC	0.3	NA1	4.1	NA1	0.0046	Q	0.000656	0.000164
gamma-BHC (Lindane)	0.57	NA1	2.8	NA1	0.0035	Q	0.000656	0.000164
delta-BHC	SN	SN	SN	SN	NS	ð	0.000656	0.000164
Heptachlor	0.15	NA1	0.81	NA1	0.083	Q	0.000656	0.000164
Aldrin	0.041	NA1	0.21	NA1	0.13	Q	0.000656	0.000164
Heptachlor epoxide	0.076	NA1	0.4	NA1	0.081	Q	0.000656	0.000164
Endosulfan I	SN	NS	SN	SN	NS	Q	0.000656	0.000164
4,4'-DDE	2	NA1	11	NA1	0.47	9	0.000656	0.000164
Dieldrin	0.034	NA1	0.16	NA1	0.024	2	0.000656	0.000164
Endrin	19	NA1	270	NA1	1.6	2	0.000656	0.000164
Endosulfan II	SN	NS	NS	NS	SN	9	0.000656	0.000164
4,4'-DDD	2.3	NA1	11	NA1	0.47	2	0.000656	0.000164
Endrin aldehyde	SN	NS	NS	NS	NS	2	0.000656	0.000164
Endosulfan sulfate	SN	NS	SN	NS	SN	Q	0.000656	0.000164
4,4'-DDT	9:1	NA1	9.5	NA1	0.67	Q	0.000656	0.000164
Endrin ketone	SN	NS	NS	SN	SN	Q	0.000656	0.000164
Methoxychlor	320	NA1	4600	NA1	NA1	Q	0.000656	0.000164
alpha-Chlordane	SN	SN	NS	SN	SN	2	0.000656	0.000164
gamma-Chlordane	SN	NS	NS	NS	NS	Q	0.000656	0.000164
Toxaphene	0.49	NA1	2.3	NA1	6.2	Q	0.0082	0.00328
Endosulfan (I and II)	470	NA1	7800	NA1	NA1	Q	0.000656	0.000164
Chlordane (alpha and gamma)	0.27	NA2,3	1.4	NA2,3	1.4	Q	0.000656	0.000164

-EPH-C40 (mg/Kg)						Conc	ø	占	MDL
-C40	ecific4	NA1	Sample- specific4	NA1	NA6 (RL=80)	2		48.3	19.3

S S Environmental Project Name: B BROOK-DGA IAL SDG No:E21-03813

Metals (mg/Kg)						Conc		R	MDL
Aluminum	78000	NA2	NA1	NA2	NA2	28200	۵	51.0	25.5
Antimony	31	NA1	520	NA1	5.4	Q		0.510	0.204
Arsenic	19	1100	19	5200	19	0.647		0.510	0.049
Barium	16000	870000	260000	NA2	2100	23.1		0.510	0.255
Beryllium	160	2000	2600	9300	0.7	0.214	7	0.510	0.093
Cadmium	7.1	2600	1100	12000	1.9	0.123	7	0.510	0.040
Calcium	SN	NS	SN	NS	NS	23700		51.0	18.6
Chromium	SN	NS	SN	NS	NS	32.9		0.510	0.450
Cobalt	23	520	390	2500	06	18.0		0.510	0.153
Copper	3100	NA1	52000	NA1	910	104		0.510	0.357
Iron	SN	NS	SN	NS	NS	28300		51.0	15.3
Lead	400	NA1	800	NA1	06	2.15		0.510	0.255
Magnesium	SN	NS	NS	NS	NS	14400		51.0	15.3
Manganese	1900	87000	31000	400000	NA2	334		0.510	0.420
Mercury	23	520000	390	NA2,3	0.1	Q		0.025	0.010
Nickel	1600	20000	26000	93000	48	33.7		0.510	0.357
Potassium	SN	NS	SN	NS	NS	334		51.0	20.4
Selenium	390	NA1	6500	NA1	11	Q		3.57	1.53
Silver	390	NA1	6500	NA1	0.5	Q		0.510	0.163
Sodium	SN	NS	NS	NS	SN	3270		51.0	20.4
Thallium .	SN	NS	NS	NS	NS	Q		0.510	0.255
Vanadium	390	170000	0059	800000	NA6 (RL=2.5)	68.1		0.510	0.095
Zinc	23000	NA1	390000	NA1	930	28.2	-	5.10	1.02

General Analytical						Conc	ø	RL	MDL
Hexavalent Chromium-mg/Kg	SN	NS	NS	NS	SN	Q		1.00	0.378
Cyanide, Total-mg/Kg	47	NA2	780	NA2	20	Q		0.943	0.472
US-Hq	SN	NS	SN	NS	S	9.39		Š	Š Š
NJDEP Soil Remediation Standards: Remediation Standards N.J.A.C. 7:26D, May 2012; Amended May 17, 2021	nediation Standards N.J.	A.C. 7:26D, May 201;	2: Amended May 17.	2021					
									19-
BOLD Conc	Indicates a concentration th	ition that exceeds applicable criteria	licable criteria.						
BOLD RL	Indicates RL that exc	indicates RL that exceeds applicable criteria.	la						
BOLD MDL	Indicates MDL that exceeds	ceeds applicable criteria	eria						
NS = No Standard Available									
Sample not analyzed for									
NI) = Analyzed for but Not Detected at the MDL	⇒ MDL								
J - Concentration desected at a value below the RL and above the MDL	ow the RL and above the	MDL for target comp	for target compounds. For non-target compounds (i.e. TICs), qualifier indicates estimated concentrations	et compounds (i.e. TI	Cs), qualifier indica	ites estimated	concentra	ations.	
D - The compound was reported from the Diluted analysis	Diluted analysis								
All qualifiers on individual Volatiles & Semivolatiles are carried down through summation.	ivolatiles are carried dov	wn through summation	Ú						
* = Results from subcontracted laboratory									

# 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:	Stavola Cons	struction Materials, In	IC.	**	
Project:	Bound Brook	Quarry, New Jersey			
Subject:	Sampling an	d Laboratory Analysis	s of Aggregate	-Screenin	ıgs
Job No.:	21-E-04	Report Number:	21-E-42	Date:	06-30-2021

We present herewith the laboratory test results of one (1) aggregate sample, Screenings - SCR, collected by a representative of our firm on June 18, 2021.

As requested, the 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, including NJDEP-SRS parameters. The analyses were performed by Integrated Analytical Laboratories (IAL) (NJDEP Lab ID No. 14751) and Eurofins Test America Laboratory (TA) (NJDEP Lab ID No. 12028). The copies of sample chain-of-custody forms and laboratory summary reports with regulatory comparison tables are attached.

Based on the laboratory test results, the Screenings sample **meets the current** (May 17, 2021) NJDEP Soil Remediation Standards.

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) IAL/TA Sample Chain-of-Custody Forms, Laboratory Summary Reports with Regulatory Comparison Tables

cc: (1) Client (Attn: Mr. Robert VanNote)
e-mail: RVannote@stavola.com

Mografied Lournaries LC

Integrated Analytical Labs 273 Franklin Road Randolph, NJ 07869

**Chain of Custody Record** 

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

Customer Information	2		D				Rush TAT		Deliverables	ablos			200	
			кероппу шоппапоп	monna	ion		Charge		rchage may ap	Surchage may apply for regulatory		EDDs	Concentrations Expected	ns Expected
Company: S &S			Check here if same as "Customer Information"	same as "Cust	omer Informat	ou.	24 hr - 100%.	5	NJ, CT, PA	NY		NJ SRP	Med Wod	d High
Address:		REPORT TO:					48 hr - 75% 72 hr - 50%		Results Only (Lavel I)	☐ ASP Category	2	NYSDEC EQUIS	Known Hazard:	(azard:
		Address:					96 hr - 35% 5 day - 25%.	M	Reduced (Level IVIII)		lab ap	lab approved custom EDD	□ YES	ON NO
Telephone #: 973-239-600	(CO)						6-9 day - 10%	_	Regulatory/ Full* (Level IV)	☐ ASP Category B*	ž	NO EDD REQ'D	Describe:	
Project Manager:		Attn:						Turn-,	Turn-Around Time (TAT)	ie (TAT)		Regul	Regulatory Requirement	nent
Email Address(es):		INVOICE TO:				S	andard (10	business o	Standard (10 business days) Verbal			New Jersey	New York	York
		Address:				£ 0	Rush/date needed (only If pre-approved)**	pe pe, pe∧o.				□ GWQS	☐ AWQS (TOGS Table 1)	S Table 1)
Project Name: 8Brook-S	SCR					I	Hard Copy: Standard 3 week	Standard	13 week	Other - call for price		MS IGW	☐ GWEL (TOGS Table 5)	S Table 5)
Project Location (State):		Attn:					Petroleu	n Hydroc	arbons - Se	Petroleum Hydrocarbons - Selection is REQUIRED		SRS		Part 375-6.8(a) - Unrestricted
Bottle Order #:		PO#	7	21-038			150	NJ EPH-DRO - Category 1		TAT for PHC, #		_ Ecological	Part 375-6.8(b) · Restricted	) - Restricted
Report to "Invoice To" same as above	above	Quote #				4	NJ EPH-	NJ EPH-C40 - Category 2	T 20.	О стетри		Ma 🗆	CP-51 Table 2	CP-51 Table 2 or 3 (selection required)
Sampled by: ACT				Sample Matrix		0	NJ EPH-	NJ EPH-Fractionated - Cat 2	1 - Cat 2	☐ DRO-8015		SPLP	Other States / Criteria	s / Criteria
COMPLETED BY IAL:		DW - Drinking Water WW - Waste Water		S-Soil		-	- Of:	ANALYTIC	AL PARAME	ANALYTICAL PARAMETERS (please note if contingent)	e if conting	ent)	☐ Pennsylvania Act 2	a Act 2
Field Sampling Equipment Rental	nt Rental	GW - Groundwater SW - Surface Water		SED - Sediment SOL - Solid (specify)	nt pecify)		57 • • •		,				☐ CT RCSA 22a-133k1-k3	a-133k1-k3
SAMPLE INFORMATION	ION	LfQ - Liquid (specify) M - Multiphasic	ecify)	SL - Sludge W - Wipe					94				☐ TSCA PCBs	
Client ID	Depth (ft only)	Sampling	Bu	Matrix	78	* 1	<u>ال</u> ال	4	٦		e in the		OTHER Regulatory Requirements specify in comments	y Requirements -
		Date	Time		containers	_			)				Sample Specific Notes:	cific Notes:
21-038-5		17-81-9	220	501	2		1	7	/					No. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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Samples previously analyzed by IAL?		South		Press	Preservative (use code)	code)		-	-				TO THE PART OF	
	tive Code:	Code:		Contain	Container Type (use code)	(epoo	DE D	_	- 6					110
i e i		A = Amber Glass B = Plastic C = Vial D = Glass	Special II	SCR.	2C Requiren	SCIPPOLITY & Comments	ings:	(301)	7				SpG #:	22
Ö	4	E = EnCore T = Terracore		Relinquished by (S	bug arrigues	(Augubany)		Date	Time	AReceived b	y (Signature a	by (Signature and Company)	T Date	Time
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	☐ Client Courier ☐ FedEx/UPS***	urier og***												
IAL Rev 11/2019 LAB COPIES - WHITE & YELLOW; CLIENT COPY - PINK	Y - PINK			ertification IDs	TNI (TNI012	84); CT (PH	0699); NJ (147	51); NY (114	Certification IDe: TNI (TNI01284); CT (PH-0699); NJ (14751); NY (11402); PA (68-00773).	.3).			PAGE:   of	-

## **SAMPLE RECEIPT VERIFICATION**

CASE NO: <b>E 21</b> 03816 CLIENT: 6+5
COOLER TEMPERATURE: 2° - 6°C:✓ (See Chain of Custody)
COC: COMPLETE / INCOMPLETE  KEY  VOA received: Encore IGW - Methanol
⇒ = NO (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  CORRECTIVE ACTION REQUIRED: YES
If COC is NOT clear, <u>STOP</u> until you get client to authorize/clarify work.
CLIENT NOTIFIED: YES Date/ Time: NO PROJECT CONTACT: SUBCONTRACTED LAB: DATE SHIPPED:
ADDITIONAL COMMENTS:
VEDICIED TAKEN DV
VERIFIED/TAKEN BY: INITIAL 462 DATE 4/18/21

Client: S & S Environmental Project: B BROOK - SCR Lab Case No.: E21-03816

	).; E21-03610	00016 001	
Lab ID:		03816-001	
Client ID:		21-038-S	
Matrix:		Solid	
Sampled Date		6/18/21	
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		0.000972
Aroclor-1221	ND		0.000972
Aroclor-1232	ND		0.000972
Aroclor-1242	ND		0.000972
Aroclor-1248	ND		0.000972
Aroclor-1254	ND		0.000972
Aroclor-1260	ND		0.000972
Aroclor-1262	ND		0.000972
Aroclor-1268	ND		0.000972
PCBs	ND		0.000972

ND = Analyzed for but Not Detected at the MDL

Client: S & S Environmental Project: B BROOK - SCR Lab Case No.: E21-03816

Lab ID:		03816-001	
Client ID:		21-038-S	
Matrix:		Solid	
Sampled Date		6/18/21	
PARAMETER(Units)	Conc	Q Q	MDL
Pesticides (Units)		(mg/Kg)	
alpha-BHC	ND		0.000162
beta-BHC	ND		0.000162
gamma-BHC (Lindane)	ND		0.000162
delta-BHC	ND		0.000162
Heptachlor	ND		0.000162
Aldrin	ND		0.000162
Heptachlor epoxide	ND		0.000162
Endosulfan I	ND		0.000162
4,4'-DDE	ND		0.000162
Dieldrin	ND		0.000162
Endrin	ND		0.000162
Endosulfan II	ND		0.000162
4,4'-DDD	ND		0.000162
Endrin aldehyde	ND		0.000162
Endosulfan sulfate	ND		0.000162
4,4'-DDT	ND		0.000162
Endrin ketone	ND		0.000162
Methoxychlor	ND		0.000162
alpha-Chlordane	ND		0.000162
gamma-Chlordane	ND		0.000162
Toxaphene	ND		0.00324
Endosulfan (I and II)	ND		0.000162
Chlordane (alpha and gamma)	ND		0.000162
NJ-EPH-C40 (Units)		(mg/Kg)	
C9-C40	26.6	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.

Client: S & S Environmental Project: B BROOK - SCR Lab Case No.: E21-03816

	Lab ID:		03816-001	
	Client ID:		21-038-S	
	Matrix:		Solid	
	Sampled Date		6/18/21	
PARAMETER(Units)		Conc	Q	MDL
Metals (Units)			(mg/Kg)	
Aluminum		23800	D	25.0
Antimony		ND		0.200
Arsenic		0.631		0.048
Barium		27.2		0.250
Beryllium		0.183	J	0.091
Cadmium		ND		0.039
Calcium		18600		18.2
Chromium		22.4		0.441
Cobalt		15.1		0.150
Copper		88.7		0.350
Iron		24100		15.0
Lead		2.01		0.250
Magnesium		11900		15.0
Manganese		292		0.412
Mercury		ND		0.010
Nickel		33.1		0.350
Potassium		335		20.0
Selenium		ND		1.50
Silver		ND		0.160
Sodium		3460		20.0
Thallium		ND		0.250
Vanadium		53.2		0.093
Zinc		24.3		1.00
General Analytical (Unit	s)			
Hexavalent Chromium(mg	/Kg)	ND		0.378
Cyanide, Total(mg/Kg)		ND		0.490
pH by SW-846 9045D(SU	)	9.55		NA

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.

D = The compound was reported from the Diluted analysis

# Test America - Edison 777 New Durham Rd., Edison, NJ 08817

REPORTING & BILLING

CLIENT & PROJECT

Name: Integrated	Name: Integrated Analytical Laboratories LLC		Contact:	Thomas Malanga						Turna	Turnaround Time	ime					Report Format	Pormat	
			Fax#:			<u> </u>	Verbal/Fax	×I								Reduced	Reduced / Level III	Ш	
Address:	273 Franklin Road		EMail to:	tmalanga@ialonline.com	moo.		24 hr* 4	48 hr* 7	72 hr*	1 wk*	2 wk	Other:	6 Bus	6 Business Days	ıys				
	Randolph, NJ 07869		Report to:	Thomas Malanga		144	Hard Copy	>1								Spec	ial Req	Special Requirements	ts
			Address:				72 hr*	1 wk* 2	2 wk*	3 wk		Other:							
Telephone #:	973-361-4252						*Prior to sample arrival, Lab notification is required	sample	arrival,	Lab no	tificatio	n is req	iired.						
Fax #;	973-989-5288					L)										Preservative	ative		1
Project Name:	E21-03816		Invoice to:	Thomas Malanga			AN	ANALYTICAL PARAMETERS / PRESERVATIVES	IL PAR	4METE	RS/PR	ESERV	4TIVES			1 = HC 4 = H <sub>2</sub> 6	L; 2 = NaC 3O <sub>4</sub> ; 5= Me	$1 = HUL; 2 = NaOH; 3 = HNO_3$ $4 = H_2SO_4; 5 = MeOH; 6 = Other$	ر اer
Project Location (State): NJ	State): NJ		Address:			123	123	123	123	123	123	123	123	123	123	123	123	123	123
Project Manager:						SW/				$\vdash$									
Reference ID#:		PO#				DO sb													
SAMPLE INFORMATION	ORMATION					Л Сошрош 4 8270E)								Alexan					
			Samplino		d of							_							
Sample ID	Sample Depth (in Feet)	Date	Time	Matrix	Containers														
E21-03816-001		6/18/21	07:20	Solid	1	Run										-			
							-	-											
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Please print legibly a resolved.	Please print legibly and fill out completely. Samples cannot be processed and the turnaround time will not start until any ambiguities have been resolved.	amples cannot	be processed :	and the turnaround (	ime will not	start until	any ambig	rities have	_	COOLER TEMP.	EMP.	Concent	Concentrations Expected	pato		Known F	Known Hazard: yes	ou s	
	F.MAII.	CONF	TRMA	EMAIL CONFIRMATION REO	FOI	IIRED					ာ့	LOW MED	MED HI		Describe:				
				W 17071	, ,				2 1	te: 5-DAY	IAI - RE	14-1 14-1	Note: 5-DAY IAI - REPORT 1,4-DIOXANE ONLY	NEX					
CUSTODYLOG	90								21 	PRICING	ETAE OL	PG PRICING ETAE QUOTE 46034541-3	1541-3						

Signature/Company Received by: Received by: Received by: Date Signature/Company Relinquished by:

Relinquished by: Relinquished by:

Lab Case #

OF REV Feb 2013 PAGE:

TestAmerica Laboratories, Inc.

Eurofins TestAmerica, Edison Lab Job ID: 460-237099-1 Job Description: E21-03816 For: Integrated Analytical Laboratories LLC PO BOX 8026 Parsippany, New Jersey 07054

Client ID	NJ SRS7 26D Tbl1A	NJ SRS7 26D Tbl1B	NJDEP	ü	E21-03816-001
Lab Sample ID	Residential	Non-Residential	IGW Screening	7	460-237099-1
Sampling Date				06/18/2	06/18/2021 07:20:00
Matrix					Soi
Dilution Factor					
Unit	mg/kg	mg/kg	mg/kg		mg/ke
				Result	IdM
SOIL BY 8270E					
1,4-Dioxane	NA	NA	NA	0.030	0.030
Total Conc	NA	NA	AN	0.0	

U : Indicates the analyte was analyzed for but not detected.

Sample #:		i N	NJDEP SOIL REMEDIATION	NOI			21-038-S	
Field ID:			STANDARDS					
Lab ID;	Ingestion-	Inhalation	Ingestion-	Inhalation	Migration to		03816-001	
Date Sampled:	Dermal		Dermal		Ground		06/18/2021	
Depth(ft):	Residential	Residential (mo/Ko)	Nonresidential	Nonresidential	Water			
Weller to Many of the last	(66)	(Bright)	(By (Bir)	(Sußin)	(Bushin)	1		
Volatiles (mg/kg)	40000	3				U	۵ ۳	MDL
Dichlorodifiuoromethane	16000	NA1	260000	NA1	38	2	0.00105	0.000545
Chloromethane	ΑN	270	NA	1200	NA6 (RL=1700)	Q	0.00105	0.000333
Vinyl chloride	0.97	1.4	S	6.4	0.0067	2	0.00105	0.00034
Bromomethane	110	18	1800	82	0.043	Q	0.0021	0.000916
Chloroethane	AN	NA2,3	NA	NA2,3	NA6 (RL=1700)	QN	0.0021	0.000312
Trichlorofluoromethane	23000	NA1	390000	NA1	29	Q	0.00105	0.000426
1,1-Dichloroethene	11	52	180	240	0.0069	Q	0.00105	0.000368
Acetone	70000	NA1	NA1	NA1	19	Q	0.011	0.00193
Carbon disulfide	AN	NA2,3	NA	NA2,3	3.7	Q	0.00105	0.000413
Methylene chloride	90	1400	260	NA2,3	0.013	Q	0.0021	0.00181
trans-1,2-Dichloroethene	1300	NA1	22000	NA1	0.56	Q	0.00105	0.000372
Methyl tert-butyl ether (MTBE)	780	140	13000	650	0.25	Q	0.00105	0.000229
1,1-Dichloroethane	120	NA1	640	NA1	0.24	Q	0.00105	0.000268
cis-1,2-Dichloroethene	780	NA1	13000	NA1	0.35	Q	0.00105	0.000225
2-Butanone (MEK)	47000	NA2,3	780000	NA2,3	0.98	Q	0.0042	0.000525
Bromochloromethane	SN	NS	NS	NS	NS	Q	0.00105	0.000267
Chloroform	780	290	13000	NA2,3	0.33	Q	0.00105	0.000263
1,1,1-Trichloroethane	160000	NA2,3	NA1	NA2,3	0.2	Q	0.00105	0.000322
Carbon tetrachloride	9.7	1.4	40	6.9	0.0075	Q	0.00105	0.00021
1,2-Dichloroethane (EDC)	5.8	7.1	30	320	0.0095	Q	0.00105	0.000243
Benzene	က	2.2	16	11	0.0094	QN	0.00105	0.0000903
Trichloroethene	15	က	79	14	0.0065	Q	0,00105	0.000156
1,2-Dichloropropane	19	5.7	86	27	0.0058	QN	0.00105	0.000105
1,4-Dioxane	7	45	36	210	0.067	Q	0.210	0.061
Bromodichloromethane	7	NA1	59	NA1	0.005	Q	0.00105	0.000125
cis-1,3-Dichloropropene	SN	NS	SN	SN	NS	Q	0.00105	0.000161
4-Methyl-2-pentanone (MIBK)	NA	NA2,3	Ϋ́	NA2,3	NA6 (RL=3400)	Q	0.0021	0.000549
Toluene	6300	NA2,3	100000	NA2,3	7.8	Q	0.00105	0.000525
trans-1,3-Dichloropropene	SN	SN	NS	SN	SN	QN	0.00105	0,000117
1,1,2-Trichloroethane	12	NA1	64	NA1	0.017	Q	0.00105	0.000225
Tetrachloroethene	330	47	1700	NA2,3	0.0086	Q	0.00105	0,000108
2-Hexanone	390	1000	0059	NA2,3	0.15	QN	0.0021	0.00161
Dibromochloromethane	8.3	NA1	43	NA1	0.005	Q	0.00105	0.000174
1,2-Dibromoethane (EDB)	0.35	0.085	1.8	0.41	0.005	Q	0.00105	0.000194
Chlorobenzene	510	NA2,3	8400	NA2,3	0.64	Q	0.00105	0,000182
Ethylbenzene	7800	10	130000	48	15	Q	0,00105	0.000114
Total Xylenes	12000	NA2,3	190000	NA2,3	19	Q	0.0021	0.000408
Styrene	16000	NA2,3	260000	NA2,3	2.1	Q	0.0021	0.000226

S S Environmental Project Name: B BROOK - SCR IAL SDG No:E21-03816

Bromoform	. 88	NA1	460	NA1	0.018	QN	0,00105	0.000327
Isopropylbenzene	7800	NA2,3	130000	NA2,3	22	QN	0.00105	0.000224
1,1,2,2-Tetrachloroethane	3.5	NA1	18	NA1	0.0069	Q	0.00105	0.000549
1,3-Dichlorobenzene	0029	NA1	110000	NA1	7	QN	0.00105	0.000278
1,4-Dichlorobenzene	780	NA2,3	13000	NA2,3	1.4	QN	0.00105	0.000326
1,2-Dichlorobenzene	0029	NA2,3	110000	NA2,3	7	QN	0.00105	0.000264
1,2-Dibromo-3-chloropropane	0.87	0.026	4.5	0.12	0.005	QN	0.00105	0.000865
1,2,4-Trichlorobenzene	780	94	13000	NA2,3	0.52	Q	0.0021	0.000441
1,2,3-Trichlorobenzene	NS	NS	SN	NS	NS	Q	0.0021	0.000334
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA2,3	AN A	NA2,3	NA1	QN	0.0021	0.000627
Methyl acetate	78000	NA1	NA1	NA1	22	Q	0.00525	0.000848
Cyclohexane	NA	NA2,3	NA	NA2,3	NA6 (RL=65)	Q	0.00105	0.000189
Methylcyclohexane	NS	NS	NS	NS	NS	Q	0.00105	0.000181
1,3-Dichloropropene (cis- and trans-)	7	4.8	36	23	0.0063	Q	0.00105	0.000161
TOTAL VO'S:	NS	NS	NS	NS	NS	Q		¥
TOTAL TIC's:	NS	NS	NS	NS	NS	2		¥
TOTAL VO's & TIC's:	NS	NS	NS	NS	NS	2		¥

Semivolatiles - BNA (mg/Kg)						Conc	귤	MDI
Benzaldehyde	170	NA1	910	NA1	NA6 (RL=0.33)	Q	0.033	0.027
Phenoi	19000	39000	270000	NA2,3	21	QN	0.033	0.033
Bis(2-chloroethyl) ether	0.63	NA1	3.3	NA1	0.33	Q	0.033	0.027
2-Chlorophenol	390	NA1	6500	NA1	0.76	Q	0.033	0.027
2-Methylphenol	320	NA1	4600	NA1	72.0	Q	0.033	0.020
2,2'-Oxybis(1-Chloropropane)	3100	NA1	52000	NA1	6.1	Q	0.033	0.032
4-Methylphenol **	630	NA1	9100	NA1	0.75	Q	0.033	0.024
N-Nitrosodi-n-propylamine	0.17	NA1	0.36	NA1	0.17	Q	0.033	0.024
Acetophenone	7800	NA1	130000	NA1	3.6	QN	0.033	0.028
Hexachloroethane	17	NA2,3	91	NA2,3	0.17	Q	0.033	0.027
Nitrobenzene	160	7.5	2600	36	0.17	Q	0.033	0.022
Isophorone	929	NA2,3	2700	NA2,3	0.23	Q	0.033	0.025
2-Nitrophenol	SN	NS	NS	NS	NS	QN	0.033	0.031
2,4-Dimethylphenol	1300	NA1	18000	NA1	2.3	Q	0.033	0.020
Bis(2-chloroethoxy) methane	190	NA1	2700	NA1	NA6 (RL=0.17)	QN	0.033	0.027
2,4-Dichlorophenol	190	NA1	2700	NA1	0.19	Q	0.033	0.027
Naphthalene	2500	5.7	34000	27	19	Q	0.033	0.027
4-Chloroaniline	2.7	NA1	13	NA1	0.23	Q	0.033	0.023
Hexachlorobutadiene	SN	NS	NS	SN	NS	Q	0.033	0.021
Caprolactam	32000	290	460000	1300	16	Q	0.033	0.026
4-Chloro-3-methylphenol	SN	NS	NS	NS	NS	QN	0.033	0.023
2-Methylnaphthalene	240	NA1	3300	NA1	3.1	Q	0.033	0.022
Hexachlorocyclopentadiene	470	2.7	7800	NA2,3	2.5	Q	0.033	0.029
2,4,6-Trichlorophenol	49	NA1	230	NA1	0.86	Q	0.033	0.027
2,4,5-Trichlorophenol	6300	NA1	91000	NA1	89	Q	0.033	0.029
1,1'-Biphenyl	87	NA1	450	NA1	NA1	Q	0.033	0.028
2-Chloronaphthalene	4800	NA1	67000	NA1	NA1	QN	0.033	0.026
2-Nitroaniline	SN	SN	NS	SN	SN	Q	0.033	0.026
Dimethyl phthalate	SN	NS	NS	NS	NS	Q	0.033	0.025
2,6-Dinitrotoluene	SN	NS	NS	NS	SN	Q	0.033	0.032
Acenaphthylene	SN	NS	NS	SN	NS	Q	0.033	0.027
3-Nitroaniline	SN	NS	NS	SN	NS	Q	0.033	0.025
Acenaphthene	3600	NA1	20000	NA1	NA1	Q	0.033	0.028
2,4-Dinitrophenol	130	NA1	1800	NA1	0.33	Q	0.033	0.032
4-Nitrophenol	SN	SN	NS	SN	NS	Q	0.033	0.031
2,4-Dinitrotoluene	SN	NS	NS	SN	SN	QN	0.033	0.030
Dibenzofuran	SN	SN	NS	NS	SN	Q	0.033	0.025
Diethyl phthalate	51000	NA1	730000	NA1	44	Q	0.033	0.020
Fluorene	2400	NA	33000	NA1	NA1	Q	0.033	0.029
4-Chlorophenyl phenyl ether	SN	SN	NS	SN	SN	QN	0.033	0.028
4-Nitroaniline	27	NA2,3	130	NA2,3	NA6 (RL=0.33)	QN	0.033	0.021
1,2,4,5-Tetrachlorobenzene	23	NA1	390	NA1	NA6 (RL=0.17)	Q	0.033	0.024
2,3,4,6-Tetrachlorophenol	1900	NA1	27000	NA1	26	Q	0.033	0.029
4,6-Dinitro-2-methylphenol	SN	NS	NS	NS	SN	Q	0.033	0.032
N-Nitrosodiphenylamine	110	NA1	520	NA1	1.1	Q	0.033	0.032

Standards are based upon published regulatory information, Users are encouraged to consult appropriate regulatory sources for current values and updates, IAL assumes no responsibility for the accuracy of these values,

S S Environmental Project Name: B BROOK - SCR IAL SDG No:E21-03816

4-Bromophenyl phenyl ether	SN	NS	SN	SN	NS	Q	0.033	0.023
Hexachlorobenzene	0.43	NA1	2.3	NA1	0.17	Q	0.033	0.024
Atrazine	220	NA1	3200	NA1	0.33	Q	0.033	0.025
Pentachlorophenol	-	NA1	4.4	NA1	0.33	9	0.033	0.022
Phenanthrene	SN	SN	NS	NS	NS	Q	0.033	0.032
Anthracene	18000	NA1	250000	NA1	NA1	9	0.033	0.033
Carbazole	SN	NS	NS	SN	NS	2	0.033	0.030
Di-n-butyl phthalate	6300	NA1	91000	NA1	NA1	9	0.033	0.028
Fluoranthene	2400	NA1	33000	NA1	NA1	2	0.033	0.032
Pyrene	1800	NA1	25000	NA1	NA1	9	0.033	0.030
Butyl benzyl phthalate	290	NA1	1300	NA1	29	2	0.033	0.031
3,3'-Dichlorobenzidine	1.2	NA1	5.7	NA1	3.9	9	0.033	0.030
Benzo[a]anthracene	5.1	78000	23	370000	0.71	9	0.033	0.020
Chrysene	510	NA2,3	2300	NA2,3	NA1	9	0.033	0.031
Bis(2-ethylhexyl) phthalate	39	NA1	180	NA1	14	Q	0.033	0.030
Di-n-octyl phthalate	630	NA1	9100	NA1	NA1	2	0.033	0.031
Benzo[b]fluoranthene	5.1	78000	23	370000	NA1	Q	0.033	0.032
Benzo[k]fluoranthene	51	780000	230	NA2,3	NA1	Q	0.033	0.028
Benzo[a]pyrene	0.51	3500	2.3	16000	NA1	9	0.033	0.029
Indeno[1,2,3-cd]pyrene	5.1	78000	23	370000	NA1	Q	0.033	0.032
Dibenz[a,h]anthracene	0.51	7800	2.3	37000	NA1	9	0.033	0.031
Benzo[g,h,i]perylene	SN	NS	SN	NS	NS	2	0.033	0.033
Dinitrotoluene (2,4- and 2,6-)	0.8	NA1	3.8	NA1	0.27	Q	0.033	0.032
TOTAL BNA'S:	NS	NS	SN	SN	SN	Q		A A
TOTAL TIC's:	SN	NS	NS	NS	SN	2		Ą
TOTAL BNA'S & TIC's:	SN	NS	SN	NS	NS	Q		¥

S S Environmental Project Name: B BROOK - SCR IAL SDG No:E21-03816

PCB's (mg/Kg)						Conc	Q RL	L
Aroclor-1016	SN	SN	SN	NS	NS	Q	0.00324	Ē
Aroclor-1221	SN	SN	SN	SN	NS	9	0.00324	0.000972
Aroclor-1232	SN	SN	SN	SN	SN	Q	0.00324	L
Aroclor-1242	SN	SN	SN	NS	SN	Q	0.00324	Ĭ
Aroclor-1248	SN	SN	NS	SN	NS	2	0.00324	
Aroclor-1254	SN	NS	NS	NS	NS	Q	0.00324	
Aroclor-1260	SN	NS	NS	NS	NS	S	0.00324	Ĭ
Aroclor-1262	SN	SN	SN	NS	NS	Q	0.00324	Ĭ
Aroclor-1268	SN	NS	SN	NS	SN	Q	0.00324	Ľ
PCBs	0.25	NA1	1.1	NA1	1.6	Q	0.00324	ľ

S S Environmental Project Name: B BROOK - SCR IAL SDG No:E21-03816

Pesticides (mg/Kg)						Conc	Q F	MDF
alpha-BHC	0.086	NA1	0.41	NA1	0.0023	Q	0.0	o
beta-BHC	0.3	NA1	1.4	NA1	0.0046	Q	0.000648	H
gamma-BHC (Lindane)	0.57	NA1	2.8	NA1	0.0035	Q	0.000648	F
delta-BHC	SN	NS	SN	SN	NS	Q	0.000648	F
Heptachlor	0.15	NA1	0.81	NA1	0.083	Q	0.000648	48 0.000162
Aldrin	0.041	NA1	0.21	NA1	0.13	2	0.000648	
Heptachlor epoxide	0.076	NA1	0.4	NA1	0.081	Q	0.000648	F
Endosulfan I	SN	NS	SN	NS	NS	Q	0.000648	Ē
4,4'-DDE	2	NA1	11	NA1	0.47	Q	0.000648	F
Dieldrin	0.034	NA1	0.16	NA1	0.024	2	0.000648	48 0.000162
Endrin	19	NA1	270	NA1	1.6	Q	0.000648	48 0.000162
Endosulfan II	SN	NS	SN	NS	NS	9	0.000648	48 0.000162
4,4'-DDD	2.3	NA1	11	NA1	0.47	2	0.000648	48 0.000162
Endrin aldehyde	NS	NS	NS	NS	NS	Q	0.000648	48 0.000162
Endosulfan sulfate	SN	SN	NS	NS	NS	Q	0.000648	48 0.000162
4,4'-DDT	1.9	NA1	9.5	NA1	0.67	2	0.000648	48 0.000162
Endrin ketone	NS	NS	SN	SN	NS	2	0.000648	48 0.000162
Methoxychlor	320	NA1	4600	NA1	NA1	2	0.000648	48 0.000162
alpha-Chlordane	SN	NS	SN	NS	NS	9	0.000648	48 0.000162
gamma-Chlordane	SN	NS	NS	SN	SN	2	0.000648	48 0.000162
Toxaphene	0.49	NA1	2.3	NA1	6.2	Q	0.0081	1 0.00324
Endosulfan (I and II)	470	NA1	7800	NA1	NA1	2	0.000648	48 0.000162
Chlordane (alpha and gamma)	0.27	NA2,3	1.4	NA2,3	1.4	2	0.000648	48 0.000162

J-EPH-C40 (mg/Kg)						Conc	Ø	RL	MDL
9-C40	Sample- specific4	NA1	Sample- specific4	NA1	NA6 (RL=80)	26.6	J. 4	48.7	

S S Environmental Project Name: B BROOK - SCR IAL SDG No:E21-03816

Metals (mg/Kg)						Conc	L	یا	MDL
Aluminum	78000	NA2	NA1	NA2	NA2	23800	D 5	0.0	25.0
Antimony	31	NA1	520	NA1	5.4	Q	Ö	0.500	0.200
Arsenic	19	1100	19	5200	19	0.631	Ö	200	0.048
Barium	16000	870000	260000	NA2	2100	27.2	Ö	200	0.250
Beryllium	160	2000	2600	9300	0.7	0.183	0	200	0.091
Cadmium	7.1	2600	1100	12000	1.9	Q	0	200	0.039
Calcium	SN	NS	SN	NS	NS	18600	กั	0.0	18.2
Chromium	SN	SN	NS	SN	NS	22.4	0	000	0.441
Cobalt	23	520	390	2500	06	15.1	0	000	0.150
Copper	3100	NA1	52000	NA1	910	88.7	ö	000	0.350
Iron	NS	SN	SN	NS	NS	24100	ū	0.0	15.0
Lead	400	NA1	800	NA1	06	2.01	0	200	0.250
Magnesium	SN	SN	SN	NS	NS	11900	ū	0.0	15.0
Manganese	1900	87000	31000	400000	NA2	292	Ö	000	0.412
Mercury	23	520000	390	NA2,3	0.1	Q	0	125	0.010
Nickel	1600	20000	26000	93000	48	33.1	Ö	000	0.350
Potassium	SN	SN	NS	SN	NS	335	ũ	0.0	20.0
Selenium	390	NA1	6500	NA1	11	2	e,	20	1.50
Silver	390	NA1	6500	NA1	0.5	Q	Ö	200	0.160
Sodium	SN	NS	NS	NS	NS	3460	ũ	0.0	20.0
Thallium	SN	NS	NS	NS	SN	Q	Ö	000	0.250
Vanadium	390	170000	6500	800000	NA6 (RL=2.5)	53,2	Ö	000	0.093
Zinc	23000	NA1	390000	NA1	930	24.3	ίΩ	8	1.00

General Analytical						Conc	a	牊	MDL
Hexavalent Chromium-mg/Kg	SN	NS	NS	NS	NS	Q		1.00	0.378
Cyanide, Total-mg/Kg	47	NA2	780	NA2	20	Q		0.980	0.490
US-Hq	SN	SN	SN	SN	SN	9.55		¥	¥.
NJDEP Soil Remediation Standards: Remediation Standards N.J.A.C. 7:26D. May 2012: Amended May 17, 2021	ediation Standards N.J.A	.C. 7:26D. May 201;	2: Amended May 17	3021					
	i di								
BOLD Conc	Indicates a concentration that exceeds applicable criteria	ion that exceeds app	olicable criteria.						
BOLD RL	Indicates RL that exceeds applicable criteria	eds applicable criter	Ia						
BOLD MDL	Indicates MDL that exceeds	ceeds applicable criteria,	eria						
NS = No Standard Available									
NE) = Analyzed for but Not Detected at the MDL	MDL						L		
Unit 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	w the RL and above the	MDL for target comp	younds. For non-targe	it compounds (i.e. Ti	Cs), qualifier indicate	s estimated co	ncentratio	ns.	
1) = The compound was reported from the Diluted analysis	Diluted analysis								
All qualifiers on individual Volatiles & Semivolatiles are carried down throu	volatiles are carried down	n through summation	U						