

Appendix J

Clean Fill Documentation

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Clean Fill Documentation - Dense-Graded Aggregate and Open Grade Stone Load Reports

Appendix J-1
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Dense-Graded Aggregate and Open Grade Stone Load Reports
AI Smith Moving, Garfield Avenue Group
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This appendix provides a list of quarry material load reports for dense-graded aggregate (DGA) and open grade stone (OGS) used for backfill and restoration at the AI Smith Moving property (ASM) of the Garfield Avenue Group Sites in Jersey City, New Jersey (NJ). The licensed material was supplied by Tilcon (from their licensed mine facilities at 625 Mt. Hope Road, Wharton, NJ and Broad Street, Pompton Lakes, NJ), which are permitted to operate as commercial quarries by the New Jersey Department of Environmental Protection.

ASM was backfilled concurrently with portions of Site 133 East and Site 135. As the backfilling occurred concurrently, the tonnage includes backfill placed in ASM and portions of Site 133 East and Site 135. Note that four loads of OGS were brought onsite in July 2017 prior to excavation for the construction of a decontamination/access pad.

AI Smith Moving

Profile	Loads	Tons
Dense-Graded Aggregate	882	22,863
Open Grade Stone	16	412
Total	898	23,275

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Dense-Graded Aggregate (DGA)

Date	Load	Ticket	Net Weight (tons)	Daily Tonnage
9/20/2017	1	42541142	26.65	
	2	42541161	25.91	
	3	42541173	25.92	
	4	4254124	27.01	
	5	42541440	26.12	
	6	42541456	26.36	
	7	41886029	25.91	
	8	41886095	25.04	
	9	41886096	25.10	
	10	41886100	26.00	
	11	41886101	26.10	
	12	41886102	24.93	
	13	41886103	24.65	
	14	41886104	26.01	
	15	41886105	25.80	387.51
9/21/2017	1	42541801	26.01	
	2	42541804	26.78	
	3	41886618	25.98	
	4	41886643	25.08	
	5	41886656	25.44	
	6	41886681	26.59	
	7	41886749	25.00	
	8	41886992	25.81	
	9	41886996	25.45	
	10	41887040	25.26	257.40
9/22/2017	1	41887242	26.76	
	2	41887254	24.04	
	3	41887255	26.01	
	4	41887256	26.00	
	5	41887257	24.65	
	6	41887260	26.18	
	7	41887262	26.04	
	8	41887264	25.54	
	9	41887265	24.43	
	10	41887266	26.11	
	11	41887267	25.53	281.29
9/23/2017	1	42542088	25.17	
	2	42542092	25.53	
	3	42542103	26.14	
	4	42542157	26.47	

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Date	Load	Ticket	Net Weight (tons)	Daily Tonnage
	5	42542158	26.32	
	6	41887343	24.31	
	7	41887375	25.86	
	8	41887452	24.73	
	9	41887469	25.61	230.14
9/25/2017	1	41888070	25.64	
	2	41888071	24.44	
	3	41888074	25.14	
	4	41888075	25.15	
	5	41888076	26.56	
	6	41888078	24.62	
	7	41888081	25.42	
	8	41888084	25.80	
	9	41888086	25.81	
	10	41888087	25.32	
	11	41888090	25.87	279.77
9/26/2017	1	41888755	25.28	
	2	41888757	25.40	
	3	41888763	26.72	
	4	41888764	26.60	
	5	41888538	24.94	
	6	41888539	24.87	
	7	41888546	24.26	178.07
9/28/2017	1	41889697	24.21	
	2	41889704	25.46	49.67
9/29/2017	1	42543698	26.24	
	2	42543701	26.89	53.13
10/2/2017	1	41800952	25.01	
	2	41800964	24.91	
	3	41801016	25.83	
	4	41801025	25.93	
	5	41801027	25.41	
	6	41801028	25.63	
	7	41801029	26.50	
	8	41801031	25.79	
	9	41801032	25.70	
	10	41801033	25.26	
	11	41801035	26.15	
	12	41801036	25.91	
	13	41801038	26.48	

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Date	Load	Ticket	Net Weight (tons)	Daily Tonnage
	14	41801039	24.67	
	15	41801048	25.29	
	16	41801049	25.84	
	17	41801051	26.51	
	18	41801053	25.81	
	19	41801059	26.36	
	20	41801061	26.58	
	21	41801062	26.39	
	22	41801074	25.87	
	23	41801307	24.36	592.19
10/3/2017	1	41801531	25.61	
	2	41801553	25.33	
	3	41801558	25.86	
	4	41801565	25.54	
	5	41801569	26.18	
	6	41801597	24.46	
	7	41801599	25.51	
	8	41801605	24.11	
	9	41801612	26.68	
	10	41801613	25.45	
	11	41801614	25.90	
	12	41801615	25.85	
	13	41801616	25.27	
	14	41801618	25.24	
	15	41801626	25.57	
	16	41801633	27.12	
	17	41801659	25.15	
	18	41801882	24.73	459.56
10/4/2017	1	41802029	24.82	
	2	41802033	25.89	
	3	41802036	25.70	
	4	41802046	26.47	
	5	41802047	25.04	
	6	41802049	25.34	
	7	41802051	26.05	
	8	41802055	26.62	
	9	41802062	26.99	
	10	41802082	26.49	
	11	41802083	26.63	
	12	41801094	24.87	

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Date	Load	Ticket	Net Weight (tons)	Daily Tonnage
	13	41802097	25.35	
	14	41802108	25.26	
	15	41802112	26.38	
	16	41802113	25.71	
	17	41802116	25.71	
	18	41802117	25.50	
	19	41802119	25.88	
	20	41802120	25.70	
	21	41802121	25.80	
	22	41802122	26.50	
	23	41802124	25.89	
	24	41802125	25.72	
	25	41802127	24.46	
	26	41802129	26.48	
	27	41802131	25.95	
	28	41802132	24.93	
	29	41802133	26.37	
	30	41802134	25.64	
	31	41802135	25.15	
	32	41802136	25.12	
	33	41802147	25.53	
	34	41802053	25.87	
	35	41801302	25.89	
	36	41802297	25.04	
	37	41802441	24.94	951.68
10/6/2017	1	41803257	26.34	
	2	41803221	26.85	
	3	41803313	26.59	
	4	41803314	25.63	105.41
10/9/2017	1	41804297	25.15	
	2	41804303	26.57	
	3	41804305	25.72	
	4	41804306	26.44	
	5	41804309	25.24	
	6	41804311	25.96	
	7	41804313	25.88	
	8	41804317	25.55	
	9	41804318	25.22	
	10	41804321	25.58	
	11	41804327	25.46	

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Date	Load	Ticket	Net Weight (tons)	Daily Tonnage
	12	42545520	25.59	
	13	42545552	25.17	
	14	42545559	25.88	
	15	42545567	26.89	
	16	42545571	26.22	
	17	42545679	26.85	
	18	42545685	25.52	
	19	42545842	25.52	
	20	42545850	25.05	
	21	42545852	26.12	
	22	4254676	25.54	
	23	41804329	26.73	
	24	41804333	25.86	
	25	41804335	26.62	
	26	41804320	26.17	672.50
10/10/2017	1	42545888	25.69	
	2	42545894	26.43	
	3	42545896	26.55	
	4	42545906	25.54	
	5	42545912	25.71	
	6	42545920	25.26	
	7	42545980	25.84	
	8	42545982	25.46	
	9	42545985	26.11	
	10	42545990	26.27	
	11	42546000	25.72	
	12	42546051	25.52	
	13	42546052	25.37	
	14	42546053	25.95	
	15	42546070	25.97	387.39
10/11/2017	1	42546183	26.17	
	2	42546237	26.55	
	3	42546302	26.01	
	4	41806282	24.66	
	5	41806314	25.93	
	6	42546388	26.66	
	7	42546188	26.82	
	8	42546191	26.00	
	9	42546196	26.19	
	10	41804639	24.72	

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Date	Load	Ticket	Net Weight (tons)	Daily Tonnage
	11	41804662	25.38	
	12	41804663	24.51	
	13	42546296	25.77	
	14	42546237	26.55	
	15	42546203	26.39	388.31
10/12/2017	1	41806279	25.73	
	2	41806352	23.42	
	3	41806353	24.50	
	4	41806369	24.84	
	5	41806433	22.73	
	6	41806439	24.97	
	7	41806501	25.47	
	8	41806565	24.91	
	9	41806567	25.98	
	10	41806571	25.72	248.27
10/18/2017	1	42548020	27.25	
	2	42548036	25.72	
	3	42548038	25.98	
	4	42548087	25.77	104.72
11/2/2017	1	42551873	26.25	
	2	42551846	26.76	
	3	42551832	25.79	
	4	41814870	25.69	
	5	41814877	24.22	
	6	41814880	24.96	
	7	41814881	25.81	
	8	42551841	25.79	205.27
11/8/2017	Missing tickets		205	205.00
11/28/2017	1	42557322	26.07	
	2	42557261	24.84	
	3	42557262	24.71	
	4	42557320	25.47	
	5	42557316	25.99	
	6	42557310	25.92	
	7	42557249	24.42	
	8	42557248	25.28	202.70
11/29/2017	1	41825471	25.43	
	2	41825462	24.42	
	3	42557512	24.99	
	4	41825513	24.71	

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Date	Load	Ticket	Net Weight (tons)	Daily Tonnage
	5	41825548	24.75	
	6	41825472	25.50	
	7	41825514	25.12	
	8	41825474	23.97	198.89
12/5/2017	21	42558763	24.54	
	22	42558764	24.04	
	25	42558767	26.16	
	26	42558768	26.57	
	28	42558770	24.91	
	31	42558779	24.42	
	32	42558788	24.89	
	33	42558790	25.00	
	34	42558795	24.67	
	35	42558803	25.40	
	36	42558809	25.76	
	44	42558836	24.50	
	45	42558837	25.97	
	47	42558842	26.26	
	48	42558844	26.09	
	49	42558846	26.56	
	50	42558851	26.79	
	51	42558852	24.90	
	52	42558853	26.13	
	53	42558854	26.64	
	57	42558863	26.11	
	58	42558864	26.86	
	59	42558866	25.73	
	60	42558868	26.73	
	61	42558869	24.63	
	62	42558870	26.21	
	63	42558871	24.49	
	64	42558872	24.82	
	66	42558875	26.45	
	108	41827697	25.93	
	111	41827750	24.67	
	112	41827796	24.26	
	113	41827797	26.48	
	114	41827798	25.10	
	115	41827801	25.24	
	124	41827856	25.43	919.34

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Dense-Graded Aggregate (DGA)

Date	Load	Ticket	Net Weight (tons)	Daily Tonnage
12/6/2017	1	41828169	25.22	
	2	41828170	25.58	
	3	41828173	26.29	
	4	41828174	26.34	
	5	41828178	26.63	
	6	41828182	26.87	
	7	41828186	25.95	
	8	41828189	25.53	
	9	41828191	26.10	
	10	41828193	25.92	
	11	41828195	26.34	
	12	41828201	27.19	
	13	41828207	26.17	
	14	41828208	23.43	
	15	41828209	25.21	
	16	41828213	25.35	
	17	41828214	25.29	
	18	41828223	26.82	
	19	41828230	26.06	
	20	42558941	25.18	
	21	42558949	24.04	
	22	42558950	24.55	
	23	42558951	25.81	
	24	42558961	25.64	
	25	42558962	25.76	
	26	42558963	26.03	
	27	42558966	26.17	
	28	42558985	26.21	
	29	42558987	26.68	
	30	42558992	25.11	
	31	42558994	25.17	
	32	42559062	24.86	
	33	41828184	26.41	
	34	42558964	26.85	
	35	42558986	27.07	
	36	42558988	26.58	
	37	42558996	25.98	
	38	42558997	26.58	
	39	42559001	24.50	
	40	42559003	25.13	1032.60

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Date	Load	Ticket	Net Weight (tons)	Daily Tonnage
12/7/2017	1	42559156	26.88	
	2	42559190	24.72	
	3	42559192	24.91	
	4	42559193	25.30	
	5	42559184	25.21	
	6	42559185	24.62	
	7	42559200	25.13	
	8	42559229	25.69	
	9	42559233	26.65	
	10	42559234	25.75	
	11	42559235	25.58	
	12	42559236	26.31	
	13	42559241	25.36	
	14	42559244	26.90	
	15	42559247	26.92	
	16	42559248	25.70	
	17	41828696	24.68	
	18	41828719	25.46	
	19	41828720	24.88	
	20	41828728	26.25	
	21	41828802	27.20	
	22	41828803	26.11	
	23	41828812	26.19	592.40
12/8/2018	1	42559430	24.76	
	2	42559437	24.55	
	3	42559439	24.84	
	4	42559491	26.68	
	5	42559512	27.19	
	6	42559514	27.26	
	7	42559517	26.09	
	8	42559521	25.48	
	9	42559524	25.92	
	10	42559525	25.46	
	11	42559526	26.26	
	12	42559527	26.17	
	13	42559529	26.25	336.91
12/11/2017	1	42559709	26.28	
	2	42559710	26.63	
	3	42559719	25.60	
	4	41829558	25.76	

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Dense-Graded Aggregate (DGA)

Date	Load	Ticket	Net Weight (tons)	Daily Tonnage
	5	41829559	26.20	
	6	41829560	26.05	
	7	41829561	25.61	
	8	41829563	25.55	207.68
12/12/2017	1	42559968	26.71	
	2	42560097	25.80	
	3	42560098	25.80	
	4	42560100	24.40	
	5	42560103	26.09	
	6	42559957	26.07	
	7	42559961	27.32	
	8	42560104	26.27	
	9	42560105	26.87	
	10	42560110	26.12	261.45
12/14/2017	1	42560397	22.67	
	2	42560398	26.22	
	3	42560399	25.87	
	4	42560403	24.53	
	5	42560410	25.51	
	6	42560415	25.38	
	7	42560416	25.76	
	8	42560417	25.66	
	9	42560446	26.17	
	10	42560464	25.54	
	11	42560470	26.09	
	12	42560486	26.64	
	13	41830593	24.68	
	14	41830594	25.72	356.44
12/18/2017	1	42560775	26.77	
	2	42560784	26.21	
	3	42560786	26.51	
	4	42560819	26.74	106.23
12/20/2017	1	41832254	26.05	26.05
12/21/2017	1	41832417	25.84	
	2	41832418	25.32	
	3	41832424	25.67	
	4	41832521	26.31	
	5	41832534	25.49	
	6	41832617	25.22	153.85
12/22/2017	1	42561628	26.03	

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Date	Load	Ticket	Net Weight (tons)	Daily Tonnage
	2	42561629	26.05	
	3	42561636	25.72	
	4	42561637	26.74	
	5	42561638	26.75	
	6	42561670	25.28	156.57
12/26/2017	1	41833190	24.55	
	2	41833191	26.08	
	3	41833192	25.54	
	4	41833193	24.36	
	5	41833194	24.65	125.18
1/3/2018	1	42562245	26.80	
	2	42562255	25.84	
	3	42562257	24.88	
	4	42562258	25.53	
	5	42562260	26.07	
	6	42562262	25.06	
	7	42562263	26.19	180.37
1/4/2018	1	42562298	26.02	
	2	42562300	25.94	
	3	42562302	26.63	
	4	42562303	26.48	
	5	42562308	26.78	131.85
1/5/2018	1	42562311	25.33	
	2	42562312	25.28	
	3	42562317	26.08	
	4	42562318	25.88	
	5	42562319	26.37	
	6	42562321	25.64	
	7	42562324	25.77	
	8	42562325	25.90	
	9	42562326	25.60	
	10	42562322	25.79	
	11	42562323	25.58	283.22
1/8/2018	1	42562329	24.51	
	2	42562330	26.52	
	3	42562331	26.09	
	4	42562332	24.25	
	5	42562333	24.92	
	6	42562334	24.71	
	7	42562335	25.42	

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Date	Load	Ticket	Net Weight (tons)	Daily Tonnage
	8	42562336	27.01	
	9	42562337	25.87	
	10	42562338	24.09	
	11	42562339	25.46	
	12	42562340	25.48	
	13	42562341	26.66	
	14	42562342	26.16	
	15	42562343	25.80	
	16	42562344	25.10	
	17	42562345	26.24	
	18	42562347	24.64	
	19	42562348	25.22	
	20	42562350	26.60	
	21	42562351	25.57	
	22	42562377	26.79	
	23	42562378	27.11	
	24	42562381	26.06	
	25	42562385	25.01	
	26	42562387	25.62	
	27	42562407	26.26	
	28	42562409	25.54	
	29	42562418	25.89	
	30	42562420	26.01	
	31	42562422	27.27	
	32	42562423	25.86	
	33	42562424	27.08	
	34	42562425	25.09	
	35	42562427	23.67	
	36	42562429	26.66	
	37	42562430	25.11	
	38	42562431	25.95	
	39	42562432	25.20	
	40	42562434	25.63	
	41	42562435	25.61	
	42	42562436	25.60	
	43	42562438	26.52	
	44	42562439	25.91	
	45	42562440	25.82	
	46	41834048	27.04	
	47	41834050	26.46	

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Dense-Graded Aggregate (DGA)

Date	Load	Ticket	Net Weight (tons)	Daily Tonnage
	48	41834051	25.57	
	49	41834052	25.23	
	50	41834054	25.42	
	51	41834055	25.78	
	52	41834058	26.46	
	53	41834061	25.32	
	54	41834067	26.52	
	55	41834068	25.83	
	56	41834086	25.66	
	57	41834088	25.59	
	58	41834090	26.60	
	59	41834093	25.68	
	60	41834097	25.60	
	61	41834099	25.52	
	62	41834104	25.18	
	63	41834105	24.94	
	64	41834109	25.85	
	65	41834116	25.63	1673.47
1/9/2018	1	41834218	24.63	
	2	41834221	25.69	
	3	41834222	25.47	
	4	41834223	23.75	
	5	41834224	24.08	
	6	41834225	24.37	
	7	41834226	24.99	
	8	41834227	25.11	
	9	41834228	24.14	
	10	41834229	25.24	
	11	41834230	26.48	
	12	41834232	26.83	
	13	41834238	24.19	
	14	41834239	24.99	
	15	41834241	24.56	
	16	41834242	24.52	
	17	41834244	26.15	
	18	41834251	25.69	
	19	41834252	25.26	
	20	41834269	25.58	
	21	41834270	25.31	
	22	41834273	23.74	

Appendix J-1
Clean Fill Documentation
Dense-Graded Aggregate and Open Grade Stone Load Reports
AI Smith Moving, Garfield Avenue Group
PPG, Jersey City, New Jersey

Dense-Graded Aggregate (DGA)

Date	Load	Ticket	Net Weight (tons)	Daily Tonnage
	23	41834274	27.00	
	24	41834277	26.53	
	25	41834278	25.01	
	26	41834281	26.81	
	27	41834282	23.57	
	28	41834283	25.05	
	29	41834284	25.25	
	30	41834287	25.46	
	31	41834290	26.78	
	32	41834291	25.64	
	33	41834293	25.41	
	34	41834294	25.84	
	35	41834296	26.29	
	36	41834298	25.79	
	37	41834304	26.34	
	38	41834322	25.65	
	39	41834323	25.26	
	40	41834335	24.81	
	41	42562453	24.87	
	42	42562484	24.79	
	43	42562486	24.85	
	44	42562489	26.07	
	45	42562490	26.85	
	46	42562498	25.87	
	47	42562500	25.57	
	48	42562509	25.37	
	49	42562512	25.67	
	50	42562514	25.65	
	51	42562517	25.43	
	52	42562518	26.17	
	53	42562523	26.28	
	54	42562535	26.30	
	55	42562537	26.83	
	56	42562538	26.66	
	57	42562546	25.98	
	58	42562547	26.91	
	59	42562548	26.27	
	60	42562555	25.93	
	61	42562557	25.88	
	62	42562558	26.58	

Appendix J-1
Clean Fill Documentation
Dense-Graded Aggregate and Open Grade Stone Load Reports
AI Smith Moving, Garfield Avenue Group
PPG, Jersey City, New Jersey

Dense-Graded Aggregate (DGA)

Date	Load	Ticket	Net Weight (tons)	Daily Tonnage
	63	42562560	25.94	
	64	42562561	26.52	
	65	42562562	26.54	
	66	42562564	24.34	
	67	42562568	26.19	1713.57
1/10/2018	1	42562607	24.76	
	2	42562609	25.23	
	3	42562610	25.12	
	4	42562611	25.40	
	5	42562612	26.23	
	6	42562613	26.25	
	7	42562614	26.74	
	8	42562615	27.04	
	9	42562616	27.11	
	10	42562617	24.15	
	11	42562618	26.30	
	12	42562619	26.65	
	13	42562620	26.53	
	14	42562621	26.21	
	15	42562625	25.67	
	16	42562629	26.05	
	17	42562630	24.35	
	18	42562631	25.12	
	19	42562632	26.17	
	20	42562633	26.68	
	21	42562643	26.48	
	22	42562649	26.30	
	23	42562650	26.84	
	24	42562672	26.24	
	25	42562687	25.76	
	26	42562689	25.98	
	27	42562692	26.79	
	28	42562696	26.03	
	29	42562697	25.82	
	30	42562700	25.97	
	31	42562703	23.04	
	32	42562704	26.91	
	33	42562705	26.28	
	34	42562706	26.05	
	35	42562707	26.04	

Appendix J-1
Clean Fill Documentation
Dense-Graded Aggregate and Open Grade Stone Load Reports
AI Smith Moving, Garfield Avenue Group
PPG, Jersey City, New Jersey

Dense-Graded Aggregate (DGA)

Date	Load	Ticket	Net Weight (tons)	Daily Tonnage
	36	42562708	26.49	
	37	42562711	26.50	
	38	42562712	26.52	
	39	41834468	26.65	
	40	41834469	26.07	
	41	41834475	25.79	
	42	41834476	25.56	
	43	41834478	25.38	
	44	41834482	25.14	
	45	41834483	25.65	
	46	41834484	27.18	
	47	41834488	26.77	1221.99
1/11/2018	1	42562751	25.64	
	2	42562771	26.13	
	3	42562773	25.65	
	4	42562774	26.85	
	5	42562776	26.18	
	6	42562778	26.13	
	7	42562779	26.20	
	8	42562780	25.80	
	9	42562781	26.11	
	10	42562782	26.66	
	11	42562790	26.29	
	12	42562791	25.61	
	13	42562795	25.65	
	14	42562797	25.56	
	15	42562803	26.54	
	16	42562820	26.38	
	17	42562822	25.28	
	18	42562823	26.83	
	19	42562824	25.85	
	20	42562825	26.03	
	21	42562826	25.52	
	22	42562827	25.90	
	23	42562829	25.41	
	24	42562830	26.29	
	25	42562832	26.40	
	26	42562833	27.09	
	27	42562834	26.73	
	28	42562837	25.78	

Appendix J-1
Clean Fill Documentation
Dense-Graded Aggregate and Open Grade Stone Load Reports
AI Smith Moving, Garfield Avenue Group
PPG, Jersey City, New Jersey

Dense-Graded Aggregate (DGA)

Date	Load	Ticket	Net Weight (tons)	Daily Tonnage
	29	42562840	25.66	
	30	42562843	25.93	
	31	42562844	25.75	
	32	42562845	25.30	
	33	42562846	25.96	
	34	42562847	26.56	
	35	42562848	26.85	
	36	42562850	25.68	
	37	42562851	24.40	
	38	42562852	24.20	
	39	42562853	27.16	
	40	42562854	26.30	
	41	41834698	24.90	
	42	41834699	26.80	
	43	41834700	25.95	
	44	41834701	26.34	
	45	41834702	23.88	
	46	41834703	25.54	
	47	41834704	25.93	
	48	41834705	25.51	
	49	41834706	25.66	
	50	41834707	25.18	
	51	41834753	26.20	
	52	41834755	26.59	
	53	41834757	25.14	
	54	41834758	25.66	
	55	41834761	26.37	
	56	41834762	24.89	
	57	41834765	26.99	
	58	41834766	25.72	
	59	41834769	24.85	
	60	41834770	24.96	
	61	41834771	25.42	
	62	41834784	25.38	
	63	41834787	24.73	
	64	41834788	26.30	
	65	41834791	24.96	
	66	41834793	24.71	
	67	41834798	25.34	
	68	41834801	25.17	

Appendix J-1
Clean Fill Documentation
Dense-Graded Aggregate and Open Grade Stone Load Reports
AI Smith Moving, Garfield Avenue Group
PPG, Jersey City, New Jersey



Dense-Graded Aggregate (DGA)

Date	Load	Ticket	Net Weight (tons)	Daily Tonnage
	69	41834804	26.19	
	70	41834805	25.48	1806.98
1/12/2018	1	42562899	26.60	
	2	42562900	27.21	
	3	42562901	25.67	
	4	42562903	26.02	
	5	42562906	26.01	
	6	42562907	26.28	
	7	42562908	26.12	
	8	42562910	27.20	
	9	42562912	26.33	
	10	42562913	25.60	
	11	42562914	26.85	
	12	42562916	26.46	
	13	42562921	26.83	
	14	42562922	26.10	
	15	42562927	25.88	
	16	42562930	25.69	
	17	42562931	25.44	
	18	42562933	26.58	
	19	42562940	26.98	
	20	42562943	26.24	
	21	42562955	26.38	
	22	42562956	26.28	
	23	42562959	25.62	
	24	42562960	26.00	
	25	42562962	25.49	
	26	42562964	26.63	
	27	42562965	26.98	
	28	42562967	25.94	
	29	42562968	26.59	
	30	42562969	25.40	787.40
1/15/2018	1	42563010	25.33	
	2	42563012	26.49	
	3	42563014	25.71	
	4	42563015	24.06	
	5	42563016	25.50	
	6	42563017	24.60	
	7	42563022	26.29	
	8	42563021	23.66	

Appendix J-1
Clean Fill Documentation
Dense-Graded Aggregate and Open Grade Stone Load Reports
AI Smith Moving, Garfield Avenue Group
PPG, Jersey City, New Jersey

Dense-Graded Aggregate (DGA)

Date	Load	Ticket	Net Weight (tons)	Daily Tonnage
	9	42563025	26.40	
	10	42563027	25.56	
	11	42563028	24.80	
	12	42563056	26.09	
	13	42563074	25.77	
	14	42563076	26.22	
	15	42563079	25.39	
	16	42563091	24.69	
	17	42563092	25.77	
	18	42563093	25.43	
	19	42563094	23.79	
	20	42563097	25.51	
	21	41835044	25.36	
	22	41835045	25.77	
	23	41835046	26.03	
	24	41835048	25.14	
	25	41835049	25.77	
	26	41835050	26.29	
	27	41835051	26.74	
	28	41835054	25.53	
	29	41835055	26.76	
	30	41835057	24.68	
	31	41835059	24.53	
	32	41835061	25.55	
	33	41835065	24.98	
	34	41835068	25.42	
	35	41835073	25.77	
	36	41835074	25.16	
	37	41835082	24.47	
	38	41835087	26.09	
	39	41835091	24.81	
	40	41835089	25.17	1017.08
1/16/2018	1	42563184	25.55	
	2	42563185	26.22	
	3	42563194	26.05	
	4	42563195	26.05	
	5	42563203	25.76	
	6	42563210	25.07	
	7	42563212	24.03	
	8	42563248	25.35	

Appendix J-1
Clean Fill Documentation
Dense-Graded Aggregate and Open Grade Stone Load Reports
AI Smith Moving, Garfield Avenue Group
PPG, Jersey City, New Jersey

Dense-Graded Aggregate (DGA)

Date	Load	Ticket	Net Weight (tons)	Daily Tonnage
	9	42563249	27.33	
	10	42563250	25.88	
	11	42563251	26.54	
	12	42563252	26.48	
	13	42563256	26.27	
	14	42563258	26.80	
	15	42563260	26.65	
	16	42563261	26.97	
	17	42563264	25.86	
	18	42563265	26.39	
	19	42563266	25.99	
	20	42563269	25.84	
	21	41835241	26.44	
	22	41835247	25.92	
	23	41835248	24.93	
	24	41835250	25.04	
	25	41835251	25.08	
	26	41835253	25.79	
	27	41835292	25.66	
	28	41835294	25.21	
	29	41835296	25.07	
	30	41835318	23.92	
	31	41835319	24.81	
	32	41835334	24.40	
	33	41835343	25.15	
	34	41835348	26.00	
	35	41835349	24.71	
	36	41835351	25.14	
	37	41835356	26.01	
	38	41835358	26.58	
	39	41835364	24.76	1001.70
1/17/2018	1	42563333	25.95	
	2	42563334	25.77	
	3	42563337	26.21	
	4	42563338	26.77	
	5	42563401	26.39	
	6	42563360	26.71	
	7	42563368	26.82	
	8	42563371	26.40	
	9	42563373	27.19	

Appendix J-1
Clean Fill Documentation
Dense-Graded Aggregate and Open Grade Stone Load Reports
AI Smith Moving, Garfield Avenue Group
PPG, Jersey City, New Jersey

Dense-Graded Aggregate (DGA)

Date	Load	Ticket	Net Weight (tons)	Daily Tonnage
	10	42563374	26.52	
	11	42563379	26.13	
	12	42563380	26.15	
	13	42563401	24.24	
	14	42563404	24.51	
	15	42563407	25.22	
	16	42563408	26.03	
	17	42563409	24.71	
	18	42563413	24.93	
	19	42563417	26.45	
	20	42563419	26.48	
	21	42563420	25.72	
	22	42563422	26.71	
	23	41835457	24.42	
	24	41835458	24.95	
	25	41835459	24.26	
	26	41835506	24.66	
	27	41835508	24.96	
	28	41835510	24.77	720.03
1/18/2018	1	42563431	24.66	
	2	42563434	25.15	
	3	42563451	25.80	
	4	42563454	26.28	
	5	42563465	23.72	
	6	42563483	26.00	
	7	42563489	25.96	
	8	42563497	26.45	
	9	42563507	25.25	
	10	42563512	26.51	
	11	42563525	25.87	
	12	42563526	26.35	
	13	42563527	25.91	
	14	42563537	24.42	
	15	42563538	24.02	
	16	42563548	25.99	
	17	41835556	25.33	
	18	41835559	24.93	
	19	41835561	25.02	
	20	41835562	24.38	
	21	41835564	23.89	

Appendix J-1
Clean Fill Documentation
Dense-Graded Aggregate and Open Grade Stone Load Reports
AI Smith Moving, Garfield Avenue Group
PPG, Jersey City, New Jersey

Dense-Graded Aggregate (DGA)

Date	Load	Ticket	Net Weight (tons)	Daily Tonnage
	22	41835566	24.83	
	23	41835572	24.75	
	24	41835574	24.95	
	25	41835576	24.94	
	26	41835577	25.42	
	27	41835579	24.99	
	28	41835580	25.47	
	29	41835584	24.65	
	30	41835589	25.69	
	31	41835590	26.15	
	32	41835591	25.04	
	33	41835595	25.41	
	34	41835602	25.92	
	35	41835634	25.68	
	36	41835643	24.67	
	37	41835646	25.86	936.31
1/19/2018	1	42563703	26.45	
	2	42563713	26.70	
	3	42563731	25.86	79.01
1/31/2018	1	42565112	26.02	
	2	42565115	25.69	
	3	42565121	26.45	
	4	42565127	27.06	
	5	42565124	25.79	
	6	42565126	26.36	157.37
2/13/2018	1	42566574	26.67	
	2	42566583	26.89	
	3	42566587	26.48	
	4	42566590	24.62	
	5	42566601	26.39	
	6	42566607	26.09	
	7	42566618	25.58	
	8	42566623	25.61	
	9	42566635	25.01	
	10	42566639	24.68	
	11	42566666	25.31	
	12	42566667	26.40	
	13	42566668	25.56	
	14	42566669	25.95	
	15	42566675	24.42	385.66

**Appendix J-1
Clean Fill Documentation
Dense-Graded Aggregate and Open Grade Stone Load Reports
Al Smith Moving, Garfield Avenue Group
PPG, Jersey City, New Jersey**

Dense-Graded Aggregate (DGA)

Date	Load	Ticket	Net Weight (tons)	Daily Tonnage
2/15/2018	1	42566924	26.72	26.72
2/16/2018	1	42567209	26.25	26.25
Total Tonnage =			22862.55	

Appendix J-1
Clean Fill Documentation
Dense-Graded Aggregate and Open Grade Stone Load Reports
AI Smith Moving, Garfield Avenue Group
PPG, Jersey City, New Jersey



Open Grade Stone (OGS)

Date	Load	Ticket	Net Weight (tons)	Daily Tonnage
7/26/2017	1	41863957	25.91	
	2	41863958	26.17	
	3	41863960	25.19	77.27
7/27/2017	1	41864409	24.84	24.84
2/13/2018	1	41840414	24.89	24.89
2/14/2018	1	41840688	25.36	
	2	41840701	25.45	
	3	41840710	25.98	
	4	41840711	26.18	
	5	41840732	26.17	
	6	41840734	25.28	
	7	41840754	25.64	
	8	41840758	26.75	
	9	41840765	24.98	231.79
2/15/2018	1	41841019	26.10	
	2	41841020	26.74	52.84
Total Tonnage =			411.63	

Appendix J-2

Quarry Information and Analytical Data Reports

The sample concentrations exceeded the Default Impact to Groundwater Soil Screening Level (DIGWSSL) for manganese. Manganese is naturally occurring and the applicable Groundwater Quality Standard is based on secondary considerations (primarily aesthetic considerations such as taste, odor, and appearance) and not health considerations; as such, the manganese exceedances do not need to be addressed for the Impact to Groundwater pathway.



TILCON NEW YORK INC.

PHONE: 973-366-7741 • 9 ENTIN ROAD • PARSIPPANY, NEW JERSEY 07054

July 12, 2017

Entact LLC
1 East Oak Hill Drive
Suite 102
Westmont, IL 60559
Attn: Brady Bonsted

Project: PPG, 70 Carteret Ave, Jersey City, NJ 07305

Brady,

Tilcon NY Inc. New Jersey Division confirms to the best of our knowledge that the aggregates produced from our Mt Hope Quarry and Pompton Lakes Quarry conforms to section 901 of the 2007 *New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction*. The material is defined as virgin Gneiss mined at Mt. Hope Quarry, 625 Mt. Hope Road, Block No(s) 20001, 70001, 20101 – Lot No(s) 5.01, 5.02, 7, 2, 6 Wharton Borough, Morris County NJ. The material is defined as virgin Gneiss mined at Pompton Lakes Quarry, Foot of Broad St, Block 105-Lot 84 Pompton Lakes Borough, Passaic County NJ. The material is identified on the job with Tilcon NJ delivery tickets.

The quarry is listed in the Quality Products List (QPL) of the NJDOT website.
<http://www.state.nj.us/transportation/eng/materials/qualified/QPLDB.shtm>

Tilcon NY Inc. has had the 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.

The licensed quarry/mine materials are sand, gravel or rock complies with the following of Section 7 of the Fill Material Guidance for SRP Sites:

- Excavated from undisturbed geologic formations;
- Obtained from a licensed quarry/mine;
- Not located on or impacted by other contaminant sources;
- Not comingled with any other material;
- Not known or suspected of being contaminated;
- Not adversely impacted by discharges of hazardous materials or chemical application;
- Not affected by conditions or processes that would result in the introduction of contaminants into the licensed quarry/mine material in concentrations above regulatory concern; and



TILCON NEW YORK INC.

PHONE: 973-366-7741 • 9 ENTIN ROAD • PARSIPPANY, NEW JERSEY 07054

- Not affected by conditions or processes that would increase the concentrations of contaminants already present in the licensed quarry/mine materials to concentrations above regulatory concerns.

Please feel free to contact me for any additional information.

Thank You,

A handwritten signature in blue ink, appearing to read "A. Wojcik".

Aleksandra Wojcik
Quality Control Supervisor
Tilcon New York, Inc.
(973) 659-3790
Awojcik@tilconny.com



State of New Jersey
Department of Labor and Workforce Development

Certificate No. 004385
Expiration Date 3/31/2018

MINE REGISTRATION CERTIFICATE

ISSUED TO: Tilcon NJ – Pompton Lakes Quarry
LOCATION: Foot of Broad Street
Pompton Lakes, NJ

BLK NO(S): 105
LOT NO(S): 84
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.

Aaron R. Fichtner, Ph.D.

Acting Commissioner

THIS CERTIFICATE MUST BE POSTED AT ALL TIMES

MAILED
3/22/17 T.N.



State of New Jersey
Department of Labor and Workforce Development

Certificate No. 004384
Expiration Date 3/31/2018

MINE REGISTRATION CERTIFICATE

ISSUED TO: Tilcon NJ – Mount Hope Quarry
625 Mt Hope Rd
LOCATION: 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.

Aaron R. Fichtner, Ph.D.
Acting Commissioner

THIS CERTIFICATE MUST BE POSTED AT ALL TIMES

ES-148 (R-1-05)

<u>BLOCK</u>	<u>LOT</u>
20001	5.01,5.02,7
70001	2
20101	6

MAILED
3/22/17 T.N.

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.

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Client:	TILCON New York, Inc.				
Project:	Mount Hope, New Jersey				
Subject:	Laboratory Analysis of Stone Fines				
Job No.:	07-E-34	Report Number:	17-E-110	Date:	06-29-2017

We present herewith the laboratory test results of one (1) stone fines sample received on June 21, 2017. The sample was collected at Mount Hope Quarry by a representative of TILCON on June 21, 2017. A copy of the sample chain of custody form is attached.

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. The analyses were performed by Integrated Analytical Laboratories, LLC (IAL) (NJDEP Lab ID No. 14751).

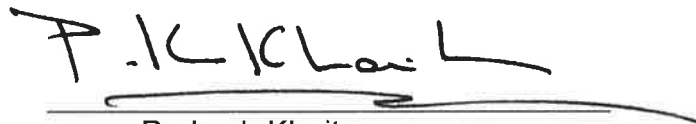
The test results are summarized in Table Nos. 1 through 4. A copy of the IAL sample chain-of-custody form and a copy of the preliminary IAL laboratory summary report are attached.

Based on the laboratory data, the sample meets all of the NJDEP Residential Direct Contact Soil Remediation Standards.

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

Very truly yours,

S&S ENVIRONMENTAL SCIENCES, INC.



Prakash Khaitan
Director

PK/pk

Attachments: (1) IAL Laboratory Summary Report, Comparison Table and Sample Chain-of-Custody Form

cc: (1) Client (Attn: Mr. Steve O'Reilly)

S&S ENVIRONMENTAL SCIENCES, INC.

TILCON New York, Inc.
 Re: Mount Hope, NJ Quarry
 Laboratory Analysis of Stone Fines

Report No. 17-E-110
 June 29, 2017
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TABLE 1 - SUMMARY OF LABORATORY TEST RESULTS

PARAMETERS	SAMPLE #17-073 RESULT	NJDEP SOIL REMEDIAION STANDARD(*)
Organic Compounds		
Volatile Organic Compounds	Trichlorofluoromethane 0.013 Others Not Detected (See Table 2)	Trichlorofluoromethanene=23,000 Others See Attached List
Semi-Volatile Organics	Not Detected (See Table 3)	See Attached List
Pesticides	Not Detected (See Table 4)	See Attached List
PCBs	Not Detected (See Table 4)	Total 0.20
Metals:		
Aluminum	2,390	78,000
Antimony	ND (<0.490)	31
Arsenic	ND (<0.735)	19
Barium	19.9	16,000
Beryllium	ND (<0.613)	16
Cadmium	ND (<0.735)	78
Calcium	3,750	NA
Chromium	2.82	120,000
Cobalt	3.69	1,600
Copper	8.60	3,100
Iron	18,900	NA
Lead	0.742 J	400
Magnesium	1,470	NA
Manganese	85.3	11,000
Mercury	ND (<0.0093)	23
Nickel	2.38	1,600
Potassium	729	NA
Selenium	1.22 J	390
Silver	ND (<0.490)	390
Sodium	167	NA
Thallium	ND (<0.490)	5
Vanadium	4.82	78
Zinc	7.65	23,000
Others		
Extractable Petroleum Hydrocarbons (EPH) (C9-C40)	34.7 J	1,000
Cyanide	ND (<0.500)	1,600
Hexavalent Chromium	ND (<0.236)	20
pH, SU	7.16	NA

Results are in mg/kg (milligrams per kilogram) unless otherwise specified.

(*) Residential Direct Contact Soil Remediation Standards

ND – Not Detected (< - Indicates less than (the value reported is the Method Detection Limit))

NA – Not Applicable/Not Available

J – The concentration was detected at a value below the Reporting Limit and above the Method Detection Limit

S&S ENVIRONMENTAL SCIENCES, INC.

TILCON New York, Inc.
 Re: Mount Hope, NJ Quarry
 Laboratory Analysis of Stone Fines

Report No. 17-E-110
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TABLE 2 - TEST RESULTS FOR VOLATILE ORGANIC COMPOUNDS

SAMPLING DATE:	06-21-2017 (Client)		SAMPLE MATRIX: Stone Fines
PARAMETER	SAMPLE #17-073 RESULT	NJDEP SOIL REMEDIATION STANDARD(*)	
Dichlorodifluoromethane	ND	490	
Chloromethane	ND	4	
Vinyl Chloride	ND	0.7	
Bromomethane	ND	25	
Chloroethane	ND	220	
Trichlorofluoromethane	0.013	23000	
Acrolein	ND	0.5	
1,1-Dichloroethene	ND	11	
Acetone	ND	70000	
Carbon disulfide	ND	7800	
Methylene Chloride	ND	34	
trans-1,2-Dichloroethene	ND	300	
Methyl tert-butyl ether (MTBE)	ND	110	
1,1-Dichloroethane	ND	8	
cis-1,2-Dichloroethene	ND	230	
Tert-Butyl alcohol (TBA)	ND	1400	
2-Butanone (MEK)	ND	3100	
Bromochloromethane	ND	NA	
Chloroform	ND	0.6	
1,1,1-Trichloroethane	ND	290	
Carbon tetrachloride	ND	0.6	
1,2-Dichloroethane (EDC)	ND	0.9	
Benzene	ND	2	
Trichloroethene (TCE)	ND	7	
1,2-Dichloropropane	ND	2	
1,4-Dioxane	ND	NA	
Bromodichloromethane	ND	1	
cis-1,3-Dichloropropene	ND	NA	
trans-1,3-Dichloropropene	ND	NA	
4-Methyl-2-Pentanone (MIBK)	ND	NA	
Toluene	ND	6300	
1,1,2-Trichloroethane	ND	2	
Tetrachloroethene (PCE)	ND	2	
2-Hexanone	ND	NA	
Dibromochloromethane	ND	3	
1,2-Dibromoethane (EDB)	ND	0.008	
Chlorobenzene	ND	510	
Ethylbenzene	ND	7800	
Xylenes (Total)	ND	12000	
Styrene	ND	90	
Bromoform	ND	81	
Isopropylbenzene	ND	NA	
1,1,2,2-Tetrachloroethane	ND	1	
1,3-Dichlorobenzene	ND	5,300	
1,4-Dichlorobenzene	ND	5	
1,2-Dichlorobenzene	ND	5,300	
1,2-Dibromo-3-chloropropane	ND	0.08	
1,2,4-Trichlorobenzene	ND	73	
1,2,3-Trichlorobenzene	ND	NA	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	NA	
Methyl acetate	ND	78000	
Cyclohexane	ND	NA	
Methylcyclohexane	ND	NA	
1,3-Dichloropropene (cis and trans)	ND	2	
Tentatively Identified Compounds (TICs)	ND	NA	

Results are in mg/kg (milligrams per kilogram) unless otherwise specified.

(*) Residential Direct Contact Soil Remediation Standards

ND: Not Detected (see laboratory report for detection limits) NA-Not Applicable/Not Available
 J - The concentration was detected at a value below the Reporting Limit and above the Method Detection Limit

S&S ENVIRONMENTAL SCIENCES, INC.

TILCON New York, Inc.
 Re: Mount Hope, NJ Quarry
 Laboratory Analysis of Stone Fines

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TABLE 3 – TEST RESULTS FOR SEMI-VOLATILE ORGANIC COMPOUNDS

SAMPLING DATE: 06-21-2017 (Client)	SAMPLE MATRIX: Stone Fines
---	-----------------------------------

PARAMETER	SAMPLE #17-073 RESULT	NJDEP SOIL REMEDIATION STANDARD(*)
bis(2-chloroethyl) ether	ND	0.4
1,3-Dichlorobenzene	ND	5300
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5300
Benzyl alcohol	ND	NA
Bis(2-chloroisopropyl) ether	ND	23
Bis(2-ethylhexyl) phthalate	ND	35
Hexachloroethane	ND	35
n-Nitroso-di-n-propylamine	ND	0.2
Nitrobenzene	ND	31
Isophorone	ND	510
1,2,4-Trichlorobenzene	ND	73
4-Chloroaniline	ND	NA
Hexachloro-1,3-butadiene	ND	6
Hexachlorocyclopentadiene	ND	45
Dimethylphthalate	ND	NA
Diethylphthalate	ND	49,000
2,4-Dinitrotoluene	ND	0.7
2,6- Dinitrotoluene	ND	0.7
n-Nitrosodiphenylamine	ND	99
Hexachlorobenzene	ND	0.3
Butylbenzylphthalate	ND	1200
4-Chloro-3-methylphenol	ND	NA
2-Chlorophenol	ND	310
Di-n-butyl phthalate	ND	6100
Di-n-octyl phthalate	ND	2400
3,3'-Dichlorobenzidine	ND	1
2,4-Dichlorophenol	ND	180

Results are in mg/kg (milligrams per kilogram) unless otherwise specified.

() Residential Direct Contact Soil Remediation Standards*

ND - Not Detected (see laboratory report for detection limits)

NA - Not Applicable/Not Available

S&S ENVIRONMENTAL SCIENCES, INC.

TILCON New York, Inc.
 Re: Mount Hope, NJ Quarry
 Laboratory Analysis of Stone Fines

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TABLE 3 - TEST RESULTS FOR SEMI-VOLATILE ORGANIC COMPOUNDS
(continued)

SAMPLING DATE:	06-21-2017 (Client)	SAMPLE MATRIX: Stone Fines
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PARAMETER	SAMPLE #17-073 RESULT	NJDEP SOIL REMEDIATION STANDARD(*)
2,4-Dimethylphenol	ND	1200
2,4-Dinitrophenol	ND	120
2-Methylphenol (o-Cresol)	ND	310
4-Methylphenol (p-Cresol)	ND	31
Pentachlorophenol	ND	3
Phenol	ND	18,000
2,4,5-Trichlorophenol	ND	6100
2,4,6-Trichlorophenol	ND	19
Benzoic Acid	ND	NA
Acenaphthene	ND	3400
Acenaphthylene	ND	NA
Anthracene	ND	17,000
Benzo[a]anthracene	ND	0.6
Benzo[a]pyrene	ND	0.2
Benzo[b]fluoranthene	ND	0.6
Benzo[k]fluoranthene	ND	6
Carbazole	ND	24
Chrysene	ND	62
Dibenz[a,h]anthracene	ND	0.2
Dibenzofuran	ND	NA
Fluoranthene	ND	2300
Fluorene	ND	2300
Indeno[1,2,3-cd]pyrene	ND	0.6
Naphthalene	ND	6
2-Methylnaphthalene	ND	230
Pyrene	ND	1700
Benzo[g,h,i]perylene	ND	380000
Phenanthrene	ND	NA
Total	ND	NA
Tentatively Identified Compounds (TICs)	ND	NA
Total	ND	NA

Results are in mg/kg (milligrams per kilogram) unless otherwise specified.

() Residential Direct Contact Soil Remediation Standards*

ND - Not Detected (see laboratory report for detection limits)

S&S ENVIRONMENTAL SCIENCES, INC.

TILCON New York, Inc.
 Re: Mount Hope, NJ Quarry
 Laboratory Analysis of Stone Fines

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NA - Not Applicable/Not Available

TABLE 4- TEST RESULTS FOR PESTICIDES AND PCBs

SAMPLING DATE:	06-21-2017 (Client)	SAMPLE MATRIX: Stone Fines
-----------------------	---------------------	-----------------------------------

PARAMETER	SAMPLE #17-073 RESULT	NJDEP SOIL REMEDIATION STANDARDS(*)
PESTICIDES		
Aldrin	ND	0.04
4,4' – DDD	ND	3
4,4' – DDE	ND	2
4,4' – DDT	ND	2
Dieldrin	ND	0.04
Endosulfan I and Endosulfan II	ND	470
Endosulfan sulfate	ND	470
Endrin	ND	23
Heptachlor	ND	0.1
Heptachlor epoxide	ND	0.07
alpha-BHC	ND	0.1
beta-BHC	ND	0.4
gamma – BHC (Lindane)	ND	0.4
Methoxychlor	ND	390
Toxaphene	ND	0.6
Chlordane (Alpha and Gamma)	ND	0.2
PCBs		
Aroclor - 1016	ND	NA
Aroclor - 1221	ND	NA
Aroclor - 1232	ND	NA
Aroclor - 1242	ND	NA
Aroclor - 1248	ND	NA
Aroclor - 1254	ND	NA
Aroclor - 1260	ND	NA
Aroclor - 1262	ND	NA
Aroclor - 1268	ND	NA
Total PCBs	ND	0.20 (TOTAL PCBs)

Results are in mg/kg (milligrams per kilogram) unless otherwise specified.

() Residential Direct Contact Soil Remediation Standards*

ND - Not Detected (see laboratory report for detection limits)

NA - Not Applicable/Not Available

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

SAMPLE CHAIN OF CUSTODY

CLIENT:	Tilar Mont Hope	DATE:	
ADDRESS:			
CONTACT:		TEL. #:	
PROJECT:		PROJECT LAB ID #:	17-073

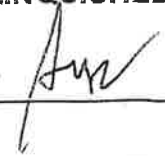
SAMPLE NUMBER	SAMPLING DATE	SAMPLING TIME	SAMPLE TYPE	NO. OF BOTTLES	ANALYSES REQUESTED
17-073	6-21-17	9 AM	grab	2	NJDEP-SRS

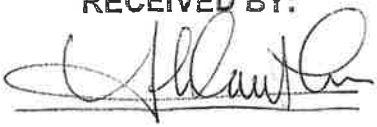
Comments:

Field Measurements: pH= _____ Temp.= _____ Flow Rate= _____

Sample Preservation: Cooled at 4° C H₂SO₄ _____ NaOH _____
HNO₃ _____ HCl _____ Sodium Thiosulfate _____ Other _____

Sampled By: 

RELINQUISHED BY: 

RECEIVED BY: 

DATE AND TIME: 6-21-17 11:30



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:	SAS	REPORT TO:	24 hr - 100%... 48 hr - 75%... 72 hr - 50%... 96 hr - 35%... 5 day - 25%... 6-9 day - 10%...			NJ, CT, PA	NY	NJ SRP	Low	Med	High	These samples have been previously analyzed by IAL			
Address:		Address:	Standard (10 business days) Verbal Rush/date needed (only if pre-approved)**			Results Only	ASP Category A	NYSDEC EQUIS							
Telephone #:	973-239-6001	Attn:	Hard Copy: Std 3 week			Reduced Regulatory/Full	ASP Category B	lab approved custom EDD							
Fax #:		FAX #:	Petroleum Hydrocarbons - Selection is REQUIRED					NO EDD REQ'D							
Project Manager:	AG	INVOICE TO:	TAT for PHC (if other than 2 weeks):									Regulatory Requirement			
EMAIL Address:		Address:	NJ EPH-DRO - Category 1									New Jersey			
Project Name:	Aut Hope	Attn:	NJ EPH-C40 - Category 2									AWQS (TOGS Table 1)			
Project Location (State):	NJ	PO #:	NJ EPH-Fractionated - Cat 2									IGW (TOGS Table 5)			
Bottle Order #:		Quote #:	DRO-8015									SRS (Part. 375-6.8(a) - Unrestricted)			
<input checked="" type="checkbox"/> "Report to" / "Invoice To" same as above			ANALYTICAL PARAMETERS (please note if contingent)									Ecological (Part. 375-6.8(b) - Restricted)			
Sampled by:			Sample Matrix									CP-51 Table 2 or 3 (selection required)			
COMPLETED BY IAL:			Sample Matrix									OTHER Reg. Req. (specify)			
Field Sampling			Oil - Oil S - Soil SOL - Solid SL - Sludge W - Wipe B - Biphasic												
Equipment Rental			DW - Drinking Water WW - Waste Water GW - Groundwater SW - Surface Water LIQ - Liquid (Specify)												
SAMPLE INFORMATION															
Client ID	17-073	Depth (ft only)		Sampling Date	6-21-17	Time	9:00	Matrix	SOL	# containers	5	IAL #			
Known Hazard:	YES / NO														
Describe:	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).														
Preservative Code:		Container Code:		Preservative (use code)	W,T	Container Type (use code)	D	Special Instructions/QC Requirements & Comments: (*) including NJDEP SRS parameters							FOR LAB USE ONLY
Relinquished by (Signature and Company)															
Received by (Signature and Company)															
Cooler Temp: _____ °C															
Date: 6-21-17 1:15															
Date: 6-21-17 2:52															
Tracking #:															
LAB COPIES - WHITE & YELLOW; CLIENT COPY - PINK															
Certification IDs: TN (TN101284); CT (PH-0698); NJ (14751); NY (11402); PA (68-0773).															
IAL Rev. 2/2014															
PAGE: 1 of 1															

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT

Client: S & S Environmental

Project: MT HOPE

Lab Case No.: E17-05156

Lab ID:	05156-001		
Client ID:	17-073		
Matrix:	Solid		
Sampled Date	6/21/17		
PARAMETER(Units)	Conc	Q	MDL
Volatiles (Units)	(mg/Kg)		
Trichlorofluoromethane	0.013		0.000188
TOTAL VO's:	0.013		
TOTAL TIC's:	ND		
TOTAL VO's & TIC's:	0.013		
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		0.015
Aroclor-1221	ND		0.015
Aroclor-1232	ND		0.015
Aroclor-1242	ND		0.015
Aroclor-1248	ND		0.015
Aroclor-1254	ND		0.015
Aroclor-1260	ND		0.015
Aroclor-1262	ND		0.015
Aroclor-1268	ND		0.015
PCBs	ND		0.015
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	ND		0.000164
Endosulfan sulfate	ND		0.000164
4,4'-DDT	ND		0.000164
Endrin ketone	ND		0.000164
Methoxychlor	ND		0.000164
alpha-Chlordane	ND		0.000164
gamma-Chlordane	ND		0.000164
Toxaphene	ND		0.00197
Endosulfan (I and II)	ND		0.000164
Chlordane (alpha and gamma)	ND		0.000164

ND = Analyzed for but Not Detected at the MDL

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT

Client: S & S Environmental

Project: MT HOPE

Lab Case No.: E17-05156

Lab ID:	05156-001		
Client ID:	17-073		
Matrix:	Solid		
Sampled Date	6/21/17		
PARAMETER(Units)	Conc	Q	MDL
NJ-EPH-C40 (Units)	(mg/Kg)		
C9-C40	34.7	J	19.4
Metals (Units)	(mg/Kg)		
Aluminum	2390		2.45
Antimony	ND		0.490
Arsenic	ND		0.735
Barium	19.9		0.613
Beryllium	ND		0.613
Cadmium	ND		0.735
Calcium	3750		24.5
Chromium	2.82		0.858
Cobalt	3.69		0.368
Copper	8.60		0.490
Iron	18900		12.3
Lead	0.742	J	0.368
Magnesium	1470		12.3
Manganese	85.3		0.613
Mercury	ND		0.0093
Nickel	2.38		0.613
Potassium	729		49.0
Selenium	1.22	J	0.490
Silver	ND		0.490
Sodium	167		24.5
Thallium	ND		0.490
Vanadium	4.82		0.613
Zinc	7.65		0.735
General Analytical (Units)			
Hexavalent Chromium(mg/Kg)	ND		0.236
Cyanide, Total(mg/Kg)	ND		0.500
pH/Corrosivity(SU)	7.16		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.

Sample #: Field ID: Lab ID: Date Sampled: Depth(ft):	CAS	NJDEP SOIL REMEDIATION STANDARDS			17-073		
		Residential SRS (mg/Kg)	Non-Res SRS (mg/Kg)	Default IGW Screening Level (mg/Kg)	Conc	Q	RL
Volatiles (mg/Kg)							
Dichlorodifluoromethane	75-71-8	490	230000	39	ND	0.001	0.000235
Chloromethane	74-87-3	4	12	NS	ND	0.001	0.000185
Vinyl chloride	75-01-4	0.7	2	0.005	ND	0.001	0.000185
Bromomethane	74-83-9	25	59	0.04	ND	0.001	0.000298
Chloroethane	75-00-3	220	1100	NS	ND	0.001	0.000265
Trichlorofluoromethane	75-69-4	23000	340000	34	0.013	0.001	0.000188
Acrolein	107-02-8	0.5	1	0.5	ND	0.020	0.0026
1,1-Dichloroethene	75-35-4	11	150	0.008	ND	0.001	0.000377
Acetone	67-64-1	70000	NS	19	ND	0.010	0.000979
Carbon disulfide	75-15-0	7800	110000	6	ND	0.001	0.00031
Methylene chloride	75-09-2	34	97	0.01	ND	0.002	0.00199
Acrylonitrile	107-13-1	0.9	3	0.5	ND	0.020	0.00408
tert-Butyl alcohol (TBA)	75-65-0	1400	11000	0.3	ND	0.004	0.000958
trans-1,2-Dichloroethene	156-60-5	300	720	0.6	ND	0.001	0.00029
Methyl tert-butyl ether (MTBE)	1634-04-4	110	320	0.2	ND	0.001	0.000193
1,1-Dichloroethane	75-34-3	8	24	0.2	ND	0.001	0.000194
cis-1,2-Dichloroethene	156-59-2	230	560	0.3	ND	0.001	0.000213
2-Butanone (MEK)	78-93-3	3100	44000	0.9	ND	0.002	0.000492
Bromochloromethane	74-97-5	NS	NS	NS	ND	0.001	0.000278
Chloroform	67-66-3	0.6	2	0.4	ND	0.001	0.00021
1,1,1-Trichloroethane	71-55-6	290	4200	0.3	ND	0.001	0.000236
Carbon tetrachloride	56-23-5	0.6	2	0.005	ND	0.001	0.000161
1,2-Dichloroethane (EDC)	107-06-2	0.9	3	0.005	ND	0.001	0.000264
Benzene	71-43-2	2	5	0.005	ND	0.001	0.000261
Trichloroethene	79-01-6	7	20	0.01	ND	0.001	0.00028
1,2-Dichloropropane	78-87-5	2	5	0.005	ND	0.001	0.000169
1,4-Dioxane	123-91-1	NS	NS	NS	ND	0.200	0.036
Bromodichloromethane	75-27-4	1	3	0.005	ND	0.001	0.000233
cis-1,3-Dichloropropene	10061-01-5	NS	NS	NS	ND	0.001	0.000205
4-Methyl-2-pentanone (MIBK)	108-10-1	NS	NS	NS	ND	0.002	0.000579
Toluene	108-88-3	6300	91000	7	ND	0.001	0.000323
trans-1,3-Dichloropropene	10061-02-6	NS	NS	NS	ND	0.001	0.000231
1,1,2-Trichloroethane	79-00-5	2	6	0.02	ND	0.001	0.00027
Tetrachloroethene	127-18-4	2	5	0.005	ND	0.001	0.000256
2-Hexanone	591-78-6	NS	NS	NS	ND	0.002	0.00104
Dibromochloromethane	124-48-1	3	8	0.005	ND	0.001	0.000187
1,2-Dibromoethane (EDB)	106-93-4	0.008	0.04	0.005	ND	0.001	0.000177
Chlorobenzene	108-90-7	510	7400	0.6	ND	0.001	0.000225

Standards are based upon published regulatory information.
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Ethylbenzene	100-41-4	7800	110000	13	ND	0.001	0.000244
Total Xylenes	1330-20-7	12000	170000	19	ND	0.002	0.000433
Styrene	100-42-5	90	260	3	ND	0.001	0.000206
Bromoform	75-25-2	81	280	0.03	ND	0.001	0.000287
Isopropylbenzene	98-82-8	NS	NS	NS	ND	0.001	0.000198
1,1,2,2-Tetrachloroethane	79-34-5	1	3	0.007	ND	0.001	0.000269
1,3-Dichlorobenzene	541-73-1	5300	59000	19	ND	0.001	0.000193
1,4-Dichlorobenzene	106-46-7	5	13	2	ND	0.001	0.000171
1,2-Dichlorobenzene	95-50-1	5300	59000	17	ND	0.001	0.000173
1,2-Dibromo-3-chloropropane	96-12-8	0.08	0.2	0.005	ND	0.002	0.00027
1,2,4-Trichlorobenzene	120-82-1	73	820	0.7	ND	0.001	0.00044
1,2,3-Trichlorobenzene	87-61-6	NS	NS	NS	ND	0.001	0.000481
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	NS	NS	NS	ND	0.001	0.000363
Methyl acetate	79-20-9	78000	NS	22	ND	0.001	0.000467
Cyclohexane	110-82-7	NS	NS	NS	ND	0.005	0.000182
Methylcyclohexane	108-87-2	NS	NS	NS	ND	0.001	0.000208
1,3-Dichloropropene (cis- and trans-)	542-75-6	2	7	0.005	ND	0.001	0.000231
TOTAL VO's:		NS	NS	NS	0.013		NA
TOTAL TIC's:		NS	NS	NS	ND		NA
TOTAL VO's & TIC's:		NS	NS	NS	0.013		NA

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.

Semivolatiles - BNA (mg/Kg)					Conc	Q	RL	MDL
N-Nitrosodimethylamine	62-75-9	0.7	0.7	0.7	ND		0.032	0.028
Benzaldehyde	100-52-7	6100	68000	NS	ND		0.032	0.031
Phenol	108-95-2	18000	210000	8	ND		0.032	0.030
Bis(2-chloroethyl) ether	111-44-4	0.4	2	0.2	ND		0.032	0.029
2-Chlorophenol	95-57-8	310	2200	0.8	ND		0.032	0.024
2-Methylphenol	95-48-7	310	3400	NS	ND		0.032	0.030
2,2-Oxybis(1-Chloropropane)	108-60-1	23	67	5	ND		0.032	0.027
4-Methylphenol **	106-44-5	31	340	NS	ND		0.032	0.026
N-Nitrosodi-n-propylamine	621-64-7	0.2	0.3	0.2	ND		0.032	0.025
Acetophenone	98-86-2	2	5	3	ND		0.032	0.031
Hexachloroethane	67-72-1	35	140	0.2	ND		0.032	0.027
Nitrobenzene	98-95-3	31	340	0.2	ND		0.032	0.025
Isophorone	78-59-1	510	2000	0.2	ND		0.032	0.027
2-Nitrophenol	88-75-5	NS	NS	NS	ND		0.032	0.027
2,4-Dimethylphenol	105-67-9	1200	14000	1	ND		0.032	0.023
Bis(2-chloroethoxy) methane	111-91-1	NS	NS	NS	ND		0.032	0.029
2,4-Dichlorophenol	120-83-2	180	2100	0.2	ND		0.032	0.028
Naphthalene	91-20-3	6	17	25	ND		0.032	0.028
4-Chloroaniline	106-47-8	NS	NS	NS	ND		0.032	0.021
Hexachlorobutadiene	87-68-3	6	25	0.9	ND		0.032	0.030
Caprolactam	105-60-2	31000	340000	12	ND		0.032	0.022
4-Chloro-3-methylphenol	59-50-7	NS	NS	NS	ND		0.032	0.027
2-Methylnaphthalene	91-57-6	230	2400	8	ND		0.032	0.023
Hexachlorocyclopentadiene	77-47-4	45	110	320	ND		0.032	0.028
2,4,6-Trichlorophenol	88-06-2	19	74	0.2	ND		0.032	0.027
2,4,5-Trichlorophenol	95-95-4	6100	68000	68	ND		0.032	0.028
1,1'-Biphenyl	92-52-4	3100	34000	140	ND		0.032	0.030
2-Chloronaphthalene	91-58-7	NS	NS	NS	ND		0.032	0.027
2-Nitroaniline	88-74-4	39	23000	NS	ND		0.032	0.023
Dimethyl phthalate	131-11-3	NS	NS	NS	ND		0.032	0.030
2,6-Dinitrotoluene	606-20-2	0.7	3	NS	ND		0.032	0.025
Acenaphthylene	208-96-8	NS	300000	NS	ND		0.032	0.027
3-Nitroaniline	99-09-2	NS	NS	NS	ND		0.032	0.026
Acenaphthene	83-32-9	3400	37000	110	ND		0.032	0.029
2,4-Dinitrophenol	51-28-5	120	1400	0.3	ND		0.032	0.019
4-Nitrophenol	100-02-7	NS	NS	NS	ND		0.032	0.028
2,4-Dinitrotoluene	121-14-2	0.7	3	NS	ND		0.032	0.029
Dibenzofuran	132-64-9	NS	NS	NS	ND		0.032	0.028
Diethyl phthalate	84-66-2	49000	550000	88	ND		0.032	0.032
Fluorene	86-73-7	2300	24000	170	ND		0.032	0.029
4-Chlorophenyl phenyl ether	7005-72-3	NS	NS	NS	ND		0.032	0.030
4-Nitroaniline	100-01-6	NS	NS	NS	ND		0.032	0.024
1,2,4,5-Tetrachlorobenzene	95-94-3	NS	NS	NS	ND		0.032	0.028
2,3,4,6-Tetrachlorophenol	58-90-2	NS	NS	NS	ND		0.032	0.022
4,6-Dinitro-2-methylphenol	534-52-1	6	68	0.3	ND		0.032	0.019

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.

N-Nitrosodiphenylamine	86-30-6	99	390	0.4	ND	0.032	0.028
1,2-Diphenylhydrazine	122-66-7	0.7	2	0.7	ND	0.032	0.032
4-Bromophenyl phenyl ether	101-55-3	NS	NS	NS	ND	0.032	0.027
Hexachlorobenzene	118-74-1	0.3	1	0.2	ND	0.032	0.030
Atrazine	1912-24-9	210	2400	0.2	ND	0.032	0.028
Pentachlorophenol	87-86-5	3	10	0.3	ND	0.032	0.019
Phenanthrene	85-01-8	NS	300000	NS	ND	0.032	0.030
Anthracene	120-12-7	17000	30000	2400	ND	0.032	0.028
Carbazole	86-74-8	24	96	NS	ND	0.032	0.025
Di-n-butyl phthalate	84-74-2	6100	68000	760	ND	0.032	0.025
Fluoranthene	206-44-0	2300	24000	1300	ND	0.032	0.027
Benzidine	92-87-5	0.7	0.7	0.7	ND	0.032	0.019
Pyrene	129-00-0	1700	18000	840	ND	0.032	0.027
Butyl benzyl phthalate	85-68-7	1200	14000	230	ND	0.032	0.030
3,3'-Dichlorobenzidine	91-94-1	1	4	0.2	ND	0.032	0.023
Benzo[a]anthracene	56-55-3	0.6	2	0.8	ND	0.032	0.028
Chrysene	218-01-9	62	230	80	ND	0.032	0.028
Bis(2-ethylhexyl) phthalate	117-81-7	35	140	1200	ND	0.032	0.020
Di-n-octyl phthalate	117-84-0	2400	27000	3300	ND	0.032	0.028
Benzo[b]fluoranthene	205-99-2	0.6	2	2	ND	0.032	0.026
Benzo[k]fluoranthene	207-08-9	6	23	25	ND	0.032	0.027
Benzo[a]pyrene	50-32-8	0.2	0.2	0.2	ND	0.032	0.026
Indeno[1,2,3-cd]pyrene	193-39-5	0.6	2	7	ND	0.032	0.027
Dibenz[a,h]anthracene	53-70-3	0.2	0.2	0.8	ND	0.032	0.032
Benzo[g,h,i]perylene	191-24-2	380000	30000	NS	ND	0.032	0.029
Dinitrotoluene (2,4- and 2,6-)	25321-14-6	0.7	3	0.2	ND	0.032	0.029
TOTAL BNA'S:		NS	NS	NS	ND		NA
TOTAL TIC'S:		NS	NS	NS	ND		NA
TOTAL BNA'S & TIC'S:		NS	NS	NS	ND		NA

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.

PCB's (mg/Kg)					Conc	Q	RL	MDL
Aroclor-1016	12674-11-2	NS	NS	NS	ND		0.037	0.015
Aroclor-1221	11104-28-2	NS	NS	NS	ND		0.037	0.015
Aroclor-1232	11141-16-5	NS	NS	NS	ND		0.037	0.015
Aroclor-1242	53469-21-9	NS	NS	NS	ND		0.037	0.015
Aroclor-1248	12672-29-6	NS	NS	NS	ND		0.037	0.015
Aroclor-1254	11097-69-1	NS	NS	NS	ND		0.037	0.015
Aroclor-1260	11096-82-5	NS	NS	NS	ND		0.037	0.015
Aroclor-1262	37324-23-5	NS	NS	NS	ND		0.037	0.015
Aroclor-1268	11100-14-4	NS	NS	NS	ND		0.037	0.015
PCBs	1336-36-3	0.2	1	0.2	ND		0.037	0.015

Standards are based upon published regulatory information.
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 IAL assumes no responsibility for the accuracy of these values.

Pesticides (mg/Kg)	0.1	0.5	0.002	Conc	Q	RL	MDL
alpha-BHC	0.1	0.5	0.002	ND		0.000328	0.000164
beta-BHC	0.4	2	0.002	ND		0.000328	0.000164
gamma-BHC (Lindane)	0.4	2	0.002	ND		0.000328	0.000164
delta-BHC	NS	NS	NS	ND		0.000328	0.000164
Heptachlor	0.1	0.7	0.5	ND		0.000328	0.000164
Aldrin	0.04	0.2	0.2	ND		0.000328	0.000164
Heptachlor epoxide	0.07	0.3	0.01	ND		0.000328	0.000164
Endosulfan I	NS	NS	NS	ND		0.000328	0.000164
4,4'-DDE	2	9	18	ND		0.000328	0.000164
Dieldrin	0.04	0.2	0.003	ND		0.000328	0.000164
Endrin	23	340	1	ND		0.000328	0.000164
Endosulfan II	NS	NS	NS	ND		0.000328	0.000164
4,4'-DDD	3	13	4	ND		0.000328	0.000164
Endrin aldehyde	NS	NS	NS	ND		0.000328	0.000164
Endosulfan sulfate	470	6800	2	ND		0.000328	0.000164
4,4'-DDT	2	8	11	ND		0.000328	0.000164
Endrin ketone	NS	NS	NS	ND		0.000328	0.000164
Methoxychlor	390	5700	160	ND		0.000328	0.000164
alpha-Chlordane	NS	NS	NS	ND		0.000328	0.000164
gamma-Chlordane	NS	NS	NS	ND		0.000328	0.000164
Toxaphene	0.6	3	0.3	ND		0.0041	0.00197
Endosulfan (I and II)	470	6800	4	ND		0.000328	0.000164
Chlordane (alpha and gamma)	0.2	1	0.05	ND		0.000328	0.000164

Standards are based upon published regulatory information.
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S S Environmental
 Project Name: MT HOPE
 IAL SDG No:E17-05166

NJ-EPH-C40 (mg/Kg) C9-C40	IALC9C40	NS	NS	NS	Conc 34.7	Q J	RL 48.4	MDL 19.4
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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.

Metals (mg/Kg)	78000	NS	6000	Conc	Q	RL	MDL
Aluminum	78000	NS	6000	2390		12.3	2.45
Antimony	31	450	6	ND		1.23	0.490
Arsenic	19	19	19	ND		1.23	0.735
Barium	16000	59000	2100	19.9		1.23	0.613
Beryllium	16	140	0.7	ND		1.23	0.613
Cadmium	78	78	2	ND		1.23	0.735
Calcium	NS	NS	NS	3750		123	24.5
Chromium	NS	NS	NS	2.82		1.23	0.858
Cobalt	1600	590	90	3.69		1.23	0.368
Copper	3100	45000	11000	8.60		1.23	0.490
Iron	NS	NS	NS	18900		123	12.3
Lead	400	800	90	0.742	J	1.23	0.368
Magnesium	NS	NS	NS	1470		123	12.3
Manganese	11000	5900	65	85.3		1.23	0.613
Mercury	23	65	0.1	ND		0.023	0.0093
Nickel	1600	23000	48	2.38		1.23	0.613
Potassium	NS	NS	NS	729		123	49.0
Selenium	390	5700	11	1.22	J	1.23	0.490
Silver	390	5700	1	ND		1.23	0.490
Sodium	NS	NS	NS	167		123	24.5
Thallium	5	79	3	ND		1.23	0.490
Vanadium	78	1100	NS	4.82		1.23	0.613
Zinc	23000	110000	930	7.65		1.23	0.735

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.

General Analytical	18540-29-9	240	20	NS	Conc	Q	RL	MDL
Hexavalent Chromium-mg/Kg	57-12-5	1600	23000	20	ND		1.00	0.236
Cyanide, Total-mg/Kg	SRP 6	NS	NS	NS	ND		1.00	0.500
pH/Corrosivity-SU					7.16		NA	NA
NJDEP Soil Remediation Standards: Remediation Standards N.J.A.C. 7:26E, May 2012								
BOLD Conc	Indicates a concentration that exceeds applicable criteria.							
BOLD RL	Indicates RL that exceeds applicable criteria.							
BOLD MDL	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 concentrations.								

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 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.

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Client:	TILCON New York, Inc.				
Project:	Pompton Lakes, New Jersey				
Subject:	Laboratory Analysis of Stone Fines				
Job No.:	06-E-41	Report Number:	17-E-111	Date:	06-30-2017

We present herewith the laboratory test results of one (1) stone fines sample received on June 21, 2017. The sample was collected at Pompton Lakes Quarry by a representative of TILCON on June 21, 2017. A copy of the sample chain of custody form is attached.

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. The analyses were performed by Integrated Analytical Laboratories, LLC (IAL) (NJDEP Lab ID No. 14751).

The test results are summarized in Table Nos. 1 through 4. A copy of the IAL sample chain-of-custody form and a copy of the preliminary IAL laboratory summary report are attached.

Based on the laboratory data, the sample meets all of the NJDEP Residential Direct Contact Soil Remediation Standards.

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

Very truly yours,

S&S ENVIRONMENTAL SCIENCES, INC.


Prakash Khaitan
Director

PK/pk

Attachments: (1) IAL Laboratory Summary Report, Comparison Table and Sample Chain-of-Custody Form

cc: (1) Client (Attn: Mr. Steve O'Reilly)

S&S ENVIRONMENTAL SCIENCES, INC.

TILCON New York, Inc.
 Re: Pompton Lakes, NJ Quarry
 Laboratory Analysis of Stone Fines

Report No. 17-E-111
 June 30, 2017
 Page 2

TABLE 1 - SUMMARY OF LABORATORY TEST RESULTS

PARAMETERS	SAMPLE #17-074 RESULT	NJDEP SOIL REMEDIATION STANDARD(*)
Organic Compounds		
Volatile Organic Compounds	Trichlorofluoromethane=0.00781 Acetone=0.011 2-Butanone (MEK)=0.00146 J Toluene=0.00123 Tert-Butyl alcohol (TBA)=0.00298 J Others Not Detected (See Table 2)	Trichlorofluoromethane=23,000 Acetone=70,000 2-Butanone (MEK)=3,100 Toluene=6,300 Tert-Butyl alcohol=1400 Others See Attached List
Semi-Volatile Organics	Not Detected (See Table 3)	See Attached List
Pesticides	Not Detected (See Table 4)	See Attached List
PCBs	Not Detected (See Table 4)	Total 0.20
Metals:		
Aluminum	9,320	78,000
Antimony	ND (<0.515)	31
Arsenic	ND (<0.773)	19
Barium	91.9	16,000
Beryllium	ND (<0.644)	16
Cadmium	ND (<0.773)	78
Calcium	9,420	NA
Chromium	37.4	120,000
Cobalt	13.3	1,600
Copper	50.6	3,100
Iron	27,500	NA
Lead	0.944 J	400
Magnesium	6,720	NA
Manganese	179	11,000
Mercury	ND (<0.0089)	23
Nickel	19.3	1,600
Potassium	4,480	NA
Selenium	2.13	390
Silver	ND (<0.515)	390
Sodium	740	NA
Thallium	ND (<0.515)	5
Vanadium	43.1	78
Zinc	25.9	23,000
Others		
Extractable Petroleum Hydrocarbons (EPH) (C9-C40)	36.5 J	1,000
Cyanide	ND (<0.500)	1,600
Hexavalent Chromium	ND (<0.236)	20
pH, SU	9.10	NA

Results are in mg/kg (milligrams per kilogram) unless otherwise specified.

(*) Residential Direct Contact Soil Remediation Standards

ND – Not Detected (< - Indicates less than (the value reported is the Method Detection Limit))

NA – Not Applicable/Not Available

J – The concentration was detected at a value below the Reporting Limit and above the Method Detection Limit

S&S ENVIRONMENTAL SCIENCES, INC.

TILCON New York, Inc.
 Re: Pompton Lakes, NJ Quarry
 Laboratory Analysis of Stone Fines

Report No. 17-E-111
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 Page 3

TABLE 2 - TEST RESULTS FOR VOLATILE ORGANIC COMPOUNDS

SAMPLING DATE:	06-21-2017 (Client)		SAMPLE MATRIX: Stone Fines
PARAMETER	SAMPLE #17-074 RESULT	NJDEP SOIL REMEDIATION STANDARD(*)	
Dichlorodifluoromethane	ND	490	
Chloromethane	ND	4	
Vinyl Chloride	ND	0.7	
Bromomethane	ND	25	
Chloroethane	ND	220	
Trichlorofluoromethane	0.00781	23000	
Acrolein	ND	0.5	
1,1-Dichloroethene	ND	11	
Acetone	0.011	70000	
Carbon disulfide	ND	7800	
Methylene Chloride	ND	34	
trans-1,2-Dichloroethene	ND	300	
Methyl tert-butyl ether (MTBE)	ND	110	
1,1-Dichloroethane	ND	8	
cis-1,2-Dichloroethene	ND	230	
Tert-Butyl alcohol (TBA)	0.00298 J	1400	
2-Butanone (MEK)	0.00146 J	3100	
Bromochloromethane	ND	NA	
Chloroform	ND	0.6	
1,1,1-Trichloroethane	ND	290	
Carbon tetrachloride	ND	0.6	
1,2-Dichloroethane (EDC)	ND	0.9	
Benzene	ND	2	
Trichloroethene (TCE)	ND	7	
1,2-Dichloropropane	ND	2	
1,4-Dioxane	ND	NA	
Bromodichloromethane	ND	1	
cis-1,3-Dichloropropene	ND	NA	
trans-1,3-Dichloropropene	ND	NA	
4-Methyl-2-Pentanone (MIBK)	ND	NA	
Toluene	0.00123	6300	
1,1,2-Trichloroethane	ND	2	
Tetrachloroethene (PCE)	ND	2	
2-Hexanone	ND	NA	
Dibromochloromethane	ND	3	
1,2-Dibromoethane (EDB)	ND	0.008	
Chlorobenzene	ND	510	
Ethylbenzene	ND	7800	
Xylenes (Total)	ND	12000	
Styrene	ND	90	
Bromoform	ND	81	
Isopropylbenzene	ND	NA	
1,1,2,2-Tetrachloroethane	ND	1	
1,3-Dichlorobenzene	ND	5,300	
1,4-Dichlorobenzene	ND	5	
1,2-Dichlorobenzene	ND	5,300	
1,2-Dibromo-3-chloropropane	ND	0.08	
1,2,4-Trichlorobenzene	ND	73	
1,2,3-Trichlorobenzene	ND	NA	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	NA	
Methyl acetate	ND	78000	
Cyclohexane	ND	NA	
Methylcyclohexane	ND	NA	
1,3-Dichloropropene (cis and trans)	ND	2	
Tentatively Identified Compounds (TICs)	ND	NA	

Results are in mg/kg (milligrams per kilogram) unless otherwise specified.

(*) Residential Direct Contact Soil Remediation Standards

ND: Not Detected (see laboratory report for detection limits) NA--Not Applicable/Not Available
 J – The concentration was detected at a value below the Reporting Limit and above the Method Detection Limit

S&S ENVIRONMENTAL SCIENCES, INC.

TILCON New York, Inc.
 Re: Pompton Lakes, NJ Quarry
 Laboratory Analysis of Stone Fines

Report No. 17-E-111
 June 30, 2017
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TABLE 3 – TEST RESULTS FOR SEMI-VOLATILE ORGANIC COMPOUNDS

SAMPLING DATE: 06-21-2017 (Client)	SAMPLE MATRIX: Stone Fines
---	-----------------------------------

PARAMETER	SAMPLE #17-074 RESULT	NJDEP SOIL REMEDIATION STANDARD(*)
bis(2-chloroethyl) ether	ND	0.4
1,3-Dichlorobenzene	ND	5300
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5300
Benzyl alcohol	ND	NA
Bis(2-chloroisopropyl) ether	ND	23
Bis(2-ethylhexyl) phthalate	ND	35
Hexachloroethane	ND	35
n-Nitroso-di-n-propylamine	ND	0.2
Nitrobenzene	ND	31
Isophorone	ND	510
1,2,4-Trichlorobenzene	ND	73
4-Chloroaniline	ND	NA
Hexachloro-1,3-butadiene	ND	6
Hexachlorocyclopentadiene	ND	45
Dimethylphthalate	ND	NA
Diethylphthalate	ND	49,000
2,4-Dinitrotoluene	ND	0.7
2,6-Dinitrotoluene	ND	0.7
n-Nitrosodiphenylamine	ND	99
Hexachlorobenzene	ND	0.3
Butylbenzylphthalate	ND	1200
4-Chloro-3-methylphenol	ND	NA
2-Chlorophenol	ND	310
Di-n-butyl phthalate	ND	6100
Di-n-octyl phthalate	ND	2400
3,3'-Dichlorobenzidine	ND	1
2,4-Dichlorophenol	ND	180

Results are in mg/kg (milligrams per kilogram) unless otherwise specified.

() Residential Direct Contact Soil Remediation Standards*

ND - Not Detected (see laboratory report for detection limits)

NA - Not Applicable/Not Available

S&S ENVIRONMENTAL SCIENCES, INC.

TILCON New York, Inc.
 Re: Pompton Lakes, NJ Quarry
 Laboratory Analysis of Stone Fines

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TABLE 3 - TEST RESULTS FOR SEMI-VOLATILE ORGANIC COMPOUNDS
(continued)

SAMPLING DATE:	06-21-2017 (Client)	SAMPLE MATRIX:	Stone Fines
PARAMETER	SAMPLE #17-074 RESULT	NJDEP SOIL REMEDIATION STANDARD(*)	
2,4-Dimethylphenol	ND	1200	
2,4-Dinitrophenol	ND	120	
2-Methylphenol (o-Cresol)	ND	310	
4-Methylphenol (p-Cresol)	ND	31	
Pentachlorophenol	ND	3	
Phenol	ND	18,000	
2,4,5-Trichlorophenol	ND	6100	
2,4,6-Trichlorophenol	ND	19	
Benzoic Acid	ND	NA	
Acenaphthene	ND	3400	
Acenaphthylene	ND	NA	
Anthracene	ND	17,000	
Benzo[a]anthracene	ND	0.6	
Benzo[a]pyrene	ND	0.2	
Benzo[b]fluoranthene	ND	0.6	
Benzo[k]fluoranthene	ND	6	
Carbazole	ND	24	
Chrysene	ND	62	
Dibenz[a,h]anthracene	ND	0.2	
Dibenzofuran	ND	NA	
Fluoranthene	ND	2300	
Fluorene	ND	2300	
Indeno[1,2,3-cd]pyrene	ND	0.6	
Naphthalene	ND	6	
2-Methylnaphthalene	ND	230	
Pyrene	ND	1700	
Benzo[g,h,i]perylene	ND	380000	
Phenanthrene	ND	NA	
Total	ND	NA	
Tentatively Identified Compounds (TICs)	ND	NA	
Total	ND	NA	

Results are in mg/kg (milligrams per kilogram) unless otherwise specified.

() Residential Direct Contact Soil Remediation Standards*

ND - Not Detected (see laboratory report for detection limits)

S&S ENVIRONMENTAL SCIENCES, INC.

TILCON New York, Inc.
 Re: Pompton Lakes, NJ Quarry
 Laboratory Analysis of Stone Fines

Report No. 17-E-111
 June 30, 2017
 Page 6

NA - Not Applicable/Not Available

TABLE 4- TEST RESULTS FOR PESTICIDES AND PCBs

SAMPLING DATE: 06-21-2017 (Client)	SAMPLE MATRIX: Stone Fines
---	-----------------------------------

PARAMETER	SAMPLE #17-074 RESULT	NJDEP SOIL REMEDIATION STANDARDS(*)
PESTICIDES		
Aldrin	ND	0.04
4,4' – DDD	ND	3
4,4' – DDE	ND	2
4,4' – DDT	ND	2
Dieldrin	ND	0.04
Endosulfan I and Endosulfan II	ND	470
Endosulfan sulfate	ND	470
Endrin	ND	23
Heptachlor	ND	0.1
Heptachlor epoxide	ND	0.07
alpha-BHC	ND	0.1
beta-BHC	ND	0.4
gamma – BHC (Lindane)	ND	0.4
Methoxychlor	ND	390
Toxaphene	ND	0.6
Chlordane (Alpha and Gamma)	ND	0.2
PCBs		
Aroclor - 1016	ND	NA
Aroclor - 1221	ND	NA
Aroclor - 1232	ND	NA
Aroclor - 1242	ND	NA
Aroclor - 1248	ND	NA
Aroclor - 1254	ND	NA
Aroclor - 1260	ND	NA
Aroclor - 1262	ND	NA
Aroclor - 1268	ND	NA
Total PCBs	ND	0.20 (TOTAL PCBs)

Results are in mg/kg (milligrams per kilogram) unless otherwise specified.

() Residential Direct Contact Soil Remediation Standards*

ND - Not Detected (see laboratory report for detection limits)

NA - Not Applicable/Not Available

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

SAMPLE CHAIN OF CUSTODY

CLIENT:	Tilcar Pump & Leaks	DATE:	
ADDRESS:			
CONTACT:		TEL. #:	
PROJECT:		PROJECT LAB ID #:	17-074

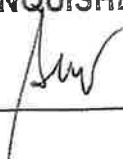
SAMPLE NUMBER	SAMPLING DATE	SAMPLING TIME	SAMPLE TYPE	NO. OF BOTTLES	ANALYSES REQUESTED
17-074	6-22-17	10 AM	Grab	2	NJDEP-SRS

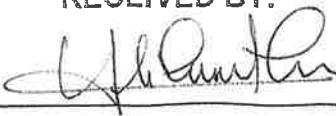
Comments:

Field Measurements: pH= _____ Temp.= _____ Flow Rate= _____

Sample Preservation: Cooled at 4° C H₂SO₄ _____ NaOH _____
HNO₃ _____ HCl _____ Sodium Thiosulfate _____ Other _____

Sampled By: 

RELINQUISHED BY: 

RECEIVED BY: 

DATE AND TIME: 6-21-17 11:30

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT

Client: S & S Environmental

Project: POMPTON LAKES

Lab Case No.: E17-05157

PARAMETER(Units)	Conc	Q	MDL
Lab ID: 05157-001			
Client ID: 17-074			
Matrix: Solid			
Sampled Date: 6/21/17			
Volatiles (Units)			
		<i>(mg/Kg)</i>	
Trichlorofluoromethane	0.00781		0.000188
Acetone	0.011		0.000979
tert-Butyl alcohol (TBA)	0.00298	J	0.000958
2-Butanone (MEK)	0.00146	J	0.000492
Toluene	0.00123		0.000323
TOTAL VO's:	0.024	J	
TOTAL TIC's:	ND		
TOTAL VO's & TIC's:	0.024	J	
Semivolatiles - BNA (Units)			
		<i>(mg/Kg)</i>	
TOTAL BNA'S:	ND		
TOTAL TIC's:	ND		
TOTAL BNA'S & TIC's:	ND		
PCB's (Units)			
		<i>(mg/Kg)</i>	
Aroclor-1016	ND		0.014
Aroclor-1221	ND		0.014
Aroclor-1232	ND		0.014
Aroclor-1242	ND		0.014
Aroclor-1248	ND		0.014
Aroclor-1254	ND		0.014
Aroclor-1260	ND		0.014
Aroclor-1262	ND		0.014
Aroclor-1268	ND		0.014
PCBs	ND		0.014

~ = Sample not analyzed for

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

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

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT
 Client: S & S Environmental
 Project: POMPTON LAKES
 Lab Case No.: E17-05157

Lab ID:	05157-001		
Client ID:	17-074		
Matrix:	Solid		
Sampled Date	6/21/17		
PARAMETER(Units)	Conc	Q	MDL
Pesticides (Units)	<i>(mg/Kg)</i>		
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	ND		0.000164
Endosulfan sulfate	ND		0.000164
4,4'-DDT	ND		0.000164
Endrin ketone	ND		0.000164
Methoxychlor	ND		0.000164
alpha-Chlordane	ND		0.000164
gamma-Chlordane	ND		0.000164
Toxaphene	ND		0.00197
Endosulfan (I and II)	ND		0.000164
Chlordane (alpha and gamma)	ND		0.000164
NJ-EPH-C40 (Units)	<i>(mg/Kg)</i>		
C9-C40	36.5	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.

D = The compound was reported from the Diluted analysis

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

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT

Client: S & S Environmental

Project: POMPTON LAKES

Lab Case No.: E17-05157

PARAMETER(Units)	Conc	Q	MDL
Lab ID:		05157-001	
Client ID:		17-074	
Matrix:		Solid	
Sampled Date		6/21/17	
Metals (Units)		(mg/Kg)	
Aluminum	9320		2.58
Antimony	ND		0.515
Arsenic	ND		0.773
Barium	91.9		0.644
Beryllium	ND		0.644
Cadmium	ND		0.773
Calcium	9420		25.8
Chromium	37.4		0.902
Cobalt	13.3		0.387
Copper	50.8		0.515
Iron	27500		12.9
Lead	0.944	J	0.387
Magnesium	6720		12.9
Manganese	179		0.644
Mercury	ND		0.0089
Nickel	19.3		0.644
Potassium	4480		51.5
Selenium	2.13		0.515
Silver	ND		0.515
Sodium	740		25.8
Thallium	ND		0.515
Vanadium	43.1		0.644
Zinc	25.9		0.773
General Analytical (Units)			
Hexavalent Chromium(mg/Kg)	ND		0.236
Cyanide, Total(mg/Kg)	ND		0.500
pH/Corrosivity(SU)	9.10		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.

Sample #: Field ID: Lab ID: Date Sampled: Depth(ft):	CAS	NJDEP SOIL REMEDIATION STANDARDS				17-074			
		Residential SRS (mg/Kg)	Non-Res SRS (mg/Kg)	Default IGW Screening Level (mg/Kg)		Conc	Q	RL	MDL
Volatiles (mg/Kg)									
Dichlorodifluoromethane	75-71-8	490	230000	39	ND		0.001	0.000235	
Chloromethane	74-87-3	4	12	NS	ND		0.001	0.000185	
Vinyl chloride	75-01-4	0.7	2	0.005	ND		0.001	0.000185	
Bromomethane	74-83-9	25	59	0.04	ND		0.001	0.000298	
Chloroethane	75-00-3	220	1100	NS	ND		0.001	0.000265	
Trichlorofluoromethane	75-69-4	23000	340000	34	0.00781		0.001	0.000188	
Acrolein	107-02-8	0.5	1	0.5	ND		0.020	0.0026	
1,1-Dichloroethene	75-35-4	11	150	0.008	ND		0.001	0.000377	
Acetone	67-64-1	70000	NS	19	0.011		0.010	0.000979	
Carbon disulfide	75-15-0	7800	110000	6	ND		0.001	0.00031	
Methylene chloride	75-09-2	34	97	0.01	ND		0.002	0.00199	
Acrylonitrile	107-13-1	0.9	3	0.5	ND		0.020	0.00408	
tert-Butyl alcohol (TBA)	75-65-0	1400	11000	0.3	0.00298	J	0.004	0.000958	
trans-1,2-Dichloroethene	156-60-5	300	720	0.6	ND		0.001	0.00029	
Methyl tert-butyl ether (MTBE)	1634-04-4	110	320	0.2	ND		0.001	0.000193	
1,1-Dichloroethane	75-34-3	8	24	0.2	ND		0.001	0.000194	
cis-1,2-Dichloroethene	156-59-2	230	560	0.3	ND		0.001	0.000213	
2-Butanone (MEK)	78-93-3	3100	44000	0.9	0.00146	J	0.002	0.000492	
Bromochloromethane	74-97-5	NS	NS	NS	ND		0.001	0.000278	
Chloroform	67-66-3	0.6	2	0.4	ND		0.001	0.00021	
1,1,1-Trichloroethane	71-55-6	290	4200	0.3	ND		0.001	0.000236	
Carbon tetrachloride	56-23-5	0.6	2	0.005	ND		0.001	0.000161	
1,2-Dichloroethane (EDC)	107-06-2	0.9	3	0.005	ND		0.001	0.000264	
Benzene	71-43-2	2	5	0.005	ND		0.001	0.000261	
Trichloroethene	79-01-6	7	20	0.01	ND		0.001	0.00028	
1,2-Dichloropropane	78-87-5	2	5	0.005	ND		0.001	0.000169	
1,4-Dioxane	123-91-1	NS	NS	NS	ND		0.200	0.036	
Bromodichloromethane	75-27-4	1	3	0.005	ND		0.001	0.000233	
cis-1,3-Dichloropropene	10061-01-5	NS	NS	NS	ND		0.001	0.000205	
4-Methyl-2-pentanone (MIBK)	108-10-1	NS	NS	NS	ND		0.002	0.000579	
Toluene	108-88-3	6300	91000	7	0.00123		0.001	0.000323	
trans-1,3-Dichloropropene	10061-02-6	NS	NS	NS	ND		0.001	0.000231	
1,1,2-Trichloroethane	79-00-5	2	6	0.02	ND		0.001	0.00027	
Tetrachloroethene	127-18-4	2	5	0.005	ND		0.001	0.000256	
2-Hexanone	591-78-6	NS	NS	NS	ND		0.002	0.00104	
Dibromochloromethane	124-48-1	3	8	0.005	ND		0.001	0.000187	
1,2-Dibromoethane (EDB)	106-93-4	0.008	0.04	0.005	ND		0.001	0.000177	
Chlorobenzene	108-90-7	510	7400	0.6	ND		0.001	0.000225	

Ethylbenzene	100-41-4	7800	110000	13	ND	0.001	0.000244
Total Xylenes	1330-20-7	12000	170000	19	ND	0.002	0.000433
Styrene	100-42-5	90	260	3	ND	0.001	0.000206
Bromoform	75-25-2	81	280	0.03	ND	0.001	0.000287
Isopropylbenzene	98-82-8	NS	NS	NS	ND	0.001	0.000196
1,1,2,2-Tetrachloroethane	79-34-5	1	3	0.007	ND	0.001	0.000269
1,3-Dichlorobenzene	541-73-1	5300	59000	19	ND	0.001	0.000193
1,4-Dichlorobenzene	106-46-7	5	13	2	ND	0.001	0.000171
1,2-Dichlorobenzene	95-50-1	5300	59000	17	ND	0.001	0.000173
1,2-Dibromo-3-chloropropane	96-12-8	0.08	0.2	0.005	ND	0.002	0.00027
1,2,4-Trichlorobenzene	120-82-1	73	820	0.7	ND	0.001	0.00044
1,2,3-Trichlorobenzene	87-61-6	NS	NS	NS	ND	0.001	0.000481
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	NS	NS	NS	ND	0.001	0.000363
Methyl acetate	79-20-9	78000	NS	22	ND	0.001	0.000467
Cyclohexane	110-82-7	NS	NS	NS	ND	0.005	0.000182
Methylcyclohexane	108-87-2	NS	NS	NS	ND	0.001	0.000208
1,3-Dichloropropene (cis- and trans-)	542-75-6	2	7	0.005	ND	0.001	0.000231
TOTAL VO's:		NS	NS	NS	0.024	J	NA
TOTAL TIC's:		NS	NS	NS	ND		NA
TOTAL VO's & TIC's:		NS	NS	NS	0.024	J	NA

N-Nitrosodiphenylamine	86-30-6	99	390	0.4	ND	0.033	0.028
1,2-Diphenylhydrazine	122-66-7	0.7	2	0.7	ND	0.033	0.032
4-Bromophenyl phenyl ether	101-55-3	NS	NS	NS	ND	0.033	0.027
Hexachlorobenzene	118-74-1	0.3	1	0.2	ND	0.033	0.030
Atrazine	1912-24-9	210	2400	0.2	ND	0.033	0.028
Pentachlorophenol	87-86-5	3	10	0.3	ND	0.033	0.020
Phenanthrene	85-01-8	NS	300000	NS	ND	0.033	0.030
Anthracene	120-12-7	17000	30000	2400	ND	0.033	0.029
Carbazole	86-74-8	24	96	NS	ND	0.033	0.025
Di-n-butyl phthalate	84-74-2	6100	68000	760	ND	0.033	0.025
Fluoranthene	206-44-0	2300	24000	1300	ND	0.033	0.028
Benzidine	92-87-5	0.7	0.7	0.7	ND	0.033	0.020
Pyrene	129-00-0	1700	18000	840	ND	0.033	0.027
Butyl benzyl phthalate	85-68-7	1200	14000	230	ND	0.033	0.030
3,3'-Dichlorobenzidine	91-94-1	1	4	0.2	ND	0.033	0.024
Benzo[a]anthracene	56-55-3	0.6	2	0.8	ND	0.033	0.028
Chrysene	218-01-9	62	230	80	ND	0.033	0.028
Bis(2-ethylhexyl) phthalate	117-81-7	35	140	1200	ND	0.033	0.020
Di-n-octyl phthalate	117-84-0	2400	27000	3300	ND	0.033	0.028
Benzo[b]fluoranthene	205-99-2	0.6	2	2	ND	0.033	0.026
Benzo[k]fluoranthene	207-08-9	6	23	25	ND	0.033	0.027
Benzo[a]pyrene	50-32-8	0.2	0.2	0.2	ND	0.033	0.027
Indeno[1,2,3-cd]pyrene	193-39-5	0.6	2	7	ND	0.033	0.027
Dibenzo[a,h]anthracene	53-70-3	0.2	0.2	0.8	ND	0.033	0.032
Benzo[g,h,i]perylene	191-24-2	380000	30000	NS	ND	0.033	0.029
Dinitrotoluene (2,4- and 2,6-)	25321-14-6	0.7	3	0.2	ND	0.033	0.030
TOTAL BNA'S:		NS	NS	NS	ND		NA
TOTAL TIC's:		NS	NS	NS	ND		NA
TOTAL BNA'S & TIC's:		NS	NS	NS	ND		NA

Pesticides (mg/Kg)	Conc	Q	RL	MDL
alpha-BHC	ND		0.000328	0.000164
beta-BHC	ND		0.000328	0.000164
gamma-BHC (Lindane)	ND		0.000328	0.000164
delta-BHC	ND		0.000328	0.000164
Heptachlor	ND		0.000328	0.000164
Aldrin	ND		0.000328	0.000164
Heptachlor epoxide	ND		0.000328	0.000164
Endosulfan I	ND		0.000328	0.000164
4,4'-DDE	ND		0.000328	0.000164
Dieldrin	ND		0.000328	0.000164
Endrin	ND		0.000328	0.000164
Endosulfan II	ND		0.000328	0.000164
4,4'-DDD	ND		0.000328	0.000164
Endrin aldehyde	ND		0.000328	0.000164
Endosulfan sulfate	ND		0.000328	0.000164
4,4'-DDT	ND		0.000328	0.000164
Endrin ketone	ND		0.000328	0.000164
Methoxychlor	ND		0.000328	0.000164
alpha-Chlordane	ND		0.000328	0.000164
gamma-Chlordane	ND		0.000328	0.000164
Toxaphene	ND		0.0041	0.00197
Endosulfan (I and II)	ND		0.000328	0.000164
Chlordane (alpha and gamma)	ND		0.000328	0.000164

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: POMPTON LAKES
 IAL SDG No:E17-05157

NJ-EPH-C40 (mg/Kg)	IALC9C40	NS	NS	NS	Conc	Q	RL	MDL
C9-C40	IALC9C40	NS	NS	NS	36.5	J	48.8	19.5

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.

Metals (mg/Kg)					Conc	Q	RL	MDL
Aluminum	7429-90-5	75000	NS	6000	9320		12.9	2.58
Antimony	7440-36-0	31	450	6	ND		1.29	0.515
Arsenic	7440-38-2	19	19	19	ND		1.29	0.773
Barium	7440-39-3	16000	59000	2100	91.9		1.29	0.644
Beryllium	7440-41-7	16	140	0.7	ND		1.29	0.644
Cadmium	7440-43-9	78	78	2	ND		1.29	0.773
Calcium	7440-70-2	NS	NS	NS	9420		129	25.8
Chromium	7440-47-3	NS	NS	NS	37.4		1.29	0.902
Cobalt	7440-48-4	1600	590	90	13.3		1.29	0.387
Copper	7440-50-8	3100	45000	11000	50.8		1.29	0.515
Iron	7439-89-6	NS	NS	NS	27500		129	12.9
Lead	7439-92-1	400	800	90	0.944	J	1.29	0.387
Magnesium	7439-95-4	NS	NS	NS	6720		129	12.9
Manganese	7439-96-5	11000	5900	65	179		1.29	0.644
Mercury	7439-97-6	23	65	0.1	ND		0.022	0.0089
Nickel	7440-02-0	1600	23000	48	19.3		1.29	0.644
Potassium	7440-09-7	NS	NS	NS	4480		129	51.5
Selenium	7782-49-2	390	5700	11	2.13		1.29	0.515
Silver	7440-22-4	390	5700	1	ND		1.29	0.515
Sodium	7440-23-5	NS	NS	NS	740		129	25.8
Thallium	7440-28-0	5	79	3	ND		1.29	0.515
Vanadium	7440-62-2	78	1100	NS	43.1		1.29	0.644
Zinc	7440-66-6	23000	110000	930	25.9		1.29	0.773

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.

General Analytical	18540-29-9	240	20	NS	Conc	Q	RL	MDL
Hexavalent Chromium-mg/Kg	57-12-5	1600	23000	20	ND		1.00	0.236
Cyanide, Total-mg/Kg	SRP 6	NS	NS	NS	9.10		NA	NA
pH/Corrosivity-SU								
NJDEP Soil Remediation Standards: Remediation Standards N.J.A.C. 7:26E, May 2012								
BOLD Conc	Indicates a concentration that exceeds applicable criteria.							
BOLD RL	Indicates RL that exceeds applicable criteria.							
BOLD MDL	Indicates MDL that exceeds applicable criteria.							
NS = No Standard Available								
~ = Sample not analyzed for								
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								
All qualifiers on individual Volatiles & Semivolatiles are carried down through summation.								



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

Rush TAT Charge

Deliverables

EDDs

Concentrations Expected:

REPORT TO: Address: Atn: FAX #		NJ, CT, PA NY <input type="checkbox"/> Results Only <input type="checkbox"/> ASP Category <input checked="" type="checkbox"/> Reduced <input type="checkbox"/> A <input type="checkbox"/> Regulatory/ Full <input type="checkbox"/> ASP Category <input type="checkbox"/> B		NJ SRP NYSDEC EQUIS <input type="checkbox"/> lab approved custom EDD <input type="checkbox"/> NO EDD REQ'D		Low Med High These samples have been previously analyzed by IAL	
INVOICE TO: Address: Atn: PO # Quote #		Standard (10 business days) Verbal Rush/date needed (only if pre-approved)* Hard Copy: Std 3 week Other - call for price Petroleum Hydrocarbons - Selection is REQUIRED <input type="checkbox"/> NJ EPH-DRO - Category 1 TAT for PHC (further than 2 weeks) <input checked="" type="checkbox"/> NJ EPH-C40 - Category 2 <input type="checkbox"/> NJ EPH-Fractionated - Cat 2 <input type="checkbox"/> DRO-8015		Turn-Around Time (TAT)		Regulatory Requirement New Jersey <input type="checkbox"/> GWQS <input checked="" type="checkbox"/> IGW <input type="checkbox"/> SRS <input type="checkbox"/> Ecological <input type="checkbox"/> DW <input type="checkbox"/> SPLP	New York <input type="checkbox"/> AWQS (TOGS Table 1) <input type="checkbox"/> GWEL (TOGS Table 5) <input type="checkbox"/> Part 375-6.8(a) - Unrestricted <input type="checkbox"/> Part 375-6.8(b) - Restricted <input type="checkbox"/> CP-51 Table 2 or 3 (selection required) OTHER Reg. Req. (specify)
COMPLETED BY IAL: Field Sampling <input type="checkbox"/> Equipment Rental <input type="checkbox"/>		Sample Matrix OI - Oil S - Soil SOL - Solid SL - Sludge W - Wipe B - Biphasic		ANALYTICAL PARAMETERS (please note if contingent)			
Client ID	17-074	Depth (ft only)		Matrix	# containers	IAL #	
Known Hazard: YES / NO		Date	6-21-17	Time	10:00	5	
Describe:	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). IAL Rev 2/2014			Container Code: A = Amber Glass B = Plastic C = Vial D = Glass E = EnCore T = Terracora		Preservative Code: 1 = None 2 = HCl 3 = HNO3 4 = MeOH 5 = NaOH 6 = H2SO4 7 = Other	
Carrier (check one): <input type="checkbox"/> IAL Courier <input type="checkbox"/> Client Courier <input type="checkbox"/> FedEx/UPS***			Special Instructions/QC Requirements & Comments: (*) including NJ DEP-SRS parameters		Preservative (use code) Container Type (use code)	FOR LAB USE ONLY SDG #:	
Rollmushed by (Signature and Company)		Date Time		Received by (Signature and Company)		Cooler Temp: °C	
Signature: [Signature]		Date: 6-21-17 1:15 Time: 1:15		Signature: [Signature]		Date: 6-21-17 1:15 Time: 1:15	