



# ACT ENGINEERS, INC.

NJDEP Residential  
Soil Remediation  
Standards Direct  
Contact

						NPLC-1	NPLC-2	NPLC-3	COMP-NPC	NPLBF-3	NPLBF-4	NPLBF-5	COMP-NPLBF-B	NPLBF-7	NPLBF-8	NPLBF-9	COMP-NPLBF-C	NPLBF-10	NPLBF-11	NPLBF-12	COMP-NPLBF-D
						180-60512-2	180-60516-3	180-60516-1	180-60516-4	180-60516-5	180-60516-6	180-60516-7	180-60516-8	180-60897-19	180-60897-18	180-60897-17	180-60897-20	180-61161-12	180-61161-11	180-61161-10	180-61161-13
						11/1/2016	11/1/2016	11/1/2016	11/1/2016	11/1/2016	11/1/2016	11/1/2016	11/1/2016	11/14/2016	11/14/2016	11/14/2016	11/14/2016	11/16/2016	11/16/2016	11/16/2016	11/16/2016
Analyte	CAS Number	Units	Specific Method	Reports To	Basis	1:00 PM	1:30 PM	11:00 AM	2:00 PM	3:00 PM	3:30 PM	4:00 PM	4:15 PM	12:00 PM	11:30 AM	11:00 AM	12:15 PM	9:15 AM	9:00 AM	8:30 AM	9:45 AM
Percent Moisture	N/A	%	Percent Moisture	MRL	Total	64.4	65.1	64.5	68.8	16.3	20.7	12.5	18.6	63.2	65.0	54.5	50.8	64.4	68.5	58.9	57.5
Clay	N/A	%	Grain Size	MRL	Total	23.1	34.4	34.9	30.9	1.8	2.0	1.4	1.1	9.9	15.2	12.0	11.3	6.3	13.1	15.5	9.9
Silt	N/A	%	Grain Size	MRL	Total	67.7	63.7	64.1	63.5	1.1	2.9	0.06	1.2	47.6	65.6	36.4	47.9	40.9	72.4	31.2	51.9
Fine Sand	N/A	%	Grain Size	MRL	Total	6.4	1.5	0.7	3.4	96.4	93.5	97.9	96.6	35.3	14.4	36.2	37.4	47.4	8.3	37.8	29.8
Medium Sand	N/A	%	Grain Size	MRL	Total	2.6	0.4	0.3	2.2	0.7	1.7	0.6	1.2	3.0	3.9	3.5	3.0	3.3	4.1	6.8	3.8
Coarse Sand	N/A	%	Grain Size	MRL	Total	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	0.9	2.8	0.4	2.1	2.1	5.5	4.6
Sand	N/A	%	Grain Size	MRL	Total	9.2	1.9	1.0	5.6	97.1	95.2	98.5	97.8	42.5	19.2	42.5	40.8	52.8	14.5	50.1	38.2
Gravel	N/A	%	Grain Size	MRL	Total	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	0.0	0.0	0.0	3.2	0.0
Sieve Size 3 inch - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Sieve Size 2 inch - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Sieve Size 1.5 inch - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Sieve Size 1 inch - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Sieve Size 0.75 inch - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Sieve Size 0.375 inch - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	90.9	100.0	100.0	100.0	100.0	100.0
Sieve Size #4 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Sieve Size #10 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	95.8	99.1	88.1	99.6	97.9	97.9	91.3	95.4
Sieve Size #20 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	97.8	99.7	99.9	98.4	100.0	100.0	100.0	100.0	93.5	96.8	85.2	97.4	95.9	94.9	87.4	92.8
Sieve Size #40 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	97.2	99.6	99.7	97.8	99.3	98.3	99.4	98.8	92.8	95.2	84.6	96.6	94.6	93.8	84.5	91.6
Sieve Size #60 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	96.5	99.2	99.4	97.2	63.4	59.3	72.5	58.5	86.9	93.3	80.0	91.8	88.7	92.5	80.6	87.1
Sieve Size #80 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	96.1	98.9	99.4	96.6	21.6	25.6	25.4	20.7	74.5	90.7	68.9	80.5	75.2	91.6	74.1	77.7
Sieve Size #100 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	95.7	98.7	99.3	96.2	7.6	11.5	8.0	8.2	68.5	88.3	62.2	72.9	65.1	91.0	68.5	71.7
Sieve Size #200 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	90.8	98.1	99.0	94.4	2.9	4.8	1.5	2.2	57.5	80.8	48.4	59.2	47.2	85.5	46.7	61.8
Hydrometer Reading 1 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	63.4	91.0	86.5	84.9	1.8	2.0	1.4	1.1	44.6	65.0	46.4	32.6	20.5	57.5	31.0	43.0
Hydrometer Reading 2 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	50.8	79.6	80.8	71.4	1.8	2.0	1.4	1.1	32.4	44.7	36.5	27.7	17.3	35.3	28.4	33.0
Hydrometer Reading 3 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	33.1	51.4	55.0	44.4	1.8	2.0	1.4	1.1	12.0	21.4	18.1	16.2	7.9	19.6	20.7	13.2
Hydrometer Reading 4 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	23.1	40.1	43.5	34.3	1.8	2.0	1.4	1.1	12.0	18.3	14.4	12.1	7.1	15.7	18.1	11.0
Hydrometer Reading 5 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	23.1	34.4	34.9	30.9	1.8	2.0	1.4	1.1	9.9	15.2	12.0	11.3	6.3	13.1	15.5	9.9
Hydrometer Reading 6 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	16.8	24.5	22.0	22.5	1.5	1.7	1.1	0.8	8.2	14.0	9.8	9.0	5.1	11.1	12.3	8.3
Hydrometer Reading 7 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	14.3	18.9	16.3	15.7	0.9	1.0	1.1	0.8	7.1	10.9	8.6	7.4	5.1	11.1	11.0	8.3



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							SN-1	SN-2	SN-3	COMP-SN	SNBF-1	SNBF-2	COMP-SNBF-A	SNBF-3	SNBF-4	SNBF-5	COMP-SNBF-B	SNBF-6	SNBF-7	COMP-SNBF-C	
							180-60897-21	180-60897-22	180-60897-23	180-60897-24	180-60708-8	108-60708-9	180-60708-10	180-60708-11	180-60708-12	180-60708-13	180-60708-14	180-60708-15	180-60708-16	180-60708-17	
							11/14/2016	11/14/2016	11/14/2016	11/14/2016	11/8/2016	11/8/2016	11/8/2016	11/8/2016	11/8/2016	11/8/2016	11/8/2016	11/8/2016	11/8/2016	11/8/2016	11/8/2016
							1:15 PM	1:30 PM	1:45 PM	2:00 PM	9:30 AM	10:00 AM	10:15 AM	12:00 AM	12:00 AM	12:00 AM	12:00 AM	12:00 AM	12:00 AM	12:00 AM	12:00 AM
Analyte	CAS Number	Units	Specific Method	Reports To	Basis																
Percent Moisture	N/A	%	Percent Moisture	MRL	Total		60.7	62.6	64.8	66.6	65.1	64.6	59.9	40.1	56.4	51.1	55.6	51.4	46.1	47.5	
Clay	N/A	%	Grain Size	MRL	Total		16.3	14.7	17.2	15.8	20.1	20.8	17.1	9.6	12.9	11.7	12.3	7.7	11.0	10.7	
Silt	N/A	%	Grain Size	MRL	Total		76.7	81.4	80.2	79.9	69.0	60.8	68.2	52.1	53.8	52.7	50.4	41.3	32.4	33.9	
Fine Sand	N/A	%	Grain Size	MRL	Total		4.6	2.9	1.9	2.7	7.7	13.5	12.3	35.2	30.1	32.9	33.1	48.2	53.1	53.3	
Medium Sand	N/A	%	Grain Size	MRL	Total		2.4	1.0	0.7	1.6	3.2	3.5	2.2	3.1	2.8	2.7	4.2	2.0	2.7	2.1	
Coarse Sand	N/A	%	Grain Size	MRL	Total		0.0	0.0	0.0	0.0	0.0	1.4	0.2	0.0	0.4	0.0	0.0	0.8	0.8	0.0	
Sand	N/A	%	Grain Size	MRL	Total		7.0	3.9	2.6	4.3	10.9	18.4	14.7	38.3	33.3	35.6	37.3	51.0	56.6	55.4	
Gravel	N/A	%	Grain Size	MRL	Total		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Sieve Size 3 inch - Percent Finer	N/A	% Passing	Grain Size	MRL	Total		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
Sieve Size 2 inch - Percent Finer	N/A	% Passing	Grain Size	MRL	Total		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
Sieve Size 1.5 inch - Percent Finer	N/A	% Passing	Grain Size	MRL	Total		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
Sieve Size 1 inch - Percent Finer	N/A	% Passing	Grain Size	MRL	Total		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
Sieve Size 0.75 inch - Percent Finer	N/A	% Passing	Grain Size	MRL	Total		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
Sieve Size 0.375 inch - Percent Finer	N/A	% Passing	Grain Size	MRL	Total		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
Sieve Size #4 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
Sieve Size #10 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total		100.0	100.0	100.0	100.0	100.0	98.6	99.8	100.0	99.6	100.0	100.0	99.2	99.2	100.0	
Sieve Size #20 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total		98.2	99.5	99.8	98.8	97.5	95.8	98.1	97.8	97.4	97.9	97.1	97.6	97.7	98.6	
Sieve Size #40 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total		97.6	99.0	99.3	98.4	96.8	95.1	97.6	96.9	96.8	97.3	95.8	97.2	96.5	97.9	
Sieve Size #60 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total		96.8	98.5	98.9	98.0	96.2	94.3	97.0	95.7	95.9	96.3	94.2	96.3	94.6	96.5	
Sieve Size #80 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total		96.0	97.9	98.5	97.6	95.7	93.6	96.5	94.6	95.1	95.3	92.9	94.7	92.1	94.6	
Sieve Size #100 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total		95.5	97.5	98.2	97.3	95.1	92.8	95.9	93.2	93.8	93.4	91.0	90.2	86.8	90.3	
Sieve Size #200 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total		93.0	96.1	97.4	95.7	89.1	81.6	85.3	61.7	66.7	64.4	62.7	49.0	43.4	44.6	
Hydrometer Reading 1 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total		76.7	81.3	87.8	80.9	68.7	56.8	61.8	49.5	45.4	43.7	48.7	30.4	29.5	30.8	
Hydrometer Reading 2 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total		63.3	64.2	77.2	71.1	57.9	46.0	49.9	31.7	34.6	33.8	35.7	22.2	27.2	26.4	
Hydrometer Reading 3 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total		23.1	56.6	34.9	32.1	29.1	29.8	26.1	14.0	21.0	16.6	17.5	11.9	17.9	15.1	
Hydrometer Reading 4 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total		19.7	14.7	20.7	19.1	23.7	24.4	20.1	11.1	15.6	14.1	12.3	7.7	13.3	12.9	
Hydrometer Reading 5 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total		16.3	14.7	17.2	15.8	20.1	20.8	17.1	9.6	12.9	11.7	12.3	7.7	11.0	10.7	
Hydrometer Reading 6 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total		13.4	13.3	14.1	11.4	14.7	14.9	13.8	9.2	11.2	10.1	10.7	6.4	9.5	9.3	
Hydrometer Reading 7 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total		11.7	9.5	12.4	11.4	10.8	14.9	13.8	9.2	9.8	8.9	9.4	6.4	8.4	8.1	



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Soil Remediation  
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	GC-1	GC-2	COMP-GC-A
	180-60897-25	180-60897-26	180-60897-27
	11/14/2016	11/14/2016	11/14/2016
	3:00 PM	3:15 PM	3:30 PM

Analyte	CAS Number	Units	Specific Method	Reports To	Basis
Percent Moisture	N/A	%	Percent Moisture	MRL	Total
Clay	N/A	%	Grain Size	MRL	Total
Silt	N/A	%	Grain Size	MRL	Total
Fine Sand	N/A	%	Grain Size	MRL	Total
Medium Sand	N/A	%	Grain Size	MRL	Total
Coarse Sand	N/A	%	Grain Size	MRL	Total
Sand	N/A	%	Grain Size	MRL	Total
Gravel	N/A	%	Grain Size	MRL	Total
Sieve Size 3 inch - Percent Finer	N/A	% Passing	Grain Size	MRL	Total
Sieve Size 2 inch - Percent Finer	N/A	% Passing	Grain Size	MRL	Total
Sieve Size 1.5 inch - Percent Finer	N/A	% Passing	Grain Size	MRL	Total
Sieve Size 1 inch - Percent Finer	N/A	% Passing	Grain Size	MRL	Total
Sieve Size 0.75 inch - Percent Finer	N/A	% Passing	Grain Size	MRL	Total
Sieve Size 0.375 inch - Percent Finer	N/A	% Passing	Grain Size	MRL	Total
Sieve Size #4 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total
Sieve Size #10 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total
Sieve Size #20 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total
Sieve Size #40 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total
Sieve Size #60 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total
Sieve Size #80 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total
Sieve Size #100 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total
Sieve Size #200 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total
Hydrometer Reading 1 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total
Hydrometer Reading 2 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total
Hydrometer Reading 3 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total
Hydrometer Reading 4 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total
Hydrometer Reading 5 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total
Hydrometer Reading 6 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total
Hydrometer Reading 7 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total

56.6	62.4	59.3
35.1	12.2	17.6
51.8	70.3	65.3
9.3	16.0	14.8
3.0	1.2	1.8
0.8	0.3	0.5
13.1	17.5	17.1
0.0	0.0	0.0
100.0	100.0	100.0
100.0	100.0	100.0
100.0	100.0	100.0
100.0	100.0	100.0
100.0	100.0	100.0
100.0	100.0	100.0
100.0	100.0	100.0
99.2	99.7	99.5
97.6	98.9	98.3
96.2	98.5	97.7
94.9	97.6	96.6
93.8	96.4	95.4
92.5	94.8	93.6
86.9	82.5	82.9
69.8	58.4	59.7
65.7	44.7	53.9
55.5	15.7	27.8
43.3	14.0	19.1
35.1	12.2	17.6
25.9	11.4	15.5
17.7	9.7	12.6



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						GCBF-1	GCBF-2	GCBF-3	GCBF-4	COMP-GCBF-A	CAVEC-1	CAVEC-2	COMP-CAVEC-A	CA-1	CA-2	CA-3	COMP-CA-A
						180-61161-8 11/15/2016 4:00 PM	180-61161-7 11/15/2016 3:45 PM	180-61161-6 11/15/2016 3:30 PM	180-61161-5 11/15/2016 3:15 PM	180-61161-9 11/15/2016 4:30 PM	180-61161-31 11/17/2016 3:30 PM	180-61161-30 11/17/2016 3:15 PM	180-61161-32 11/17/2016 4:00 PM	180-60708-1 11/7/2016 11:00 AM	180-60708-2 11/7/2016 11:30 AM	180-60708-3 11/7/2016 12:15 PM	180-60708-4 11/7/2016 12:30 PM
Analyte	CAS Number	Units	Specific Method	Reports To	Basis												
Percent Moisture	N/A	%	Percent Moisture	MRL	Total	57.1	63.0	26.0	54.1	51.5	39.1	57.0	49.5	63.2	63.3	56.4	64.3
Clay	N/A	%	Grain Size	MRL	Total	10.2	10.6	5.8	12.0	12.3	7.3	9.3	7.2	35.2	18.4	24.1	25.1
Silt	N/A	%	Grain Size	MRL	Total	57.6	64.3	15.6	62.6	38.6	35.9	63.8	48.9	33.6	78.5	47.9	58.9
Fine Sand	N/A	%	Grain Size	MRL	Total	29.2	10.0	77.5	19.8	44.2	53.3	23.4	41.5	28.0	1.3	25.1	11.9
Medium Sand	N/A	%	Grain Size	MRL	Total	2.0	2.1	0.7	4.0	3.4	1.3	3.5	2.0	2.5	1.8	2.9	2.0
Coarse Sand	N/A	%	Grain Size	MRL	Total	1.0	7.3	0.5	1.6	1.5	2.2	0.0	0.5	0.2	0.0	0.0	0.7
Sand	N/A	%	Grain Size	MRL	Total	32.2	19.4	78.7	25.4	49.1	56.8	26.9	44.0	30.7	3.1	28.0	14.6
Gravel	N/A	%	Grain Size	MRL	Total	0.0	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	1.4
Sieve Size 3 inch - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Sieve Size 2 inch - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Sieve Size 1.5 inch - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Sieve Size 1 inch - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Sieve Size 0.75 inch - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Sieve Size 0.375 inch - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Sieve Size #4 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	100.0	94.3	100.0	100.0	100.0	100.0	100.0	100.0	99.5	100.0	100.0	98.6
Sieve Size #10 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	99.0	87.0	99.5	98.4	98.5	97.8	100.0	99.5	99.3	100.0	100.0	97.9
Sieve Size #20 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	97.7	85.7	99.1	95.5	96.2	96.8	96.9	98.0	98.3	98.9	97.6	96.3
Sieve Size #40 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	97.0	84.9	98.8	94.4	95.1	96.5	96.5	97.5	96.8	98.2	97.1	95.9
Sieve Size #60 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	96.0	84.0	97.8	92.9	93.3	95.7	95.7	96.3	96.2	97.9	96.5	95.5
Sieve Size #80 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	94.7	83.2	96.1	91.6	91.8	94.4	94.7	94.9	93.4	97.6	95.0	94.6
Sieve Size #100 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	92.3	82.1	93.8	90.5	89.9	92.6	93.6	93.1	85.3	97.4	91.2	92.4
Sieve Size #200 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	67.8	74.9	21.3	74.6	50.9	43.2	73.1	56.0	68.8	96.9	72.0	84.0
Hydrometer Reading 1 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	44.6	50.2	14.2	52.2	39.3	25.5	63.6	39.6	67.9	88.9	55.3	74.6
Hydrometer Reading 2 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	37.9	39.8	11.4	42.8	33.6	19.5	48.1	30.8	63.8	72.8	46.1	69.3
Hydrometer Reading 3 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	15.7	15.8	8.6	14.4	17.9	11.3	14.4	27.3	51.6	26.5	33.3	35.7
Hydrometer Reading 4 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	11.3	10.6	7.2	12.0	14.6	9.3	9.3	8.0	45.4	20.5	27.8	28.6
Hydrometer Reading 5 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	10.2	10.6	5.8	12.0	12.3	7.3	9.3	7.2	35.2	18.4	24.1	25.1
Hydrometer Reading 6 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	10.2	9.6	5.8	10.8	10.7	7.1	9.1	7.0	21.9	14.1	16.8	19.8
Hydrometer Reading 7 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	9.1	7.5	4.3	9.7	10.7	5.1	7.8	6.1	13.7	10.1	12.8	15.9



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Analyte	CAS Number	Units	Specific Method	Reports To	Basis	SU-1	SU-2	SU-3	COMP-SU-A	SU-4	SU-5	SU-6	COMP-SU-B	SU-7	SU-8	SU-9	COMP-SU-C	CASU-1	CASU-2	COM-CASU-A	CASU-3	CASU-4	COMP-CASU-B
						180-61161-28 11/17/2016 2:00 PM	180-61161-27 11/17/2016 1:45 PM	180-61161-26 11/17/2016 1:30 PM	180-61161-29 11/17/2016 2:30 PM	180-61161-24 11/17/2016 12:00 PM	180-61161-23 11/17/2016 11:15 AM	180-61161-22 11/17/2016 10:45 AM	180-61161-25 11/17/2016 12:30 PM	180-61161-3 11/15/2016 2:30 PM	180-61161-1 11/15/2016 2:00 PM	180-61161-2 11/15/2016 2:15 PM	180-61161-4 11/15/2016 2:45 PM	180-60708-5 11/7/2016 2:00 PM	180-60708-6 11/7/2016 2:30 PM	180-60708-7 11/7/2016 3:00 PM	180-61161-20 11/17/2016 9:30 AM	180-61161-19 11/17/2016 9:00 AM	180-61161-21 11/17/2016 10:00 AM
Percent Moisture	N/A	%	Percent Moisture	MRL	Total	57.1	65.2	58.3	59.7	60.4	59.9	63.8	64.5	66.1	67.0	67.1	69.1	62.3	36.9	57.0	65.4	48.0	55.8
Clay	N/A	%	Grain Size	MRL	Total	16.9	23.6	25.9	16.8	24.0	25.7	16.7	17.1	12.5	19.0	18.8	14.9	18.4	17.0	18.3	14.7	27.4	21.5
Silt	N/A	%	Grain Size	MRL	Total	48.4	52.7	40.3	56.9	42.8	28.6	77.8	55.9	83.1	72.7	75.6	78.5	63.3	25.9	45.3	61.5	55.2	56.0
Fine Sand	N/A	%	Grain Size	MRL	Total	26.7	18.6	31.9	17.8	28.6	40.8	2.3	23.2	3.2	4.7	2.4	3.3	14.5	54.7	34.3	17.6	14.0	18.1
Medium Sand	N/A	%	Grain Size	MRL	Total	6.0	5.1	1.9	7.4	4.1	4.8	3.2	3.0	1.0	3.6	2.8	2.6	3.8	1.4	2.1	5.0	3.4	3.4
Coarse Sand	N/A	%	Grain Size	MRL	Total	2.0	0.0	0.0	1.1	0.5	0.1	0.0	0.8	0.2	0.0	0.4	0.7	0.0	1.0	0.0	1.2	0.0	1.0
Sand	N/A	%	Grain Size	MRL	Total	34.7	23.7	33.8	26.3	33.2	45.7	5.5	27.0	4.4	8.3	5.6	6.6	18.3	57.1	36.4	23.8	17.4	22.5
Gravel	N/A	%	Grain Size	MRL	Total	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sieve Size 3 inch - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Sieve Size 2 inch - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Sieve Size 1.5 inch - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Sieve Size 1 inch - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Sieve Size 0.75 inch - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Sieve Size 0.375 inch - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Sieve Size #4 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Sieve Size #10 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	98.0	100.0	100.0	98.9	99.5	99.9	100.0	99.2	99.8	100.0	99.6	99.3	100.0	99.0	100.0	98.8	100.0	99.0
Sieve Size #20 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	94.0	95.6	99.1	92.7	96.7	98.7	97.7	97.8	99.3	98.0	98.4	97.5	96.8	97.9	98.3	94.8	97.2	96.7
Sieve Size #40 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	92.0	94.9	98.1	91.5	95.4	95.1	96.8	96.2	98.8	96.4	96.8	96.7	96.2	97.6	97.9	93.8	96.6	95.6
Sieve Size #60 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	89.2	93.5	96.5	89.5	93.5	87.9	95.9	93.3	98.2	94.8	95.4	96.0	95.4	97.2	97.2	92.4	95.7	94.2
Sieve Size #80 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	86.1	91.3	92.5	86.5	92.1	84.6	95.5	91.5	97.8	94.2	95.0	95.5	94.7	96.4	96.4	91.2	94.8	93.3
Sieve Size #100 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	81.1	87.1	85.0	82.2	88.5	78.8	95.3	87.9	97.4	93.8	94.9	95.1	94.0	92.4	94.0	89.9	94.0	92.5
Sieve Size #200 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	65.3	76.3	66.2	73.7	66.8	54.3	94.5	73.0	95.6	91.7	94.4	93.4	81.7	42.9	63.6	76.2	82.6	77.5
Hydrometer Reading 1 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	54.0	72.8	59.5	65.3	64.6	50.2	91.5	69.0	82.7	88.8	88.9	88.3	60.1	29.4	42.1	55.7	54.8	57.5
Hydrometer Reading 2 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	45.0	60.5	52.8	55.1	57.6	44.6	79.5	60.6	70.5	75.1	77.8	79.5	49.2	27.1	38.7	44.0	44.8	48.5
Hydrometer Reading 3 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	24.5	30.9	41.6	24.5	40.8	39.1	52.6	30.9	36.9	27.5	31.7	59.0	27.5	22.6	28.5	17.6	34.9	35.0
Hydrometer Reading 4 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	19.4	24.8	30.4	18.1	29.6	32.4	28.7	20.3	17.0	20.7	22.5	29.6	22.1	20.4	22.8	17.6	31.1	26.0
Hydrometer Reading 5 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	16.9	23.6	25.9	16.8	24.0	25.7	16.7	17.1	12.5	19.0	18.8	14.9	18.4	17.0	18.3	14.7	27.4	21.5
Hydrometer Reading 6 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	14.1	18.4	20.2	14.0	21.0	20.0	13.5	14.8	12.5	17.3	16.9	12.0	14.8	13.7	14.9	13.9	21.8	18.0
Hydrometer Reading 7 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	11.5	16.0	16.8	12.8	16.8	14.4	13.5	13.8	12.5	13.9	15.1	12.0	10.9	7.9	10.2	12.5	16.8	14.6



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				SH-1	SH-2	COMP-SH-A	SH-3	SH-4	SH-5	SH-6	COMP-SH-B	SH-7	SH-8	COMP-SH-C	SH-9	SH-10	SH-11	COMP-SH-D	SH-12	SH-13	COMP-SH-E	SH-14	SH-15	SH-16	COMP-SH-F		
				180-61161-14	180-61161-15	180-61161-16	180-61161-17	180-60897-11	180-60897-12	180-60897-28	180-60897-13	180-60897-2	180-60897-1	180-60897-3	180-61161-18	180-60897-15	180-60897-14	180-60897-16	180-60897-9	180-60897-8	180-60897-10	180-60897-6	180-60897-5	180-60897-4	180-60897-7		
				11/16/2016	11/16/2016	11/16/2016	11/16/2016	11/11/2016	11/11/2016	11/11/2016	11/11/2016	11/10/2016	11/10/2016	11/10/2016	11/16/2016	11/11/2016	11/11/2016	11/11/2016	11/10/2016	11/10/2016	11/10/2016	11/10/2016	11/10/2016	11/10/2016	11/10/2016	11/10/2016	
Analyte	CAS Number	Units	Specific Method	Reports To	Basis																						
Percent Moisture	N/A	%	Percent Moisture	MRL	Total	47.6	61.9	58.8	36.3	55.8	68.8	44.6	62.3	64.9	60.3	68.0	65.4	60.2	49.6	67.2	64.3	57.7	64.5	60.0	57.9	64.5	
Clay	N/A	%	Grain Size	MRL	Total	18.4	27.0	19.4	11.3	27.7	16.0	26.5	19.1	23.2	19.0	20.2	20.3	22.6	30.8	21.9	21.8	27.8	17.0	30.4	36.9	43.1	19.3
Silt	N/A	%	Grain Size	MRL	Total	63.8	48.8	57.3	19.4	51.8	74.1	60.2	69.7	65.5	51.5	64.4	64.3	73.5	39.6	53.9	56.7	46.4	60.5	53.1	49.3	44.1	49.1
Fine Sand	N/A	%	Grain Size	MRL	Total	13.0	16.7	16.0	54.6	15.8	6.4	8.8	6.6	8.4	27.5	11.3	13.6	2.6	26.9	21.6	15.9	22.8	19.0	13.7	11.0	6.6	27.1
Medium Sand	N/A	%	Grain Size	MRL	Total	3.0	5.3	4.8	10.0	4.6	3.5	4.2	3.5	2.9	1.9	4.1	1.5	1.3	1.9	1.6	5.4	2.9	2.8	2.8	2.8	6.1	4.5
Coarse Sand	N/A	%	Grain Size	MRL	Total	1.8	2.2	2.5	2.9	0.1	0.0	0.3	1.1	0.0	0.1	0.0	0.3	0.0	0.8	1.0	0.2	0.1	0.7	0.0	0.0	0.1	0.0
Sand	N/A	%	Grain Size	MRL	Total	17.8	24.2	23.3	67.5	20.5	9.9	13.3	11.2	11.3	29.5	15.4	15.4	3.9	29.6	24.2	21.5	25.8	22.5	16.5	13.8	12.8	31.6
Gravel	N/A	%	Grain Size	MRL	Total	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sieve Size 3 inch - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Sieve Size 2 inch - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Sieve Size 1.5 inch - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Sieve Size 1 inch - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Sieve Size 0.75 inch - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Sieve Size 0.375 inch - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Sieve Size #4 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	100.0	100.0	100.0	98.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Sieve Size #10 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	98.2	97.8	97.5	95.3	99.9	100.0	99.7	98.9	100.0	99.9	100.0	99.7	100.0	99.2	99.0	99.8	99.9	99.3	100.0	100.0	99.9	100.0
Sieve Size #20 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	96.0	94.0	94.4	91.7	97.6	98.3	96.0	96.2	98.4	99.2	97.1	98.8	99.4	98.0	98.4	98.2	99.0	98.4	98.4	98.7	98.7	97.3
Sieve Size #40 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	95.2	92.5	92.7	85.3	95.3	95.5	95.4	95.4	97.1	98.0	95.9	98.2	98.7	97.3	97.4	94.4	97.0	96.5	97.2	97.2	93.8	95.5
Sieve Size #60 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	93.9	90.9	90.2	78.2	92.7	94.6	94.6	94.5	95.3	95.6	94.1	96.9	98.1	96.2	95.3	90.7	94.6	94.2	95.4	95.3	92.5	93.0
Sieve Size #80 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	93.0	89.9	88.8	74.5	90.1	92.8	94.0	94.0	94.3	93.4	92.9	95.8	97.9	95.2	93.6	87.9	92.1	92.0	94.3	94.2	91.8	89.7
Sieve Size #100 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	92.1	88.6	87.5	70.2	87.9	92.0	93.0	93.4	93.4	89.0	91.4	94.5	97.6	92.0	91.2	85.9	88.4	89.3	93.0	92.9	91.0	84.5
Sieve Size #200 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	82.2	75.8	76.7	30.7	79.5	90.1	86.7	88.8	88.7	70.5	84.6	84.6	96.1	70.4	75.8	78.5	74.2	77.5	83.5	86.2	87.2	68.4
Hydrometer Reading 1 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	46.1	61.7	56.8	19.7	68.7	77.0	75.9	74.2	80.5	68.4	80.0	65.1	89.8	59.1	65.2	78.6	63.4	72.6	75.6	74.7	79.1	64.0
Hydrometer Reading 2 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	35.8	51.4	47.8	18.3	56.2	64.8	66.7	61.2	71.7	56.9	70.3	54.3	72.5	50.6	54.7	67.2	57.7	65.0	66.9	66.8	71.1	56.6
Hydrometer Reading 3 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	27.7	41.1	28.4	16.2	41.9	31.2	42.0	28.8	38.6	30.5	41.2	28.5	30.3	42.1	31.1	33.1	42.0	34.7	47.8	50.8	61.1	28.0
Hydrometer Reading 4 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	22.5	33.4	20.7	12.7	33.0	19.0	32.7	22.3	27.6	20.6	25.0	24.4	26.4	33.6	24.6	25.6	32.0	22.1	35.6	42.8	51.1	21.8
Hydrometer Reading 5 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	18.4	27.0	19.4	11.3	27.7	16.0	26.5	19.1	23.2	19.0	20.2	20.3	22.6	30.8	21.9	21.8	27.8	17.0	30.4	36.9	43.1	19.3
Hydrometer Reading 6 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	14.9	21.2	14.8	9.5	21.1	15.0	24.2	17.8	19.5	14.6	19.1	18.3	17.3	22.7	19.7	20.5	22.5	14.9	24.0	27.6	35.7	17.2
Hydrometer Reading 7 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	11.8	17.3	13.6	8.1	15.8	10.4	19.6	14.6	15.1	12.9	14.3	15.6	15.4	17.0	14.4	16.7	15.4	12.4	18.8	21.6	25.7	13.5





# ACT ENGINEERS, INC.

NJDEP Residential  
Soil Remediation  
Standards Direct  
Contact

Analyte	CAS Number	Units	Specific Method	Reports To	Basis	WV-1	WV-2	WV-3	COMP-WV-A	WV-4	WV-5	WV-6	COMP-WV-B	WV-7	WV-8	WV-9	COMP-WV-C	WV-10	WV-11	WV-12	COMP-WV-D
						180-61161-37 11/19/2016 11:00 AM	180-61161-38 11/19/2016 11:15 AM	180-61161-39 11/19/2016 11:30 AM	180-61161-40 11/19/2016 12:00 PM	180-60516-20 11/3/2016 10:00 AM	180-60516-21 11/3/2016 10:15 AM	180-60516-22 11/3/2016 10:45 AM	180-60516-23 11/3/2016 11:00 AM	180-60516-24 11/3/2016 1:00 PM	180-60515-25 11/3/2016 1:15 PM	180-60516-26 11/3/2016 1:30 PM	180-60515-27 11/3/2016 2:00 PM	180-61161-33 11/19/2016 9:30 AM	180-61161-34 11/19/2016 10:00 AM	180-61161-35 11/19/2016 10:15 AM	180-61161-36 11/19/2016 10:30 AM
Percent Moisture	N/A	%	Percent Moisture	MRL	Total	59.9	67.1	65.3	64.5	69.1	54.1	68.6	69.5	56.5	65.2	67.4	66.6	65.4	61.9	49.6	61.0
Clay	N/A	%	Grain Size	MRL	Total	34.7	26.5	29.8	28.0	33.7	32.1	26.4	26.2	38.0	41.2	38.5	33.6	25.7	25.6	25.2	30.4
Silt	N/A	%	Grain Size	MRL	Total	54.4	68.9	66.4	66.6	50.7	49.8	56.2	57.8	50.1	56.9	59.1	63.7	67.8	66.3	42.2	57.0
Fine Sand	N/A	%	Grain Size	MRL	Total	8.3	2.8	2.0	3.0	14.2	14.9	10.5	13.2	2.9	1.1	1.2	1.3	2.8	3.7	30.2	9.5
Medium Sand	N/A	%	Grain Size	MRL	Total	2.6	1.8	1.8	2.4	1.1	2.4	3.2	1.9	4.7	0.8	1.2	1.4	3.4	4.4	2.4	3.1
Coarse Sand	N/A	%	Grain Size	MRL	Total	0.0	0.0	0.0	0.0	0.3	0.8	3.7	0.9	0.2	0.0	0.0	0.0	0.3	0.0	0.0	0.0
Sand	N/A	%	Grain Size	MRL	Total	10.9	4.6	3.8	5.4	15.6	18.1	17.4	16.0	7.8	1.9	2.4	2.7	6.5	8.1	32.6	12.6
Gravel	N/A	%	Grain Size	MRL	Total	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sieve Size 3 inch - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Sieve Size 2 inch - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Sieve Size 1.5 inch - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Sieve Size 1 inch - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Sieve Size 0.75 inch - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Sieve Size 0.375 inch - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Sieve Size #4 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	95.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Sieve Size #10 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	100.0	100.0	100.0	100.0	99.7	99.2	96.3	99.1	95.7	100.0	100.0	100.0	99.7	100.0	100.0	100.0
Sieve Size #20 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	98.6	99.0	99.0	98.6	99.3	97.7	94.3	97.8	92.1	99.6	99.5	99.0	97.2	97.2	98.6	98.3
Sieve Size #40 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	97.4	98.2	98.2	97.6	98.6	96.8	93.1	97.2	91.0	99.2	98.8	98.6	96.3	95.6	97.6	96.9
Sieve Size #60 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	96.1	97.5	97.7	96.9	95.5	93.4	89.7	94.5	90.3	98.9	98.3	95.5	98.3	94.5	95.8	95.6
Sieve Size #80 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	95.2	97.2	97.3	96.5	91.8	89.4	86.0	91.2	90.1	98.8	98.3	98.2	95.1	94.0	94.5	94.8
Sieve Size #100 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	94.5	96.9	97.0	96.2	90.4	87.8	84.8	89.7	89.8	98.7	98.2	98.0	94.9	93.7	92.1	94.1
Sieve Size #200 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	89.1	95.4	96.2	94.6	84.4	81.9	82.6	84.0	88.1	98.1	97.6	97.3	93.5	91.9	67.4	87.4
Hydrometer Reading 1 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	83.2	88.7	93.4	93.1	73.6	66.1	70.1	77.4	66.9	86.1	86.0	84.8	84.2	78.3	43.7	80.1
Hydrometer Reading 2 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	63.8	74.1	76.1	73.2	69.1	56.4	54.7	68.1	59.7	77.2	77.6	72.6	70.0	61.8	38.8	72.8
Hydrometer Reading 3 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	52.5	41.2	45.3	40.7	55.9	46.7	44.4	42.5	52.5	59.2	55.3	53.1	34.6	38.7	33.9	50.6
Hydrometer Reading 4 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	44.4	32.0	33.7	31.7	44.8	37.0	36.7	30.8	47.6	47.2	44.1	43.3	27.5	32.2	28.9	39.6
Hydrometer Reading 5 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	34.7	26.5	29.8	28.0	33.7	32.1	26.4	26.2	38.0	41.2	38.5	33.6	25.7	25.6	25.2	30.4
Hydrometer Reading 6 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	28.3	21.0	22.1	24.4	25.4	23.0	19.3	19.8	27.1	27.7	28.7	27.5	20.4	19.0	19.1	24.9
Hydrometer Reading 7 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	18.2	16.9	17.8	16.7	16.0	12.7	13.5	14.5	22.3	21.7	23.1	22.6	12.9	13.6	11.4	17.0





NJDEP Residential Soil Remediation Standards Direct Contact

						ICWW-1	ICWW-2	COMP-ICWW-A	ICWW-3	ICWW-4	COMP-ICWW-B	ICWW-5	ICWW-6	COMP-ICWW-C
						180-61036-8 11/18/2016	180-61036-7 11/18/2016	180-61036-9 11/18/2016	180-61036-5 11/18/2016	180-61036-4 11/18/2016	180-61036-6 11/18/2016	180-61036-2 11/18/2016	180-61036-1 11/18/2016	180-61036-3 11/18/2016
Analyte	CAS Number	Units	Specific Method	Reports To	Basis	1:30 PM	1:00 PM	2:00 PM	11:15 AM	11:00 AM	11:45 AM	9:45 AM	9:30 AM	10:15 AM
Percent Moisture	N/A	%	Percent Moisture	MRL	Total	65.3	61.2	64.4	60.4	56.2	62.1	58.4	53.2	57.4
Clay	N/A	%	Grain Size	MRL	Total	16.8	22.9	16.0	16.8	16.7	11.5	19.3	9.2	14.5
Silt	N/A	%	Grain Size	MRL	Total	76.3	65.2	77.3	66.0	57.6	71.0	59.7	53.3	58.4
Gravel	N/A	%	Grain Size	MRL	Total	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sand	N/A	%	Grain Size	MRL	Total	6.9	11.9	6.7	17.2	25.7	17.5	21.0	37.5	27.1
Fine Sand	N/A	%	Grain Size	MRL	Total	4.5	8.5	3.2	10.8	19.2	11.2	16.5	30.7	22.0
Medium Sand	N/A	%	Grain Size	MRL	Total	2.4	3.4	3.5	6.4	6.5	5.5	4.1	6.2	4.5
Coarse Sand	N/A	%	Grain Size	MRL	Total	0.0	0.0	0.0	0.0	0.0	0.8	0.4	0.6	0.6
Sieve Size 3 inch - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Sieve Size 2 inch - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Sieve Size 1.5 inch - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Sieve Size 1 inch - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Sieve Size 0.75 inch - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Sieve Size 0.375 inch - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Sieve Size #4 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Sieve Size #10 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	100.0	100.0	100.0	100.0	100.0	99.2	99.6	99.4	99.4
Sieve Size #20 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	98.2	98.7	97.1	95.6	95.2	95.2	96.7	95.8	96.0
Sieve Size #40 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	97.6	96.6	96.5	93.6	93.5	93.7	95.5	93.2	94.9
Sieve Size #60 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	96.9	94.5	95.9	91.3	91.3	91.9	93.9	87.2	93.4
Sieve Size #80 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	96.6	92.4	95.6	89.0	88.9	90.0	92.0	84.9	91.6
Sieve Size #100 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	96.3	91.6	95.4	88.2	87.7	89.1	90.9	82.5	90.1
Sieve Size #200 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	93.1	88.1	93.3	82.8	74.3	82.5	79.0	62.5	72.9
Hydrometer Reading 1 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	77.8	76.4	81.7	73.9	66.1	64.8	68.8	59.4	62.4
Hydrometer Reading 2 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	66.7	62.2	71.2	58.7	53.8	50.5	58.4	47.7	55.0
Hydrometer Reading 3 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	25.2	37.2	33.1	26.3	26.0	16.7	32.3	29.0	25.6
Hydrometer Reading 4 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	19.6	26.5	18.6	18.7	19.8	14.1	21.9	10.3	15.8
Hydrometer Reading 5 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	16.8	22.9	16.0	16.8	16.7	11.5	19.3	9.2	14.5
Hydrometer Reading 6 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	14.1	19.0	13.4	14.6	14.9	10	16.5	9.0	13.1
Hydrometer Reading 7 - Percent Finer	N/A	% Passing	Grain Size	MRL	Total	12.7	13.7	12.0	8.9	10.3	7.4	12.6	6.6	9.4