

Palmer

Attention: Luke Howitt
PO #/Project: 2207801
Samples: 139

SRC Geoanalytical Laboratories
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Report No: G-2023-47

Date of Report: Mar 10, 2023

Particle Size Analysis
Pipette Method

Column Header Details

Sand by Sieve Size Analysis in wt % (Sand)

Silt by Pipette Method in wt % (Silt)

Clay by Pipette Method in wt % (Clay)

Sample Number	Sand wt %	Silt wt %	Clay wt %
SSC0219	25.2	45.4	29.4
AER22TS-2002(-2mm)	30.7	40.7	28.6
AER22TS-2003(-2mm)	15.0	83.4	1.6
AER22TS-2004(-2mm)	22.1	32.5	45.4
AER22TS-2006(-2mm)	18.6	31.0	50.4
AER22TS-2007(-2mm)	18.9	35.0	46.2
AER22TS-2008(-2mm)	18.4	34.5	47.1
AER22TS-2009(-2mm)	15.9	48.1	36.0
AER22TS-2010(-2mm)	24.8	73.2	2.0
AER22TS-2011(-2mm)	14.6	75.4	10.0
AER22TS-2012(-2mm)	1.2	56.6	42.2
AER22TS-2013(-2mm)	15.8	35.3	49.0
AER22TS-2014(-2mm)	11.6	45.9	42.4
AER22TS-2016(-2mm)	14.9	40.7	44.4
AER22TS-2017(-2mm)	29.3	39.7	31.0
AER22TS-2018(-2mm)	39.8	36.0	24.2
AER22TS-2019(-2mm)	23.8	32.2	44.0
AER22TS-2020(-2mm)	11.8	47.4	40.8
AER22TS-2022(-2mm)	24.4	43.0	32.6
AER22TS-2023(-2mm)	46.6	30.4	23.0
SSC0219	25.8	44.7	29.6
AER22TS-2024(-2mm)	49.8	27.2	23.0
AER22TS-2025(-2mm)	16.5	51.1	32.4
AER22TS-2026(-2mm)	34.5	32.8	32.7
AER22TS-2027(-2mm)	30.0	39.8	30.2
AER22TS-2028(-2mm)	44.2	34.9	20.9
AER22TS-2030(-2mm)	35.3	33.8	30.9
AER22TS-2031(-2mm)	37.3	38.2	24.5
AER22TS-2032(-2mm)	38.8	35.4	25.8
AER22TS-2033(-2mm)	45.6	33.8	20.6
AER22TS-2035(-2mm)	27.7	52.9	19.4
AER22TS-2036(-2mm)	40.9	36.0	23.2
AER22TS-2037(-2mm)	37.9	35.6	26.5
AER22TS-2038(-2mm)	33.0	36.7	30.3
AER22TS-2039(-2mm)	46.3	34.5	19.2

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AER22TS-2040(-2mm)	58.5	29.4	12.1
AER22TS-2042(-2mm)	33.2	47.6	19.2
AER22TS-2043(-2mm)	31.8	45.6	22.6
AER22TS-2044(-2mm)	20.3	65.2	14.5
AER22TS-2040(-2MM) R	58.0	29.4	12.6
SSC0219	25.8	44.7	29.4
AER22TS-2045(-2mm)	0.1	80.1	19.8
AER22TS-2046(-2mm)	27.6	58.6	13.8
AER22TS-2047(-2mm)	65.0	17.4	17.6
AER22TS-2048(-2mm)	41.0	41.1	17.8
AER22TS-2049(-2mm)	31.7	40.6	27.7
AER22TS-2050(-2mm)	5.1	85.1	9.8
AER22TS-2051(-2mm)	27.3	37.7	35.0
AER22TS-2052(-2mm)	27.9	39.5	32.6
AER22TS-2054(-2mm)	30.0	36.7	33.3
AER22TS-2056(-2mm)	41.5	36.1	22.4
AER22TS-2057(-2mm)	45.4	37.0	17.6
AER22TS-2058(-2mm)	28.4	36.1	35.4
AER22TS-4001(-2mm)	24.2	38.8	37.0
AER22TS-4002(-2mm)	10.7	28.0	61.4
AER22TS-4003(-2mm)	14.1	30.9	55.0
AER22TS-4004(-2mm)	5.3	49.7	45.0
AER22TS-4005(-2mm)	<0.1	61.0	39.0
AER22TS-4006(-2mm)	4.2	52.5	43.4
AER22TS-4007(-2mm)	13.6	84.1	2.3
SSC0219	25.4	45.7	28.9
AER22TS-4008(-2mm)	20.1	33.5	46.4
AER22TS-4010(-2mm)	2.2	42.0	55.8
AER22TS-4011(-2mm)	16.5	77.2	6.3
AER22TS-4012(-2mm)	3.9	46.8	49.3
AER22TS-4013(-2mm)	23.0	35.1	42.0
AER22TS-4014(-2mm)	22.5	46.9	30.6
AER22TS-4017(-2mm)	23.4	43.9	32.6
AER22TS-4018(-2mm)	26.7	40.2	33.1
AER22TS-4019(-2mm)	1.9	59.3	38.8
AER22TS-4020(-2mm)	9.6	56.0	34.4
AER22TS-4022(-2mm)	0.1	44.9	55.0
AER22TS-4023(-2mm)	26.5	48.9	24.6
AER22TS-4024(-2mm)	27.9	36.6	35.5
AER22TS-4025(-2mm)	9.3	85.4	5.2

Particle Size Analysis
 Pipette Method

Sample Number	Sand wt %	Silt wt %	Clay wt %
AER22TS-4026(-2mm)	24.6	44.3	31.0
AER22TS-4027(-2mm)	5.0	22.9	72.0
AER22TS-4028(-2mm)	12.1	49.2	38.7
AER22TS-4030(-2mm)	38.2	29.2	32.6
AER22TS-4027(-2MM) R	5.0	22.9	72.1
SSC0219	25.4	46.0	28.6
AER22TS-4031(-2mm)	26.9	36.5	36.6
AER22TS-4032(-2mm)	32.8	38.5	28.6
AER22TS-4033(-2mm)	36.8	40.7	22.5
AER22TS-4035(-2mm)	41.3	39.7	19.0
AER22TS-4036(-2mm)	47.9	34.2	17.9
AER22TS-4037(-2mm)	44.2	34.3	21.5
AER22TS-4038(-2mm)	69.6	22.8	7.6
AER22TS-4039(-2mm)	50.6	34.1	15.4
AER22TS-4040(-2mm)	59.5	30.2	10.2
AER22TS-4042(-2mm)	69.8	22.4	7.8
AER22TS-4043(-2mm)	53.4	31.6	15.0
AER22TS-4044(-2mm)	23.5	45.6	30.9
AER22TS-4045(-2mm)	14.8	48.9	36.2
AER22TS-4046(-2mm)	44.3	35.4	20.3
AER22TS-4047(-2mm)	37.0	41.6	21.4
AER22TS-4048(-2mm)	59.4	33.6	7.0
AER22TS-4049(-2mm)	57.4	29.6	13.0
AER22TS-4050(-2mm)	74.3	20.8	4.9
AER22TS-4051(-2mm)	33.6	42.2	24.2
SSC0219	25.4	45.8	28.8
AER22TS-4052(-2mm)	45.6	35.0	19.4
AER22TS-4054(-2mm)	41.3	37.5	21.2
AER22TS-4056(-2mm)	65.1	26.0	8.9
AER22TS-4057(-2mm)	50.6	31.3	18.0
AER22TS-4058(-2mm)	41.8	35.5	22.6
AER22TS-4059(-2mm)	46.3	33.4	20.3
AER22TS-4060(-2mm)	40.8	42.0	17.2
AER22TS-4062(-2mm)	46.7	33.3	20.0
AER22TS-4063(-2mm)	46.2	42.0	11.8
AER22TS-4064(-2mm)	34.5	37.7	27.8
AER22TS-4065(-2mm)	39.9	57.6	2.4
AER22TS-4067(-2mm)	44.0	32.6	23.4
AER22TS-4068(-2mm)	49.9	31.3	18.8
AER22TS-4070(-2mm)	32.8	38.1	29.1

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AER22TS-4071(-2mm)	35.8	36.2	28.0
AER22TS-4072(-2mm)	32.1	40.3	27.6
AER22TS-4073(-2mm)	36.2	38.3	25.6
AER22TS-4074(-2mm)	36.5	37.0	26.6
AER22TS-4073(-2MM) R	36.4	38.7	24.9
SSC0219	25.8	45.1	29.1
AER22TS-4075(-2mm)	28.1	45.4	26.4
AER22TS-4076(-2mm)	41.1	29.8	29.0
AER22TS-4077(-2mm)	39.2	41.0	19.8
AER22TS-4078(-2mm)	41.4	31.5	27.2
AER22TS-4079(-2mm)	36.2	32.8	31.0
AER22TS-4080(-2mm)	39.5	34.2	26.4
AER22TS-4082(-2mm)	61.8	18.5	19.8
AER22TS-4083(-2mm)	54.3	26.9	18.8
AER22TS-4084(-2mm)	48.4	28.6	23.0
AER22TS-4085(-2mm)	25.1	37.6	37.3
AER22TS-4086(-2mm)	16.6	47.8	35.7
AER22TS-4087(-2mm)	26.7	37.5	35.8
AER22TS-4088(-2mm)	45.0	33.9	21.0
AER22TS-4089(-2mm)	32.6	38.4	29.0
AER22TS-4090(-2mm)	44.0	29.9	26.2
AER22TS-4091(-2mm)	13.8	50.4	35.8
AER22TS-4092(-2mm)	40.6	34.0	25.4
AER22TS-4092(-2mm) R	40.6	33.5	25.8

Sand: determined by sieve analysis.

Silt and Clay: determined by Pipette Method.

The standard is SSC0219.