

Palmer

Attention: Luke Howitt
PO #/Project: 2207801
Samples: 112

SRC Geoanalytical Laboratories

2901 Cleveland Avenue, Saskatoon, Saskatchewan, S7K 8A9
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Report No: G-2023-46

Date of Report: Feb 28, 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)

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Particle Size Analysis
Pipette Method

Sample Number	Sand wt %	Silt wt %	Clay wt %
SSC0219	25.7	44.9	29.4
AER22TS-3007(-2 mm)	29.1	43.2	27.6
AER22TS-3009(-2 mm)	10.2	58.8	31.0
AER22TS-3010(-2 mm)	10.7	65.3	24.0
AER22TS-3011(-2 mm)	37.9	42.2	20.0
AER22TS-3012(-2 mm)	30.8	52.4	16.8
AER22TS-3013(-2 mm)	57.4	32.8	9.8
AER22TS-3014(-2 mm)	55.5	33.2	11.2
AER22TS-3016(-2 mm)	23.5	62.9	13.6
AER22TS-3017(-2 mm)	23.9	53.5	22.6
AER22TS-3018(-2 mm)	18.0	61.1	20.9
AER22TS-3019(-2 mm)	43.1	43.0	13.9
AER22TS-3020(-2 mm)	12.0	64.0	24.0
AER22TS-3022(-2 mm)	16.5	51.1	32.4
AER22TS-3023(-2 mm)	23.6	51.7	24.8
AER22TS-3024(-2 mm)	18.1	55.0	26.9
AER22TS-3025(-2 mm)	5.8	71.0	23.2
AER22TS-3026(-2 mm)	39.9	42.9	17.2
AER22TS-3027(-2 mm)	16.8	57.9	25.3
AER22TS-3028(-2 mm)	2.0	74.4	23.6
SSC0219	25.2	46.0	28.8
AER22TS-3029(-2 mm)	6.7	55.8	37.5
AER22TS-3030(-2 mm)	23.5	48.8	27.7
AER22TS-3031(-2 mm)	6.3	75.4	18.2
AER22TS-3032(-2 mm)	0.6	42.8	56.6
AER22TS-3033(-2 mm)	35.5	46.6	17.9
AER22TS-3035(-2 mm)	22.8	49.5	27.7
AER22TS-3036(-2 mm)	17.6	53.0	29.4
AER22TS-3038(-2 mm)	11.7	56.4	31.8
AER22TS-3039(-2 mm)	41.6	37.2	21.2
AER22TS-3040(-2 mm)	25.0	55.3	19.8
AER22TS-3042(-2 mm)	13.0	50.9	36.1
AER22TS-3043(-2 mm)	18.4	57.4	24.2
AER22TS-3044(-2 mm)	51.7	40.1	8.2
AER22TS-3045(-2 mm)	20.6	64.0	15.4
AER22TS-3046(-2 mm)	27.8	52.5	19.8
AER22TS-3047(-2 mm)	38.6	41.1	20.3
AER22TS-3048(-2 mm)	38.9	37.7	23.4
AER22TS-3049(-2 mm)	46.8	36.8	16.4
AER22TS-3047(-2 MM)	38.2	41.1	20.8

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Particle Size Analysis
Pipette Method

Sample Number	Sand wt %	Silt wt %	Clay wt %
SSC0219	25.8	44.5	29.7
AER22TS-3050(-2 mm)	0.5	78.5	21.0
AER22TS-3051(-2 mm)	59.2	28.9	11.8
AER22TS-3052(-2 mm)	67.0	26.3	6.6
AER22TS-3053(-2 mm)	71.7	20.2	8.0
AER22TS-3054(-2 mm)	30.8	49.3	19.8
AER22TS-3057(-2 mm)	25.5	55.4	19.0
AER22TS-3058(-2 mm)	30.6	48.7	20.6
AER22TS-3059(-2 mm)	36.0	44.7	19.2
AER22TS-3060(-2 mm)	22.6	52.8	24.6
AER22TS-3062(-2 mm)	25.8	42.2	32.0
AER22TS-3063(-2 mm)	6.0	51.1	43.0
AER22TS-3064(-2 mm)	22.3	50.6	27.2
AER22TS-3065(-2 mm)	8.8	74.6	16.6
AER22TS-3066(-2 mm)	16.5	52.7	30.8
AER22TS-3067(-2 mm)	20.0	47.1	33.0
AER22TS-3068(-2 mm)	3.1	74.8	22.1
AER22TS-3069(-2 mm)	73.7	17.2	9.1
AER22TS-3071(-2 mm)	48.4	40.2	11.5
AER22TS-3072(-2 mm)	21.9	50.6	27.5
SSC0219	25.6	44.8	29.6
AER22TS-3073(-2 mm)	32.1	49.4	18.6
AER22TS-3075(-2 mm)	26.0	46.2	27.8
AER22TS-3076(-2 mm)	12.8	50.7	36.5
AER22TS-3077(-2 mm)	14.5	46.9	38.6
AER22TS-3078(-2 mm)	21.6	35.4	43.0
AER22TS-3079(-2 mm)	30.2	38.6	31.1
AER22TS-3080(-2 mm)	29.5	55.2	15.3
AER22TS-3082(-2 mm)	52.6	37.6	9.8
AER22TS-3083(-2 mm)	31.7	37.5	30.8
AER22TS-3084(-2 mm)	36.7	33.7	29.6
AER22TS-3085(-2 mm)	57.3	29.3	13.4
AER22TS-3086(-2 mm)	34.1	48.5	17.4
AER22TS-3087(-2 mm)	28.7	46.0	25.3
AER22TS-3088(-2 mm)	17.9	55.8	26.4
AER22TS-3089(-2 mm)	65.2	22.2	12.6
AER22TS-3090(-2 mm)	32.9	36.8	30.3
AER22TS-3092(-2 mm)	22.4	46.9	30.6
AER22TS-3094(-2 mm)	70.3	17.3	12.4

Particle Size Analysis			
Pipette Method			
Sample Number	Sand wt %	Silt wt %	Clay wt %
AER22TS-3094(-2 MM) R	69.8	17.7	12.6
SSC0219	25.3	45.4	29.4
AER22TS-3095(-2 mm)	46.4	36.6	17.0
AER22TS-3096(-2 mm)	23.2	58.2	18.6
AER22TS-3097(-2 mm)	21.2	40.1	38.6
AER22TS-3098(-2 mm)	24.3	40.1	35.6
AER22TS-3099(-2 mm)	47.1	32.6	20.4
AER22TS-3100(-2 mm)	19.2	52.0	28.8
AER22TS-3102(-2 mm)	52.8	34.7	12.4
AER22TS-3103(-2 mm)	21.8	49.1	29.0
AER22TS-3104(-2 mm)	48.6	34.1	17.2
AER22TS-3105(-2 mm)	26.0	58.0	16.1
AER22TS-3106(-2 mm)	18.1	62.9	19.0
AER22TS-3107(-2 mm)	0.6	60.1	39.3
AER22TS-3109(-2 mm)	41.8	47.1	11.0
AER22TS-3111(-2 mm)	27.7	43.9	28.4
AER22TS-3112(-2 mm)	0.1	57.7	42.2
AER22TS-3113(-2 mm)	58.1	30.9	11.0
AER22TS-3114(-2 mm)	40.6	40.4	19.0
AER22TS-3115(-2 mm)	16.1	71.9	12.0
AER22TS-4094(-2 mm)	51.1	29.5	19.4
SSC0219	25.7	45.8	28.6
AER22TS-4095(-2 mm)	28.7	41.1	30.2
AER22TS-4096(-2 mm)	34.9	38.4	26.7
AER22TS-4097(-2 mm)	34.6	42.6	22.8
AER22TS-4099(-2 mm)	40.4	34.4	25.2
AER22TS-4100(-2 mm)	40.0	37.0	23.0
AER22TS-4102(-2 mm)	53.6	27.7	18.7
AER22TS-4104(-2 mm)	49.3	33.0	17.7
AER22TS-4105(-2 mm)	56.5	26.3	17.2
AER22TS-4106(-2 mm)	48.5	31.2	20.3
AER22TS-4107(-2 mm)	25.2	41.7	33.1
AER22TS-4107(-2 mm) R	25.0	41.6	33.4

Sand: determined by sieve analysis.
 Silt and Clay: determined by Pipette Method.
 The standard is SSC0219.