Table 1 - Particle Size Results for Sediment Core ID BA1B
Pre-Design Investigation
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				BA1B01200901		BA1B01200903		BA1B01200905		BA1B01200907		BA1B01200909-11		BA1B01200913-15		BA1B01200917-19		BA1B01200921-23		BA1B01200925-27		BA1B01200929-31	
Depth interval				0-2 cm		2-4 cm		4-6 cm		6-8 cm		8-12 cm		12-16 cm		16-20 cm		20-24 cm		24-28 cm		28-32 cm	
Size classification	*Sieve number*	*Particle size* (mm)	*Phi interval*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*
Medium pebble	3/8	9.5	-3.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small pebble	4	4.75	-2.25	0	0	0	0	0	0	0	0	0	0	1.58	1.58	0	0	0	0	0	0	0	0
Gravel	10	2	-1	0	0	0.1	0.1	0.03	0.03	0	0	0.11	0.11	0.84	2.42	0.36	0.36	0.13	0.13	0.06	0.06	0.04	0.04
Very coarse sand	18	1	0	0.44	0.44	0.89	1	0.67	0.7	0.51	0.51	0.48	0.59	0.92	3.34	0.87	1.22	0.32	0.45	0.27	0.33	0.07	0.11
Coarse sand	35	0.5	1	2.86	3.3	5.37	6.36	5.75	6.45	3.58	4.09	2.89	3.48	2.43	5.77	2.14	3.36	1.17	1.62	1.05	1.38	0.22	0.32
Medium sand	60	0.25	2	1.47	4.77	2.5	8.86	3.47	9.92	2.17	6.26	1.37	4.85	1.05	6.81	0.99	4.36	0.55	2.17	0.45	1.83	0.17	0.5
Fine sand	120	0.125	3	4.33	9.1	4.68	13.54	4.89	14.8	3.93	10.19	3.95	8.8	2.33	9.15	2.44	6.8	1.62	3.79	1.38	3.2	0.93	1.42
Very fine sand	200	0.075	3.75	26.7	35.8	23.28	36.82	20.07	34.88	21.15	31.34	18.27	27.07	17.13	26.28	14.29	21.09	13.29	17.08	8.87	12.08	8.29	9.72
Very fine sand	230	0.0625	4	9.7	45.5	8.98	45.8	8.92	43.8	9.36	40.7	7.73	34.8	8.82	35.1	8.61	29.7	7.22	24.3	6.02	18.1	5.38	15.1
Coarse silt	Hydrometer	0.0312	5	32.3	77.8	30.7	76.5	31.6	75.4	33.2	73.9	29.6	64.4	32.3	67.4	32.2	61.9	27.7	52	23.1	41.2	20.6	35.7
Very fine silt	Hydrometer	0.0039	8	18.5	96.3	20.7	97.2	22.3	97.7	23.6	97.5	33.1	97.5	28.8	96.2	36.2	98.1	46.3	98.3	56.8	98	61.8	97.5
Clay	Hydrometer	<0.0039	--	3.7	100	2.8	100	2.3	100	2.5	100	2.5	100	3.8	100	1.9	100	1.7	100	2	100	2.5	100

Sample ID				BA1B01200933-35		BA1B01200937-39		BA1B01200941-43		BA1B01200945-47		BA1B01200949-51		BA1B01200953-55		BA1B01200957-59	
Depth interval				32-36 cm		36-40 cm		40-44 cm		44-48 cm		48-52 cm		52-56 cm		56-60 cm	
Size classification	*Sieve number*	*Particle size* (mm)	*Phi interval*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*
Medium pebble	3/8	9.5	-3.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small pebble	4	4.75	-2.25	0	0	0	0	0	0	0	0	0	0	0.84	0.84	0	0
Gravel	10	2	-1	0	0	0	0	0.04	0.04	0.02	0.02	0.03	0.03	0.04	0.88	0	0
Very coarse sand	18	1	0	0.06	0.06	0.05	0.05	0.03	0.06	0.11	0.12	0.07	0.09	0.08	0.96	0.08	0.08
Coarse sand	35	0.5	1	0.27	0.33	0.28	0.33	0.08	0.14	0.4	0.53	0.2	0.3	0.16	1.12	0.11	0.19
Medium sand	60	0.25	2	0.2	0.53	0.23	0.57	0.09	0.23	0.5	1.02	0.15	0.45	0.18	1.3	0.18	0.37
Fine sand	120	0.125	3	1.63	2.17	1.18	1.75	1.14	1.37	2.65	3.67	1.37	1.81	1.63	2.93	2.04	2.42
Very fine sand	200	0.075	3.75	11.24	13.41	8.22	9.97	8.39	9.75	14.25	17.92	9.74	11.55	10.26	13.18	13.18	15.59
Very fine sand	230	0.0625	4	5.59	19	5.63	15.6	5.75	15.5	6.58	24.5	6.15	17.7	6.82	20	6.21	21.8
Coarse silt	Hydrometer	0.0312	5	21.4	40.4	21.3	36.9	22.1	37.6	24.2	48.7	23.3	41	25.9	45.9	23.8	45.6
Very fine silt	Hydrometer	0.0039	8	57.6	98	60.3	97.2	57.4	95	46.6	95.3	54.7	95.7	50	95.9	51	96.6
Clay	Hydrometer	<0.0039	--	2	100	2.8	100	5	100	4.7	100	4.3	100	4.1	100	3.4	100

Notes
1. Grain size test method: ASTM D422, *Standard Test Method for Particle-Size Analysis of Soils*
2. Size classification is per the Wentworth Soil Classification System.

Table 2 - Particle Size Results for Sediment Core ID BA2B
Pre-Design Investigation
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				**BA2B01200901**		**BA2B01200903**		**BA2B01200905**		**BA2B01200907**		**BA2B01200909-11**	
Depth interval				**0-2 cm**		**2-4 cm**		**4-6 cm**		**6-8 cm**		**8-12 cm**	
Size classification	***Sieve number***	***Particle size*** **(mm)**	***Phi interval***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***
Medium pebble	3/8	9.5	-3.25	0	0	0	0	0	0	0	0	0	0
Small pebble	4	4.75	-2.25	0	0	0	0	0.36	0.36	0	0	0	0
Gravel	10	2	-1	0	0	0.02	0.02	0.13	0.49	0	0	0	0
Very coarse sand	18	1	0	0.07	0.07	0.04	0.07	0.09	0.58	0.2	0.2	0.2	0.2
Coarse sand	35	0.5	1	0.46	0.53	0.37	0.44	1.2	1.78	0.9	1.1	0.6	0.8
Medium sand	60	0.25	2	1.12	1.65	1.1	1.54	2.1	3.88	1.3	2.4	0.9	1.7
Fine sand	120	0.125	3	8.29	9.94	8.3	9.84	8.85	12.73	9.6	12	9.3	11
Very fine sand	200	0.075	3.75	23.96	33.9	27.94	37.79	26.46	39.19	19.57	31.57	18.5	29.5
Very fine sand	230	0.0625	4	8.7	42.6	8.81	46.6	8.41	47.6	8.83	40.4	10.1	39.6
Coarse silt	Hydrometer	0.0312	5	37.9	80.5	29.8	76.4	29	76.6	31.1	71.5	32.4	72
Very fine silt	Hydrometer	0.0039	8	11.3	91.8	20.1	96.5	20.2	96.8	17.7	89.2	22.5	94.5
Clay	Hydrometer	<0.0039	--	8.2	100	3.5	100	3.2	100	10.8	100	5.5	100

Notes
1. Grain size test method: ASTM D422, *Standard Test Method for Particle-Size Analysis of Soils*
2. Size classification is per the Wentworth Soil Classification System.

Table 3 - Particle Size Results for Sediment Core ID BA2BR
Pre-Design Investigation
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				BA2B03200901		BA2B03200903		BA2B03200905		BA2B03200907		BA2B03200909-11		BA2B03200913-15		BA2B03200917-19		BA2B03200921-23	
Depth interval				0-2 cm		2-4 cm		4-6 cm		6-8 cm		8-12 cm		12-16 cm		16-20 cm		20-24 cm	
Size classification	*Sieve number*	*Particle size* (mm)	*Phi interval*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*
Medium pebble	3/8	9.5	-3.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small pebble	4	4.75	-2.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel	10	2	-1	0	0	0.07	0.07	0	0	0.36	0.36	0.01	0.01	0	0	0.02	0.02	0.02	0.02
Very coarse sand	18	1	0	0.05	0.05	0.06	0.13	0.08	0.08	0.13	0.49	0.11	0.12	0.06	0.06	0.06	0.08	0.09	0.12
Coarse sand	35	0.5	1	0.23	0.28	0.3	0.43	0.34	0.42	0.66	1.15	0.21	0.33	0.24	0.29	0.21	0.29	0.43	0.54
Medium sand	60	0.25	2	0.99	1.27	1.33	1.76	1.7	2.12	2.2	3.35	0.44	0.78	0.47	0.76	0.38	0.67	0.54	1.09
Fine sand	120	0.125	3	6.54	7.8	6.68	8.44	6.93	9.05	6.98	10.32	4.8	5.57	4.54	5.31	4.03	4.7	4.63	5.72
Very fine sand	200	0.075	3.75	26.72	34.52	25.02	33.46	24.59	33.64	22.93	33.25	20.57	26.15	20.21	25.52	19.44	24.13	23.11	28.82
Very fine sand	230	0.0625	4	8.08	42.6	7.74	41.2	7.66	41.3	7.95	41.2	8.05	34.2	7.78	33.3	8.47	32.6	9.08	37.9
Coarse silt	Hydrometer	0.0312	5	27.4	70	27.6	68.8	27.1	68.4	28.9	70.1	30.2	64.4	29.5	62.8	31.5	64.1	32.5	70.4
Very fine silt	Hydrometer	0.0039	8	14.2	84.2	18.1	86.9	17.6	86	18.8	88.9	26.7	91.1	27.5	90.3	26.1	90.2	19.3	89.7
Clay	Hydrometer	<0.0039	--	15.8	100	13.1	100	14	100	11.1	100	8.9	100	9.7	100	9.8	100	10.3	100

Notes
1. Grain size test method: ASTM D422, *Standard Test Method for Particle-Size Analysis of Soils*
2. Size classification per ASTM D2487, *Unified Soil Classification System*

Table 4 - Particle Size Results for Sediment Core ID BA3B
Pre-Design Investigation
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				BA3B01200901		BA3B01200903		BA3B01200905		BA3B01200907		BA3B01200909-11		BA3B01200913-15		BA3B01200917-19		BA3B01200921	
Depth interval				0-2 cm		2-4 cm		4-6 cm		6-8 cm		8-12 cm		12-16 cm		16-20 cm		20-22 cm	
Size classification	*Sieve number*	*Particle size* (mm)	*Phi interval*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*
Medium pebble	3/8	9.5	-3.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small pebble	4	4.75	-2.25	0	0	0	0	0	0	0	0	0	0	0.25	0.25	0	0	0	0
Gravel	10	2	-1	0	0	0	0	0	0	0	0	0	0	0	0.25	0.06	0.06	0.03	0.03
Very coarse sand	18	1	0	0	0	0.04	0.04	0.12	0.12	0.13	0.13	0.1	0.1	0.15	0.4	0.19	0.25	0.15	0.18
Coarse sand	35	0.5	1	0.22	0.22	0.15	0.19	0.2	0.32	0.3	0.43	0.34	0.45	0.2	0.6	0.3	0.55	0.37	0.55
Medium sand	60	0.25	2	0.37	0.6	0.43	0.62	1.85	2.17	4.15	4.57	0.27	0.72	0.22	0.82	0.19	0.75	0.32	0.88
Fine sand	120	0.125	3	2.94	3.53	3.37	4	6.29	8.47	5.92	10.5	1.5	2.21	3.88	4.7	1.09	1.84	2.14	3.02
Very fine sand	200	0.075	3.75	15.7	19.23	18.25	22.24	14.39	22.86	16.72	27.21	12.49	14.7	9.34	14.04	10.06	11.9	14.35	17.37
Very fine sand	230	0.0625	4	11.57	30.8	12.16	34.4	11.14	34	11.89	39.1	4.9	19.6	11.36	25.4	4.1	16	12.03	29.4
Coarse silt	Hydrometer	0.0312	5	40.1	70.9	41.4	75.8	38.2	72.2	39	78.1	49.5	69.1	39.8	65.2	49.4	65.4	42.2	71.6
Very fine silt	Hydrometer	0.0039	8	26.5	97.4	21.5	97.3	24.9	97.1	19.4	97.5	23.6	92.7	27.9	93.1	27.7	93.1	25.8	97.4
Clay	Hydrometer	<0.0039	--	2.6	100	2.7	100	2.9	100	2.5	100	7.3	100	6.9	100	6.9	100	2.6	100

Notes
1. Grain size test method: ASTM D422, *Standard Test Method for Particle-Size Analysis of Soils*
2. Size classification is per the Wentworth Soil Classification System.

Table 5 - Particle Size Results for Sediment Core ID BA4B
Pre-Design Investigation
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				BA4B01200901		BA4B01200903		BA4B01200905		BA4B01200907		BA4B01200909-11		BA4B01200913-15		BA4B01200917-19		BA4B01200921-23		BA4B01200925-27	
Depth interval				0-2 cm		2-4 cm		4-6 cm		6-8 cm		8-12 cm		12-16 cm		16-20 cm		20-24 cm		24-28 cm	
Size classification	*Sieve number*	*Particle size* (mm)	*Phi interval*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*
Medium pebble	3/8	9.5	-3.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small pebble	4	4.75	-2.25	0	0	0	0	0.18	0.18	0.26	0.26	0	0	0	0	0	0	0.24	0.24	0	0
Gravel	10	2	-1	0	0	0.09	0.09	0	0.18	0.09	0.35	0.35	0.35	0.19	0.19	0.36	0.36	0.38	0.62	0	0
Very coarse sand	18	1	0	0.07	0.07	0	0.09	0.09	0.27	0.26	0.61	0.47	0.83	0.25	0.44	0.27	0.63	0.1	0.72	0	0
Coarse sand	35	0.5	1	0.03	0.1	0.09	0.18	0.18	0.45	0.2	0.81	0.33	1.16	0.25	0.7	0.21	0.83	0.06	0.77	0.04	0.04
Medium sand	60	0.25	2	1.31	1.41	1.62	1.8	5.78	6.23	10.46	11.27	0.8	1.96	0.8	1.5	0.44	1.27	0.1	0.87	0.04	0.09
Fine sand	120	0.125	3	3.89	5.29	5.09	6.89	12.9	19.13	15.72	26.99	3.09	5.05	2.09	3.58	0.97	2.24	0.45	1.32	0.41	0.5
Very fine sand	200	0.075	3.75	8.21	13.5	7.64	14.53	6.17	25.3	5.72	32.71	3.38	8.43	3.96	7.54	5.87	8.11	5.69	7.01	5.59	6.09
Very fine sand	230	0.0625	4	11.3	24.8	9.77	24.3	7.3	32.6	6.19	38.9	7.47	15.9	10.86	18.4	10.29	18.4	10.19	17.2	10.31	16.4
Coarse silt	Hydrometer	0.0312	5	40.7	65.5	35.8	60.1	28.2	60.8	24.6	63.5	36.5	52.4	43.1	61.5	37.7	56.1	37.8	55	37.7	54.1
Very fine silt	Hydrometer	0.0039	8	27.5	93	33.6	93.7	34.5	95.3	31.6	95.1	36.4	88.8	27.5	89	35.8	91.9	39.7	94.7	41.2	95.3
Clay	Hydrometer	<0.0039	--	7	100	6.3	100	4.7	100	4.9	100	11.2	100	11	100	8.1	100	5.3	100	4.7	100

Sample ID				BA4B01200929-31		BA4B01200933-35		BA4B01200937-39		BA4B01200941-43		BA4B01200945-47		BA4B01200949-51	
Depth interval				28-32 cm		32-36 cm		36-40 cm		40-44 cm		44-48 cm		48-52 cm	
Size classification	*Sieve number*	*Particle size* (mm)	*Phi interval*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*
Medium pebble	3/8	9.5	-3.25	0	0	0	0	0	0	0	0	0	0	0	0
Small pebble	4	4.75	-2.25	0	0	0	0	0	0	0	0	0	0	0	0
Gravel	10	2	-1	0.01	0.01	0.01	0.01	0.08	0.08	0	0	0.04	0.04	0.03	0.03
Very coarse sand	18	1	0	0.01	0.03	0.01	0.03	0.01	0.1	0	0	0.03	0.07	0.06	0.08
Coarse sand	35	0.5	1	0.04	0.07	0.01	0.04	0.06	0.15	0.07	0.07	0.08	0.15	0.08	0.17
Medium sand	60	0.25	2	0.04	0.12	0.1	0.14	0.14	0.3	0.05	0.12	0.14	0.29	0.1	0.27
Fine sand	120	0.125	3	0.32	0.43	0.41	0.55	0.52	0.82	0.45	0.57	0.38	0.67	0.46	0.73
Very fine sand	200	0.075	3.75	5.3	5.73	5.63	6.19	8.58	9.39	8.93	9.5	9.53	10.2	9.26	9.99
Very fine sand	230	0.0625	4	8.67	14.4	8.61	14.8	13.21	22.6	3.8	13.3	17	27.2	15.41	25.4
Coarse silt	Hydrometer	0.0312	5	32.4	46.8	32.5	47.3	44.9	67.5	57.5	70.8	51.6	78.8	50.1	75.5
Very fine silt	Hydrometer	0.0039	8	48.3	95.1	47.5	94.8	27.2	94.7	24.9	95.7	16.9	95.7	19.9	95.4
Clay	Hydrometer	<0.0039	--	4.9	100	5.2	100	5.3	100	4.3	100	4.3	100	4.6	100

Notes
1. Grain size test method: ASTM D422, *Standard Test Method for Particle-Size Analysis of Soils*
2. Size classification is per the Wentworth Soil Classification System.

Table 6 - Particle Size Results for Sediment Core ID BA5B
Pre-Design Investigation
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				BA5B01200901		BA5B01200903		BA5B01200905		BA5B01200907		BA5B01200909-11		BA5B01200913-15		BA5B01200917-19		BA5B01200921-23		BA5B01200925-27	
Depth interval				0-2 cm		2-4 cm		4-6 cm		6-8 cm		8-12 cm		12-16 cm		16-20 cm		20-24 cm		24-28 cm	
Size classification	*Sieve number*	*Particle size* (mm)	*Phi interval*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*
Medium pebble	3/8	9.5	-3.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small pebble	4	4.75	-2.25	0	0	0	0	0	0	0	0	0.6	0.6	0	0	0	0	0	0	0	0
Gravel	10	2	-1	0	0	0.03	0.03	0	0	0	0	0.29	0.89	0.12	0.12	0	0	0.29	0.29	0.05	0.05
Very coarse sand	18	1	0	0.08	0.08	0.03	0.06	0.48	0.48	0.22	0.22	0.09	0.98	0.12	0.23	0.11	0.11	0	0.29	0.04	0.09
Coarse sand	35	0.5	1	0.17	0.25	0.12	0.18	1.58	2.06	0.58	0.81	0.38	1.36	0.26	0.5	0.19	0.3	0.02	0.31	0.09	0.17
Medium sand	60	0.25	2	2.57	2.82	4.07	4.25	13.91	15.97	14.42	15.23	0.69	2.05	0.76	1.25	0.34	0.64	0.19	0.49	0.2	0.37
Fine sand	120	0.125	3	6.93	9.75	6.98	11.23	11.62	27.59	11.25	26.48	3.04	5.09	3.21	4.46	1.39	2.03	0.68	1.17	0.61	0.98
Very fine sand	200	0.075	3.75	11.66	21.41	9.7	20.94	8.88	36.46	8.53	35.01	5.36	10.45	3.85	8.32	4.64	6.67	5.76	6.93	6.86	7.84
Very fine sand	230	0.0625	4	5.39	26.8	6.96	27.9	3.34	39.8	5.49	40.5	6.55	17	10.58	18.9	6.93	13.6	8.27	15.2	6.96	14.8
Coarse silt	Hydrometer	0.0312	5	22.3	49.1	26.5	54.4	15.7	55.5	21.3	61.8	30.6	47.6	33.2	52.1	35.2	48.8	34.1	49.3	26.5	41.3
Very fine silt	Hydrometer	0.0039	8	23.8	72.9	24.5	78.9	20.6	76.1	18.5	80.3	34.9	82.5	18.4	70.5	32.1	80.9	36.4	85.7	48.7	90
Clay	Hydrometer	<0.0039	--	27.1	100	21.1	100	23.9	100	19.7	100	17.5	100	29.5	100	19.1	100	14.3	100	10	100

Sample ID				BA5B01200929-31		BA5B01200933-35		BA5B01200937-39		BA5B01200941-43		BA5B01200945-47		BA5B01200949-51		BA5B01200953-55		BA5B01200957-59		BA5B01200961-63	
Depth interval				28-32 cm		32-36 cm		36-40 cm		40-44 cm		44-48 cm		48-52 cm		52-56 cm		56-60 cm		60-64 cm	
Size classification	*Sieve number*	*Particle size* (mm)	*Phi interval*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*
Medium pebble	3/8	9.5	-3.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small pebble	4	4.75	-2.25	0	0	0	0	0	0	0	0	0.13	0.13	0	0	0	0	0	0	0	0
Gravel	10	2	-1	0.04	0.04	0.28	0.28	0	0	0.02	0.02	0	0.13	0.02	0.02	0	0	0.04	0.04	0.06	0.06
Very coarse sand	18	1	0	0.01	0.05	0.03	0.31	0.05	0.05	0.01	0.04	0.03	0.16	0.06	0.08	0.01	0.01	0	0.04	0.03	0.09
Coarse sand	35	0.5	1	0.04	0.09	0.03	0.33	0.01	0.06	0.04	0.07	0.05	0.21	0.11	0.19	0.03	0.04	0.05	0.08	0.08	0.17
Medium sand	60	0.25	2	0.08	0.17	0.11	0.44	0.11	0.17	0.11	0.18	0.15	0.36	0.62	0.81	0.09	0.13	0.07	0.15	0.1	0.26
Fine sand	120	0.125	3	0.52	0.69	0.43	0.88	0.39	0.56	0.47	0.65	0.59	0.96	5.06	5.87	0.51	0.64	0.63	0.78	0.56	0.82
Very fine sand	200	0.075	3.75	6.31	7	5.79	6.67	5.88	6.44	6.04	6.69	10.2	11.15	7.77	13.64	12.45	13.1	12.78	13.56	11.86	12.69
Very fine sand	230	0.0625	4	6	13	5.83	12.5	5.16	11.6	5.61	12.3	7.05	18.2	10.16	23.8	11.9	25	11.94	25.5	11.41	24.1
Coarse silt	Hydrometer	0.0312	5	22.9	35.9	22	34.5	19.5	31.1	21.4	33.7	27.1	45.3	37.8	61.6	43.2	68.2	42.2	67.7	42	66.1
Very fine silt	Hydrometer	0.0039	8	53.8	89.7	54.9	89.4	58.6	89.7	56.3	90	45.2	90.5	29.9	91.5	23.2	91.4	22.8	90.5	26	92.1
Clay	Hydrometer	<0.0039	--	10.3	100	10.6	100	10.3	100	10	100	9.5	100	8.5	100	8.6	100	9.5	100	7.9	100

Notes
1. Grain size test method: ASTM D422, *Standard Test Method for Particle-Size Analysis of Soils*
2. Size classification per ASTM D2487, *Unified Soil Classification System*

Table 7 - Particle Size Results for Sediment Core ID BA5BR
Pre-Design Investigation
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				BA5B02200901		BA5B02200903		BA5B02200905		BA5B02200907		BA5B02200909-11		BA5B02200913-15		BA5B02200917-19		BA5B02200921-23		BA5B02200925-27	
Depth interval				0-2 cm		2-4 cm		4-6 cm		6-8 cm		8-12 cm		12-16 cm		16-20 cm		20-24 cm		24-28 cm	
Size classification	*Sieve number*	*Particle size* (mm)	*Phi interval*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*
Medium pebble	3/8	9.5	-3.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small pebble	4	4.75	-2.25	0	0	0	0	0	0	0	0	0.35	0.35	0	0	0	0	0	0	0	0
Gravel	10	2	-1	0	0	0.07	0.07	0	0	0	0	0.26	0.61	0	0	0.06	0.06	0.14	0.14	0.01	0.01
Very coarse sand	18	1	0	0.16	0.16	0.26	0.34	0.38	0.38	0.04	0.04	0.15	0.76	0.07	0.07	0.04	0.1	0.09	0.23	0.04	0.05
Coarse sand	35	0.5	1	0.51	0.67	1.46	1.8	1.4	1.78	0.25	0.29	0.61	1.37	0.34	0.41	0.14	0.25	0.12	0.36	0.08	0.13
Medium sand	60	0.25	2	3.1	3.77	7.48	9.28	9.2	10.98	13.34	13.63	0.87	2.25	0.96	1.38	0.21	0.45	0.19	0.54	0.1	0.23
Fine sand	120	0.125	3	6.2	9.97	8.68	17.96	9.71	20.69	14.39	28.02	2.51	4.75	2.15	3.53	0.93	1.38	0.68	1.22	0.49	0.72
Very fine sand	200	0.075	3.75	10.68	20.64	9.43	27.38	8.73	29.42	9.13	37.15	3.82	8.57	2.98	6.51	3.98	5.36	6.56	7.78	5.57	6.29
Very fine sand	230	0.0625	4	6.26	26.9	5.22	32.6	2.88	32.3	2.05	39.2	4.63	13.2	10.29	16.8	8.64	14	5.92	13.7	7.01	13.3
Coarse silt	Hydrometer	0.0312	5	22.7	49.6	19.7	52.3	14.2	46.5	12	51.2	27.9	41.1	37.9	54.7	37.4	51.4	22.8	36.5	26.7	40
Very fine silt	Hydrometer	0.0039	8	25.1	74.7	23	75.3	25.3	71.8	24.5	75.7	29.8	70.9	22.6	77.3	30.5	81.9	51.4	87.9	50.6	90.6
Clay	Hydrometer	<0.0039	--	25.3	100	24.7	100	28.2	100	24.3	100	29.1	100	22.7	100	18.1	100	12.1	100	9.4	100

Sample ID				BA5B02200929-31		BA5B02200933-35		BA5B02200937-39		BA5B02200941-43		BA5B02200945-47		BA5B02200949-51		BA5B02200953-55		BA5B02200957-59	
Depth interval				28-32 cm		32-36 cm		36-40 cm		40-44 cm		44-48 cm		48-52 cm		52-54 cm		56-60 cm	
Size classification	*Sieve number*	*Particle size* (mm)	*Phi interval*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*
Medium pebble	3/8	9.5	-3.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small pebble	4	4.75	-2.25	0	0	0	0	0	0	0	0	0	0	0.04	0.04	0.25	0.25	0	0
Gravel	10	2	-1	0	0	0	0	0.04	0.04	0	0	0	0	0.04	0.08	0.01	0.26	0	0
Very coarse sand	18	1	0	0.01	0.01	0.01	0.01	0.06	0.1	0.03	0.03	0.01	0.01	0.03	0.12	0.02	0.28	0.04	0.04
Coarse sand	35	0.5	1	0.03	0.04	0.05	0.06	0.14	0.25	0.03	0.05	0.07	0.09	0.21	0.32	0.1	0.38	0.08	0.12
Medium sand	60	0.25	2	0.07	0.11	0.03	0.09	0.1	0.35	0.11	0.16	0.12	0.2	0.65	0.97	0.14	0.52	0.17	0.29
Fine sand	120	0.125	3	0.5	0.61	0.3	0.4	0.35	0.7	0.38	0.54	0.57	0.77	4.98	5.96	0.62	1.14	0.59	0.88
Very fine sand	200	0.075	3.75	6.12	6.73	5.53	5.92	5.89	6.59	6.72	7.26	10.79	11.56	7.74	13.69	12.42	13.56	13.08	13.96
Very fine sand	230	0.0625	4	6.17	12.9	6.48	12.4	5.01	11.6	4.44	11.7	8.64	20.2	10.71	24.4	12.04	25.6	10.94	24.9
Coarse silt	Hydrometer	0.0312	5	23.7	36.6	24.8	37.2	19.3	30.9	16.9	28.6	32.5	52.7	40.2	64.6	43.2	68.8	41.7	66.6
Very fine silt	Hydrometer	0.0039	8	54.4	91	53	90.2	57.7	88.6	60.4	89	38.8	91.5	27.2	91.8	22.3	91.1	25.8	92.4
Clay	Hydrometer	<0.0039	--	9	100	9.8	100	11.4	100	11	100	8.5	100	8.2	100	8.9	100	7.6	100

Notes
1. Grain size test method: ASTM D422, *Standard Test Method for Particle-Size Analysis of Soils*
2. Size classification is per the Wentworth Soil Classification System.

Table 8 - Particle Size Results for Sediment Core ID BA6B
Pre-Design Investigation
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				**BA6B01200901**		**BA6B01200903**		**BA6B01200905**		**BA6B01200907**		**BA6B01200909-11**		**BA6B01200913-15**		**BA6B01200917-19**		**BA6B01200921-23**		**BA6B01200925-27**	
Depth interval				**0-2 cm**		**2-4 cm**		**4-6 cm**		**6-8 cm**		**8-12 cm**		**12-16 cm**		**16-20 cm**		**20-24 cm**		**24-28 cm**	
Size classification	***Sieve number***	***Particle size*** **(mm)**	***Phi interval***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***
Medium pebble	3/8	9.5	-3.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small pebble	4	4.75	-2.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel	10	2	-1	0	0	0	0	0.35	0.35	0	0	0	0	0	0	0	0	0.09	0.09	0	0
Very coarse sand	18	1	0	0.08	0.08	0.2	0.2	0.83	1.18	0.48	0.48	0.1	0.1	0	0	0.3	0.3	0.31	0.4	0.5	0.5
Coarse sand	35	0.5	1	0.45	0.54	0.63	0.83	1.6	2.78	1.2	1.69	0.4	0.5	0.2	0.2	0.3	0.6	0.9	1.3	1.2	1.7
Medium sand	60	0.25	2	3.58	4.12	4.03	4.86	10.13	12.91	17.34	19.02	3.76	4.26	1.17	1.37	1.51	2.11	0.54	1.84	0.83	2.53
Fine sand	120	0.125	3	10.7	14.82	9.68	14.55	12.11	25.02	14.25	33.27	10.24	14.5	3.63	5	3.59	5.7	2.16	4	2.07	4.6
Very fine sand	200	0.075	3.75	12.23	27.05	10.87	25.42	9.33	34.35	9.79	43.06	7.55	22.05	3.75	8.75	4.34	10.04	5.47	9.47	5.37	9.97
Very fine sand	230	0.0625	4	12.65	39.7	8.18	33.6	7.65	42	6.84	49.9	10.15	32.2	11.85	20.6	10.46	20.5	11.23	20.7	10.23	20.2
Coarse silt	Hydrometer	0.0312	5	36.8	76.5	31.2	64.8	27.7	69.7	24.2	74.1	35.2	67.4	41.2	61.8	41.2	61.7	40.3	61	36.8	57
Very fine silt	Hydrometer	0.0039	8	14.8	91.3	30.9	95.7	26.1	95.8	21.1	95.2	21.3	88.7	24.4	86.2	27.2	88.9	31.6	92.6	37.4	94.4
Clay	Hydrometer	<0.0039	--	8.7	100	4.3	100	4.2	100	4.8	100	11.3	100	13.8	100	11.1	100	7.4	100	5.6	100

Sample ID				**BA6B01200929-31**		**BA6B01200933-35**		**BA6B01200937-39**		**BA6B01200941-43**		**BA6B01200945-47**		**BA6B01200949-51**		**BA6B01200953-55**		**BA6B01200957-59**		**BA6B01200961-63**	
Depth interval				**28-32 cm**		**32-36 cm**		**36-40 cm**		**40-44 cm**		**44-48 cm**		**48-52 cm**		**52-56 cm**		**56-60 cm**		**60-64 cm**	
Size classification	***Sieve number***	***Particle size*** **(mm)**	***Phi interval***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***
Medium pebble	3/8	9.5	-3.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small pebble	4	4.75	-2.25	0	0	0	0	0	0	0	0	1.64	1.64	0	0	0	0	0	0	0	0
Gravel	10	2	-1	0.14	0.14	0.23	0.23	0.35	0.35	1.3	1.3	1.54	3.18	0.46	0.46	0.07	0.07	0.08	0.08	0	0
Very coarse sand	18	1	0	0.56	0.7	0.97	1.2	2.05	2.4	4	5.3	3.82	7	3.24	3.7	0.73	0.8	0.42	0.5	0	0
Coarse sand	35	0.5	1	1.5	2.2	2	3.2	3.3	5.7	4.6	9.9	4.5	11.5	2.4	6.1	0.5	1.3	0.5	1	0	0
Medium sand	60	0.25	2	0.91	3.11	1.08	4.28	1.52	7.22	2.47	12.37	2.31	13.81	0.97	7.07	0.16	1.46	0.27	1.27	0.04	0.04
Fine sand	120	0.125	3	2.29	5.4	2.42	6.7	2.18	9.4	3.73	16.1	3.39	17.2	1.83	8.9	0.84	2.3	0.93	2.2	0.26	0.3
Very fine sand	200	0.075	3.75	5.89	11.29	6.12	12.82	5.73	15.13	8.21	24.31	8.57	25.77	4.57	13.47	2.13	4.43	2.41	4.61	0.78	1.08
Very fine sand	230	0.0625	4	9.41	20.7	9.28	22.1	7.57	22.7	8.89	33.2	10.23	36	7.43	20.9	6.37	10.8	6.29	10.9	5.32	6.4
Coarse silt	Hydrometer	0.0312	5	34	54.7	34.6	56.7	29.1	51.8	33.3	66.5	36.4	72.4	28	48.9	24.1	34.9	23.9	34.8	20.2	26.6
Very fine silt	Hydrometer	0.0039	8	40.2	94.9	39.3	96	42.6	94.4	30.4	96.9	24.4	96.8	47.4	96.3	57.6	92.5	60	94.8	66.8	93.4
Clay	Hydrometer	<0.0039	--	5.1	100	4	100	5.6	100	3.1	100	3.2	100	3.7	100	7.5	100	5.2	100	6.6	100

Notes
1. Grain size test method: ASTM D422, *Standard Test Method for Particle-Size Analysis of Soils*
2. Size classification is per the Wentworth Soil Classification System.

Table 9 - Particle Size Results for Sediment Core ID BA6BC
Pre-Design Investigation
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				**BA6BC01200901**		**BA6BC01200903**		**BA6BC01200905**		**BA6BC01200907**		**BA6BC01200909-11**		**BA6BC01200913-15**		**BA6BC01200917-19**		**BA6BC01200921-23**	
Depth interval				**0-2 cm**		**2-4 cm**		**4-6 cm**		**6-8 cm**		**8-12 cm**		**12-16 cm**		**16-20 cm**		**20-24 cm**	
Size classification	***Sieve number***	***Particle size*** **(mm)**	***Phi interval***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***
Very large pebble	1.5	37.5	-5.23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Large pebble	3/4	19	-4.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Medium pebble	3/8	9.5	-3.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small pebble	4	4.75	-2.25	0	0	0	0	0	0	0	0	0.17	0.17	0	0	0	0	0	0
Gravel	10	2	-1	0	0	0.36	0.36	0.24	0.24	0.11	0.11	0.1	0.27	0	0	0	0	1.16	1.16
Very coarse sand	18	1	0	0.13	0.13	0.22	0.58	0.73	0.97	0.53	0.64	0.22	0.49	0.02	0.02	0	0	2.09	3.25
Coarse sand	35	0.5	1	0.7	0.83	0.75	1.33	1.07	2.04	1.49	2.13	0.32	0.8	0.17	0.2	0.08	0.08	3.42	6.67
Medium sand	60	0.25	2	3.87	4.7	6.03	7.36	10.38	12.42	13.33	15.46	2.61	3.41	2.54	2.74	0.98	1.06	3.37	10.04
Fine sand	120	0.125	3	10.27	14.97	11.95	19.31	11.83	24.26	15.32	30.78	5.02	8.43	4.74	7.48	3.58	4.63	3.25	13.29
Very fine sand	200	0.075	3.75	17.15	32.11	15.13	34.44	13.08	37.34	12.45	43.23	5.43	13.86	5.16	12.64	3.32	7.95	8.1	21.39
Very fine sand	230	0.0625	4	4.19	36.3	6.26	40.7	3.56	40.9	2.77	46	8.04	21.9	10.86	23.5	7.85	15.8	6.61	28
Coarse silt	Hydrometer	0.0312	5	17.1	53.4	22.1	62.8	16.5	57.4	12.1	58.1	34.2	56.1	37	60.5	36	51.8	25.4	53.4
Very fine silt	Hydrometer	0.0039	8	18.4	71.8	18	80.8	19.7	77.1	18.7	76.8	18.7	74.8	13.6	74.1	21.7	73.5	19	72.4
Clay	Hydrometer	<0.0039	--	28.2	100	19.2	100	22.9	100	23.2	100	25.2	100	25.9	100	26.5	100	27.6	100

Sample ID				**BA6BC01200925-27**		**BA6BC01200929-31**		**BA6BC01200933-35**		**BA6BC01200937-39**		**BA6BC01200941-43**		**BA6BC01200945-47**		**BA6BC01200949-51**		**BA6BC01200953**	
Depth interval				**24-28 cm**		**28-32 cm**		**32-36 cm**		**36-40 cm**		**40-44 cm**		**44-48 cm**		**48-52 cm**		**52-54 cm**	
Size classification	***Sieve number***	***Particle size*** **(mm)**	***Phi interval***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***
Very large pebble	1.5	37.5	-5.23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Large pebble	3/4	19	-4.25	0	0	17.19	17.19	0	0	0	0	0	0	0	0	0	0	0	0
Medium pebble	3/8	9.5	-3.25	0	0	29.28	46.47	8.74	8.74	14.06	14.06	8.59	8.59	0	0	6.3	6.3	3.16	3.16
Small pebble	4	4.75	-2.25	0	0	6.97	53.44	8.78	17.52	11.94	25.99	9.67	18.26	7.56	7.56	7.4	13.7	9.58	12.74
Gravel	10	2	-1	0.37	0.37	1.95	55.39	7.22	24.74	12.64	38.63	8.66	26.91	3.56	11.12	4.45	18.15	1.86	14.6
Very coarse sand	18	1	0	0.43	0.79	1.29	56.68	6.9	31.64	6.9	45.54	6.13	33.05	3.61	14.73	4	22.15	2.28	16.88
Coarse sand	35	0.5	1	0.81	1.6	1.66	58.34	9.2	40.83	6.16	51.7	3.54	36.58	3.29	18.02	4.75	26.9	3.28	20.16
Medium sand	60	0.25	2	1.32	2.92	1.38	59.71	5.69	46.52	4.27	55.97	2.6	39.18	2.87	20.89	3.51	30.4	3.01	23.17
Fine sand	120	0.125	3	1.56	4.49	1.29	61.01	1.83	48.35	1.65	57.62	1.42	40.6	1.67	22.55	1.54	31.94	2.03	25.21
Very fine sand	200	0.075	3.75	8.18	12.67	6.13	67.14	9.39	57.74	7.4	65.02	9.03	49.63	13.67	36.22	10.52	42.46	11.51	36.72
Very fine sand	230	0.0625	4	8.13	20.8	1.66	68.8	3.66	61.4	2.58	67.6	4.97	54.6	5.98	42.2	4.24	46.7	6.78	43.5
Coarse silt	Hydrometer	0.0312	5	32.9	53.7	6.8	75.6	14.1	75.5	10.1	77.7	18.3	72.9	22.9	65.1	15.6	62.3	24.7	68.2
Very fine silt	Hydrometer	0.0039	8	28.9	82.6	16.6	92.2	16.1	91.6	15.3	93	20.2	93.1	27.8	92.9	28.1	90.4	23.8	92
Clay	Hydrometer	<0.0039	--	17.4	100	7.8	100	8.4	100	7	100	6.9	100	7.1	100	9.6	100	8	100

Notes
1. Grain size test method: ASTM D422, *Standard Test Method for Particle-Size Analysis of Soils*
2. Size classification is per the Wentworth Soil Classification System.

Table 10- Particle Size Results for Sediment Core ID BA7B
Pre-Design Investigation
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				**BA7B01200901**		**BA7B01200903**		**BA7B01200905**		**BA7B01200907**		**BA7B01200909-11**		**BA7B01200913-15**		**BA7B01200917-19**		**BA7B01200921-23**	
Depth interval				**0-2 cm**		**2-4 cm**		**4-6 cm**		**6-8 cm**		**8-12 cm**		**12-16 cm**		**16-20 cm**		**20-24 cm**	
Size classification	***Sieve number***	***Particle size*** **(mm)**	***Phi interval***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***
Medium pebble	3/8	9.5	-3.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small pebble	4	4.75	-2.25	0	0	0	0	0	0	0	0	0.39	0.39	0	0	0	0	0	0
Gravel	10	2	-1	0.07	0.07	0.03	0.03	0.07	0.07	0	0	0	0.39	0.11	0.11	0.12	0.12	0.01	0.01
Very coarse sand	18	1	0	0.55	0.62	0.13	0.16	0.2	0.27	0	0	0.24	0.63	0.11	0.22	0.18	0.3	0.13	0.15
Coarse sand	35	0.5	1	1.02	1.64	0.56	0.72	0.56	0.83	0.21	0.21	0.82	1.45	0.52	0.74	0.69	0.99	0.69	0.84
Medium sand	60	0.25	2	5.64	7.28	7.85	8.56	5.64	6.47	6.68	6.89	1.04	2.49	0.7	1.44	0.8	1.79	0.87	1.71
Fine sand	120	0.125	3	15.73	23.02	9.68	18.24	7.7	14.17	7.48	14.37	1.65	4.14	1.08	2.52	0.88	2.67	0.88	2.6
Very fine sand	200	0.075	3.75	10.27	33.28	8.4	26.64	8.56	22.73	8.41	22.78	7.02	11.16	6.07	8.59	6.51	9.19	6.8	9.4
Very fine sand	230	0.0625	4	2.82	36.1	4.16	30.8	4.97	27.7	6.52	29.3	5.54	16.7	6.51	15.1	6.21	15.4	6.6	16
Coarse silt	Hydrometer	0.0312	5	13.1	49.2	18.2	49	19.7	47.4	24.6	53.9	21	37.7	24.7	39.8	23.7	39.1	25.3	41.3
Very fine silt	Hydrometer	0.0039	8	25.6	74.8	28.1	77.1	29.7	77.1	29.9	83.8	50.6	88.3	50.6	90.4	51.5	90.6	49.6	90.9
Clay	Hydrometer	<0.0039	--	25.2	100	22.9	100	22.9	100	16.2	100	11.7	100	9.6	100	9.4	100	9.1	100

Sample ID				**BA7B01200925-27**		**BA7B01200929-31**		**BA7B01200933-35**		**BA7B01200937-39**		**BA7B01200941-43**		**BA7B01200945-47**		**BA7B01200949-51**		**BA7B01200953**	
Depth interval				**24-28 cm**		**28-32 cm**		**32-36 cm**		**36-40 cm**		**40-44 cm**		**44-48 cm**		**48-52 cm**		**52-54 cm**	
Size classification	***Sieve number***	***Particle size*** **(mm)**	***Phi interval***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***
Medium pebble	3/8	9.5	-3.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small pebble	4	4.75	-2.25	0.94	0.94	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel	10	2	-1	0.38	1.32	0.07	0.07	0	0	0	0	0.09	0.09	0.06	0.06	0	0	0.22	0.22
Very coarse sand	18	1	0	0.44	1.76	0.28	0.34	0.06	0.06	0.02	0.02	0.06	0.15	0.02	0.08	0	0	0.04	0.27
Coarse sand	35	0.5	1	0.98	2.75	0.59	0.93	0.1	0.16	0.06	0.08	0.07	0.22	0.03	0.11	0.03	0.03	0.06	0.32
Medium sand	60	0.25	2	1.19	3.94	0.7	1.63	0.14	0.31	0.1	0.18	0.08	0.31	0.06	0.17	0.05	0.08	0.07	0.4
Fine sand	120	0.125	3	1.57	5.51	0.88	2.51	0.33	0.63	0.26	0.44	0.3	0.6	0.31	0.49	0.4	0.47	0.37	0.77
Very fine sand	200	0.075	3.75	5.6	11.11	4	6.51	1.91	2.55	1.52	1.97	1.51	2.11	2.06	2.55	2.35	2.82	2.26	3.02
Very fine sand	230	0.0625	4	5.99	17.1	5.59	12.1	4.65	7.2	4.53	6.5	4.49	6.6	4.95	7.5	5.48	8.3	5.18	8.2
Coarse silt	Hydrometer	0.0312	5	22.6	39.7	21.4	33.5	17.5	24.7	17.3	23.8	16.9	23.5	19.1	26.6	20.7	29	19.5	27.7
Very fine silt	Hydrometer	0.0039	8	48.1	87.8	58.4	91.9	67.1	91.8	67.9	91.7	66.6	90.1	65.3	91.9	63.7	92.7	61.7	89.4
Clay	Hydrometer	<0.0039	--	12.2	100	8.1	100	8.2	100	8.3	100	9.9	100	8.1	100	7.3	100	10.6	100

Notes
1. Grain size test method: ASTM D422, *Standard Test Method for Particle-Size Analysis of Soils*
2. Size classification is per the Wentworth Soil Classification System.

Table 11 - Particle Size Results for Sediment Core ID BA7BC
Pre-Design Investigation
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				**BA7BC01200901**		**BA7BC01200903**		**BA7BC01200905**		**BA7BC01200907**		**BA7BC01200909-11**		**BA7BC01200913-15**	
Depth interval				**0-2 cm**		**2-4 cm**		**4-6 cm**		**6-8 cm**		**8-12 cm**		**12-16 cm**	
Size classification	***Sieve number***	***Particle size*** **(mm)**	***Phi interval***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***
Very large pebble	1.5	37.5	-5.23	0	0	0	0	0	0	0	0	0	0	0	0
Large pebble	3/4	19	-4.25	0	0	0	0	0	0	0	0	21.21	21.21	0	0
Medium pebble	3/8	9.5	-3.25	6.26	6.26	10.62	10.62	10.6	10.6	0	0	7.6	28.81	8.5	8.5
Small pebble	4	4.75	-2.25	7.92	14.19	13.86	24.48	9.29	19.89	8.85	8.85	12.64	41.45	3.05	11.56
Gravel	10	2	-1	2.41	16.6	6.34	30.82	6.26	26.15	3.82	12.68	7.51	48.96	3.46	15.02
Very coarse sand	18	1	0	1.66	18.26	5.95	36.76	5.25	31.4	3.29	15.97	4.5	53.46	3.99	19.01
Coarse sand	35	0.5	1	3.25	21.51	9.45	46.22	8.78	40.18	5.01	20.98	3.79	57.25	4.14	23.15
Medium sand	60	0.25	2	9.96	31.46	9.06	55.28	10.01	50.19	7.15	28.13	4.78	62.03	5.65	28.8
Fine sand	120	0.125	3	11.76	43.22	5.47	60.75	4.65	54.83	3.78	31.91	1.63	63.66	2.15	30.95
Very fine sand	200	0.075	3.75	9.47	52.69	6.15	66.91	6.65	61.48	8.7	40.62	4.72	68.38	7.27	38.22
Very fine sand	230	0.0625	4	3.21	55.9	1.29	68.2	2.52	64	4.18	44.8	2.32	70.7	4.28	42.5
Coarse silt	Hydrometer	0.0312	5	11.8	67.7	5.6	73.8	9.9	73.9	15.9	60.7	8.7	79.4	16.4	58.9
Very fine silt	Hydrometer	0.0039	8	17.2	84.9	13.2	87	14.8	88.7	25.4	86.1	14.1	93.5	32.8	91.7
Clay	Hydrometer	<0.0039	--	15.1	100	13	100	11.3	100	13.9	100	6.5	100	8.3	100

Notes
1. Grain size test method: ASTM D422, *Standard Test Method for Particle-Size Analysis of Soils*
2. Size classification is per the Wentworth Soil Classification System.

Table 12 - Particle Size Results for Sediment Core ID BA8B
Pre-Design Investigation
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				**BA8B01200901**		**BA8B01200903**		**BA8B01200905**		**BA8B01200907**		**BA8B01200909-11**		**BA8B01200913-15**	
Depth interval				**0-2 cm**		**2-4 cm**		**4-6 cm**		**6-8 cm**		**8-12 cm**		**12-16 cm**	
Size classification	***Sieve number***	***Particle size*** **(mm)**	***Phi interval***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***
Medium pebble	3/8	9.5	-3.25	0	0	0	0	0	0	0	0	0	0	0	0
Small pebble	4	4.75	-2.25	0	0	0	0	0	0	0	0	0	0	0	0
Gravel	10	2	-1	0	0	0.05	0.05	0.28	0.28	0.13	0.13	0	0	0.01	0.01
Very coarse sand	18	1	0	0.08	0.08	0.19	0.24	0.31	0.6	0.24	0.37	0.09	0.1	0.01	0.03
Coarse sand	35	0.5	1	0.32	0.4	1.17	1.41	0.45	1.05	0.98	1.35	0.27	0.36	0.2	0.23
Medium sand	60	0.25	2	3.79	4.19	10.74	12.15	16.54	17.59	21.51	22.86	0.76	1.12	0.62	0.84
Fine sand	120	0.125	3	8.51	12.7	14.48	26.63	16.77	34.35	17.46	40.32	2.36	3.48	1.48	2.33
Very fine sand	200	0.075	3.75	11.05	23.75	11.95	38.58	9.84	44.2	9.07	49.39	3.8	7.28	8.11	10.44
Very fine sand	230	0.0625	4	3.95	27.7	6.42	45	3.2	47.4	1.61	51	7.12	14.4	7.66	18.1
Coarse silt	Hydrometer	0.0312	5	18.1	45.8	20.9	65.9	14.1	61.5	8.8	59.8	33.5	47.9	29	47.1
Very fine silt	Hydrometer	0.0039	8	26.4	72.2	15.9	81.8	17	78.5	16.4	76.2	32.3	80.2	41.9	89
Clay	Hydrometer	<0.0039	--	27.8	100	18.2	100	21.5	100	23.8	100	19.8	100	11	100

Sample ID				**BA8B01200917-19**		**BA8B01200921-23**		**BA8B01200925-27**		**BA8B01200929-31**		**BA8B01200933-35**		**BA8B01200937**	
Depth interval				**16-20 cm**		**20-24 cm**		**24-28 cm**		**28-32 cm**		**32-36 cm**		**36-38 cm**	
Size classification	***Sieve number***	***Particle size*** **(mm)**	***Phi interval***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***
Medium pebble	3/8	9.5	-3.25	0	0	0	0	0	0	0	0	0	0	0	0
Small pebble	4	4.75	-2.25	0	0	0	0	0	0	0	0	0	0	0	0
Gravel	10	2	-1	0	0	0	0	0	0	0.12	0.12	0.13	0.13	0.22	0.22
Very coarse sand	18	1	0	0.1	0.1	0.09	0.09	0.06	0.06	0.21	0.33	0.37	0.5	0.73	0.95
Coarse sand	35	0.5	1	0.48	0.58	0.36	0.45	0.41	0.46	0.58	0.91	0.99	1.49	1.37	2.32
Medium sand	60	0.25	2	0.47	1.05	0.43	0.88	0.42	0.88	0.59	1.5	0.86	2.35	1.08	3.4
Fine sand	120	0.125	3	1.2	2.25	0.97	1.84	0.96	1.84	0.85	2.35	1.02	3.37	1.01	4.41
Very fine sand	200	0.075	3.75	10.28	12.53	9.52	11.37	10.48	12.32	11.04	13.39	13.04	16.41	16.39	20.81
Very fine sand	230	0.0625	4	7.07	19.6	6.83	18.2	7.18	19.5	7.61	21	8.79	25.2	10.49	31.3
Coarse silt	Hydrometer	0.0312	5	26.9	46.5	25.9	44.1	27.3	46.8	28.9	49.9	33.4	58.6	37.8	69.1
Very fine silt	Hydrometer	0.0039	8	44.8	91.3	47.1	91.2	45.2	92	41.6	91.5	33.4	92	22.3	91.4
Clay	Hydrometer	<0.0039	--	8.7	100	8.8	100	8	100	8.5	100	8	100	8.6	100

Notes
1. Grain size test method: ASTM D422, *Standard Test Method for Particle-Size Analysis of Soils*
2. Size classification is per the Wentworth Soil Classification System.

Table 13 - Particle Size Results for Sediment Core ID BA8BC
Pre-Design Investigation
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				**BA8BC01200901**		**BA8BC01200903**		**BA8BC01200905**		**BA8BC01200907**		**BA8BC01200909-11**	
Depth interval				**0-2 cm**		**2-4 cm**		**4-6 cm**		**6-8 cm**		**8-12 cm**	
Size classification	***Sieve number***	***Particle size*** **(mm)**	***Phi interval***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***
Very large pebble	1.5	37.5	-5.23	0	0	0	0	0	0	0	0	0	0
Large pebble	3/4	19	-4.25	0	0	0	0	0	0	0	0	0	0
Medium pebble	3/8	9.5	-3.25	0	0	0	0	0	0	0	0	0	0
Small pebble	4	4.75	-2.25	0	0	0	0	0	0	0	0	0	0
Gravel	10	2	-1	0.49	0.49	0.41	0.41	1.52	1.52	1.5	1.5	0.1	0.1
Very coarse sand	18	1	0	1.71	2.2	1.16	1.57	2.38	3.91	1.9	3.4	0.25	0.35
Coarse sand	35	T	1	2.4	4.61	2.73	4.31	4.87	8.78	3.7	7.1	0.95	1.3
Medium sand	60	0.25	2	4.92	9.53	13.3	17.6	17.04	25.82	17.03	24.13	1.82	3.12
Fine sand	120	0.125	3	8.43	17.96	11.6	29.2	12.25	38.07	19.13	43.27	2.48	5.6
Very fine sand	200	0.075	3.75	14.19	32.16	10.75	39.96	10.7	48.77	12.07	55.33	5.18	10.78
Very fine sand	230	0.0625	4	5.54	37.7	4.04	44	3.33	52.1	0.97	56.3	10.52	21.3
Coarse silt	Hydrometer	0.0312	5	20.5	58.2	16.7	60.7	12.4	64.5	5.8	62.1	39.3	60.6
Very fine silt	Hydrometer	0.0039	8	20.6	78.8	17.2	77.9	17.6	82.1	14.3	76.4	19	79.6
Clay	Hydrometer	<0.0039	--	21.2	100	22.1	100	17.9	100	23.6	100	20.4	100

Sample ID				**BA8BC01200913-15**		**BA8BC01200917-19**		**BA8BC01200921-23**		**BA8BC01200925**	
Depth interval				**12-16 cm**		**16-20 cm**		**20-24 cm**		**24-26 cm**	
Size classification	***Sieve number***	***Particle size*** **(mm)**	***Phi interval***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***
Very large pebble	1.5	37.5	-5.23	0	0	0	0	0	0	0	0
Large pebble	3/4	19	-4.25	0	0	0	0	0	0	12.2	12.2
Medium pebble	3/8	9.5	-3.25	2.05	2.05	3.31	3.31	20.32	20.32	0.12	12.33
Small pebble	4	4.75	-2.25	1.62	3.68	8.84	12.15	5.39	25.71	1.92	14.25
Gravel	10	2	-1	0.44	4.12	10.39	22.54	8.95	34.66	4.27	18.51
Very coarse sand	18	1	0	0.68	4.8	6.92	29.46	9.32	43.98	6.67	25.19
Coarse sand	35	0.5	1	1.79	6.59	8.27	37.72	10.27	54.25	12.17	37.36
Medium sand	60	0.25	2	3.15	9.74	7.06	44.78	7.63	61.88	10.36	47.72
Fine sand	120	0.125	3	2.25	11.99	2.4	47.18	2.27	64.15	3.5	51.23
Very fine sand	200	0.075	3.75	9	20.99	7.54	54.72	3.15	67.3	7.25	58.48
Very fine sand	230	0.0625	4	8.21	29.2	2.18	56.9	2.1	69.4	3.52	62
Coarse silt	Hydrometer	0.0312	5	33	62.2	9.7	66.6	8.8	78.2	12.8	74.8
Very fine silt	Hydrometer	0.0039	8	25.6	87.8	24.6	91.2	14.5	92.7	14.6	89.4
Clay	Hydrometer	<0.0039	--	12.2	100	8.8	100	7.3	100	10.6	100

Notes
1. Grain size test method: ASTM D422, *Standard Test Method for Particle-Size Analysis of Soils*
2. Size classification is per the Wentworth Soil Classification System.

Table 14 - Particle Size Results for Sediment Core ID BA9B
Pre-Design Investigation
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				**BA9B01200901**		**BA9B01200903**		**BA9B01200905**		**BA9B01200907**		**BA9B01200909-11**		**BA9B01200913-15**		**BA9B01200917-19**	
Depth interval				**0-2 cm**		**2-4 cm**		**4-6 cm**		**6-8 cm**		**8-12 cm**		**12-16 cm**		**16-20 cm**	
Size classification	***Sieve number***	***Particle size*** **(mm)**	***Phi interval***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***
Medium pebble	3/8	9.5	-3.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small pebble	4	4.75	-2.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel	10	2	-1	0.05	0.05	0.03	0.03	0	0	0	0	0.02	0.02	0	0	0	0
Very coarse sand	18	1	0	0.16	0.21	0.2	0.23	0.06	0.06	0.17	0.17	0.05	0.07	0.06	0.06	0.02	0.02
Coarse sand	35	0.5	1	0.64	0.85	0.73	0.95	0.14	0.19	0.51	0.68	0.09	0.16	0.18	0.23	0.04	0.06
Medium sand	60	0.25	2	2.79	3.64	5.17	6.12	10.24	10.43	15.28	15.95	0.7	0.86	0.33	0.57	0.19	0.24
Fine sand	120	0.125	3	5.88	9.52	6.92	13.04	11.9	22.34	13.55	29.5	2.38	3.24	1.93	2.49	0.99	1.23
Very fine sand	200	0.075	3.75	18.78	28.31	16.62	29.66	13.4	35.73	14.13	43.63	12.32	15.56	13.54	16.03	14.96	16.19
Very fine sand	230	0.0625	4	7.89	36.2	8.04	37.7	5.57	41.3	3.27	46.9	7.64	23.2	7.77	23.8	6.91	23.1
Coarse silt	Hydrometer	0.0312	5	28.4	64.6	28.1	65.8	20.7	62	12.1	59	30	53.2	29.9	53.7	26.4	49.5
Very fine silt	Hydrometer	0.0039	8	18.4	83	18	83.8	18.1	80.1	18.4	77.4	35.8	89	37.4	91.1	42.7	92.2
Clay	Hydrometer	<0.0039	--	17	100	16.2	100	19.9	100	22.6	100	11	100	8.9	100	7.8	100

Sample ID				**BA9B01200921-23**		**BA9B01200925-27**		**BA9B01200929-31**		**BA9B01200933-35**		**BA9B01200937-39**		**BA9B01200941**	
Depth interval				**20-24 cm**		**24-28 cm**		**28-32 cm**		**32-36 cm**		**36-40 cm**		**40-42 cm**	
Size classification	***Sieve number***	***Particle size*** **(mm)**	***Phi interval***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***
Medium pebble	3/8	9.5	-3.25	0	0	0	0	0	0	0	0	0	0	0	0
Small pebble	4	4.75	-2.25	0	0	0	0	0	0	0	0	0	0	0	0
Gravel	10	2	-1	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.32	0.32	0.2	0.2
Very coarse sand	18	1	0	0	0.02	0.04	0.06	0.01	0.02	0.01	0.02	0.09	0.41	0.28	0.48
Coarse sand	35	0.5	1	0.07	0.09	0.09	0.15	0.01	0.03	0.07	0.09	0.22	0.63	0.25	0.73
Medium sand	60	0.25	2	0.11	0.2	0.17	0.32	0.15	0.18	0.13	0.22	0.28	0.91	0.35	1.08
Fine sand	120	0.125	3	0.9	1.1	0.73	1.05	0.97	1.16	0.85	1.07	1.33	2.24	1.1	2.18
Very fine sand	200	0.075	3.75	15.94	17.03	15.32	16.37	20.15	21.31	23.1	24.17	20.69	22.93	18.25	20.43
Very fine sand	230	0.0625	4	7.47	24.5	7.63	24	9.69	31	10.73	34.9	11.17	34.1	10.37	30.8
Coarse silt	Hydrometer	0.0312	5	28.2	52.7	29.2	53.2	34.2	65.2	37.5	72.4	38.3	72.4	36.9	67.7
Very fine silt	Hydrometer	0.0039	8	38.5	91.2	38.5	91.7	27.4	92.6	18.8	91.2	20.2	92.6	21.1	88.8
Clay	Hydrometer	<0.0039	--	8.8	100	8.3	100	7.4	100	8.8	100	7.4	100	11.2	100

Notes
1. Grain size test method: ASTM D422, *Standard Test Method for Particle-Size Analysis of Soils*
2. Size classification is per the Wentworth Soil Classification System.

Table 15 - Particle Size Results for Sediment Core ID BA9BC
Pre-Design Investigation
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				**BA9BC01200901**		**BA9BC01200903**		**BA9BC01200905**		**BA9BC01200907**		**BA9BC01200909-11**		**BA9BC01200913-15**	
Depth interval				**0-2 cm**		**2-4 cm**		**4-6 cm**		**6-8 cm**		**8-12 cm**		**12-16 cm**	
Size classification	***Sieve number***	***Particle size (mm)***	***Phi interval***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***
Medium pebble	3/8	9.5	-3.25	0	0	0	0	0	0	0	0	0	0	0	0
Small pebble	4	4.75	-2.25	0	0	0	0	0	0	0	0	0	0	0	0
Gravel	10	2	-1	0.21	0.21	0.28	0.28	0.11	0.11	0.26	0.26	0.28	0.28	0.18	0.18
Very coarse sand	18	1	0	0.34	0.55	0.56	0.85	0.2	0.31	0.28	0.54	0.18	0.45	0.18	0.37
Coarse sand	35	0.5	1	0.47	1.01	0.99	1.83	0.36	0.67	0.36	0.9	0.29	0.75	0.27	0.64
Medium sand	60	0.25	2	2.49	3.51	3.18	5.01	3.26	3.93	3.69	4.59	0.63	1.38	0.44	1.07
Fine sand	120	0.125	3	4.95	8.46	4.65	9.66	5.39	9.32	5.62	10.21	1.75	3.13	1.74	2.81
Very fine sand	200	0.075	3.75	15.39	23.85	14.51	24.17	13.65	22.97	13.56	23.76	10.79	13.92	7.67	10.48
Very fine sand	230	0.0625	4	3.95	27.8	6.73	30.9	7.73	30.7	7.04	30.8	7.58	21.5	8.62	19.1
Coarse silt	Hydrometer	0.0312	5	16.4	44.2	25	55.9	28.3	59	26	56.8	31.6	53.1	34.6	53.7
Very fine silt	Hydrometer	0.0039	8	25.9	70.1	24	79.9	25.2	84.2	25.1	81.9	32	85.1	30.9	84.6
Clay	Hydrometer	<0.0039	--	29.9	100	20.1	100	15.8	100	18.1	100	14.9	100	15.4	100

Sample ID				**BA9BC01200917-19**		**BA9BC01200921-23**		**BA9BC01200925-27**		**BA9BC01200929-31**		**BA9BC01200933**	
Depth interval				**16-20 cm**		**20-24 cm**		**24-28 cm**		**28-32 cm**		**32-34 cm**	
Size classification	***Sieve number***	***Particle size (mm)***	***Phi interval***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***
Medium pebble	3/8	9.5	-3.25	0	0	0	0	0	0	0	0	0	0
Small pebble	4	4.75	-2.25	0	0	0	0	0	0	0	0	0	0
Gravel	10	2	-1	0.67	0.67	0	0	0.08	0.08	0.21	0.21	0.21	0.21
Very coarse sand	18	1	0	0.03	0.7	0	0	0.03	0.11	0.12	0.33	0.27	0.48
Coarse sand	35	0.5	1	0.2	0.9	0.12	0.12	0.08	0.19	0.16	0.49	0.48	0.97
Medium sand	60	0.25	2	0.4	1.3	0.6	0.72	0.3	0.49	0.37	0.86	1.35	2.32
Fine sand	120	0.125	3	2.23	3.53	2.2	2.92	1.62	2.11	1.14	2.01	2.86	5.18
Very fine sand	200	0.075	3.75	6.29	9.82	5.08	8	8.65	10.76	16.04	18.04	19.38	24.56
Very fine sand	230	0.0625	4	9.08	18.9	5.7	13.7	4.74	15.5	6.36	24.4	7.54	32.1
Coarse silt	Hydrometer	0.0312	5	37.7	56.6	30.9	44.6	21.3	36.8	27.1	51.5	27.8	59.9
Very fine silt	Hydrometer	0.0039	8	26.1	82.7	32.9	77.5	48.3	85.1	35.2	86.7	25.8	85.7
Clay	Hydrometer	<0.0039	--	17.3	100	22.5	100	14.9	100	13.3	100	14.3	100

Notes
1. Grain size test method: ASTM D422, *Standard Test Method for Particle-Size Analysis of Soils*
2. Size classification is per the Wentworth Soil Classification System.

Table 16 - Particle Size Results for Sediment Core ID BA10B
Pre-Design Investigation
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID ***Depth interval***				**BA10B01200901 0-2 cm**		**BA10B01200903 2-4 cm**		**BA10B01200905 4-6 cm**		**BA10B01200907 6-8 cm**		**BA10B01200909-11 8-12 cm**	
Size classification	***Sieve number***	***Particle size*** **(mm)**	***Phi interval***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***
Medium pebble	3/8	9.5	-3.25	0	0	0	0	0	0	0	0	0	0
Small pebble	4	4.75	-2.25	0	0	0	0	0	0	0	0	0	0
Gravel	10	2	-1	0	0	0	0	0.09	0.09	0	0	0.06	0.06
Very coarse sand	18	1	0	0.13	0.13	0.04	0.04	0.03	0.12	0.08	0.08	0.05	0.11
Coarse sand	35	0.5	1	0.15	0.28	0.18	0.22	0.09	0.21	0.14	0.22	0.08	0.19
Medium sand	60	0.25	2	1.08	1.36	0.84	1.06	0.47	0.68	0.5	0.72	0.18	0.37
Fine sand	120	0.125	3	8.87	10.24	7.23	8.29	7.87	8.55	5.14	5.86	2.6	2.97
Very fine sand	200	0.075	3.75	34.13	44.37	33.87	42.16	33.46	42.01	31.7	37.56	20.38	23.35
Very fine sand	230	0.0625	4	6.53	50.9	7.44	49.6	7.69	49.7	7.54	45.1	5.45	28.8
Coarse silt	Hydrometer	0.0312	5	22	72.9	25.4	75	25.6	75.3	26	71.1	20.9	49.7
Very fine silt	Hydrometer	0.0039	8	12.2	85.1	14.2	89.2	14.1	89.4	17.2	88.3	42.2	91.9
Clay	Hydrometer	<0.0039	--	14.9	100	10.8	100	10.6	100	11.7	100	8.1	100

Sample ID ***Depth interval***				**BA10B01200913-15 12-16 cm**		**BA10B01200917-19 16-20 cm**		**BA10B01200921-23 20-24 cm**		**BA10B01200925-27 24-28 cm**		**BA10B01200929-31 28-32 cm**	
Size classification	***Sieve number***	***Particle size*** **(mm)**	***Phi interval***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***
Medium pebble	3/8	9.5	-3.25	0	0	0	0	0	0	0	0	0	0
Small pebble	4	4.75	-2.25	0	0	0	0	0	0	0	0	0	0
Gravel	10	2	-1	0.42	0.42	0	0	0	0	0.11	0.11	0.02	0.02
Very coarse sand	18	1	0	0.14	0.56	0.01	0.01	0	0	0.06	0.17	0.02	0.04
Coarse sand	35	0.5	1	0.28	0.83	0.02	0.03	0.04	0.04	0.05	0.21	0.04	0.07
Medium sand	60	0.25	2	0.24	1.07	0.06	0.08	0.05	0.09	0.08	0.29	0.07	0.15
Fine sand	120	0.125	3	0.96	2.04	0.23	0.31	0.25	0.35	0.54	0.84	0.3	0.45
Very fine sand	200	0.075	3.75	6.99	9.03	2.17	2.48	2.98	3.33	5.33	6.17	4.03	4.48
Very fine sand	230	0.0625	4	4.37	13.4	4.12	6.6	5.27	8.6	4.63	10.8	4.82	9.3
Coarse silt	Hydrometer	0.0312	5	16.5	29.9	15.6	22.2	20.2	28.8	17.6	28.4	18.4	27.7
Very fine silt	Hydrometer	0.0039	8	62.2	92.1	67.3	89.5	63.7	92.5	63	91.4	63.7	91.4
Clay	Hydrometer	<0.0039	--	7.9	100	10.5	100	7.5	100	8.6	100	8.6	100

Notes
1. Grain size test method: ASTM D422, *Standard Test Method for Particle-Size Analysis of Soils*
2. Size classification is per the Wentworth Soil Classification System.

Table 17 - Particle Size Results for Sediment Core ID BA1C
Pre-Design Investigation
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				**BA1C01200901**		**BA1C01200903**		**BA1C01200905**		**BA1C01200907**		**BA1C01200909-11**		**BA1C01200913-15**		**BA1C01200917-19**	
Depth interval				**0-2 cm**		**2-4 cm**		**4-6 cm**		**6-8 cm**		**8-12 cm**		**12-16 cm**		**16-20 cm**	
Size classification	***Sieve number***	***Particle size*** **(mm)**	***Phi interval***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***
Medium pebble	3/8	9.5	-3.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small pebble	4	4.75	-2.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel	10	2	-1	0	0	0.02	0.02	0	0	0.02	0.02	0.03	0.03	0	0	0.07	0.07
Very coarse sand	18	1	0	0.06	0.06	0.02	0.04	0.04	0.04	0.05	0.07	0.19	0.22	0	0	0.1	0.16
Coarse sand	35	0.5	1	0.06	0.13	0.06	0.09	0.02	0.06	0.1	0.17	0.12	0.34	0.06	0.06	0.07	0.23
Medium sand	60	0.25	2	0.19	0.32	0.28	0.37	0.37	0.43	0.77	0.93	0.18	0.51	0.16	0.22	0.11	0.34
Fine sand	120	0.125	3	3.51	3.83	4.27	4.65	4.49	4.92	4.14	5.07	3.66	4.18	5.56	5.78	4.27	4.61
Very fine sand	200	0.075	3.75	20.52	24.35	20.92	25.57	21.22	26.14	20.87	25.94	20.66	24.83	18.61	24.39	17.36	21.97
Very fine sand	230	0.0625	4	9.95	34.3	10.23	35.8	10.36	36.5	10.56	36.5	15.67	40.5	10.91	35.3	11.53	33.5
Coarse silt	Hydrometer	0.0312	5	34.1	68.4	35.8	71.6	35.8	72.3	37.3	73.8	34.1	74.6	36.2	71.5	37.2	70.7
Very fine silt	Hydrometer	0.0039	8	29.1	97.5	26.1	97.7	25.3	97.6	22.6	96.4	20.7	95.3	23.1	94.6	22.3	93
Clay	Hydrometer	<0.0039	--	2.5	100	2.3	100	2.4	100	3.6	100	4.7	100	5.4	100	7	100

Sample ID				**BA1C01200921-23**		**BA1C01200925-27**		**BA1C01200929-31**		**BA1C01200933-35**		**BA1C01200937-39**		**BA1C01200941-43**		**BA1C01200945**	
Depth interval				**20-24 cm**		**24-28 cm**		**28-32 cm**		**32-36 cm**		**36-40 cm**		**40-44 cm**		**44-46 cm**	
Size classification	***Sieve number***	***Particle size*** **(mm)**	***Phi interval***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***
Medium pebble	3/8	9.5	-3.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small pebble	4	4.75	-2.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel	10	2	-1	0	0	0.03	0.03	0.01	0.01	0	0	0.1	0.1	0.1	0.1	0	0
Very coarse sand	18	1	0	0.02	0.02	0.03	0.06	0.01	0.03	0.03	0.03	0.1	0.2	0.08	0.18	0.03	0.03
Coarse sand	35	0.5	1	0.06	0.08	0.07	0.13	0.06	0.08	0.06	0.08	0.08	0.28	0.12	0.3	0.14	0.17
Medium sand	60	0.25	2	0.14	0.22	0.17	0.3	0.12	0.21	0.17	0.25	0.17	0.45	0.18	0.48	0.46	0.62
Fine sand	120	0.125	3	5.42	5.64	4	4.3	4.38	4.58	3.91	4.16	4.14	4.59	3.99	4.47	4.68	5.3
Very fine sand	200	0.075	3.75	17.54	23.18	20.85	25.15	23.99	28.58	21.85	26.01	21.83	26.42	23.87	28.34	23.42	28.72
Very fine sand	230	0.0625	4	11.82	35	11.55	36.7	10.22	38.8	11.39	37.4	10.98	37.4	11.66	40	11.28	40
Coarse silt	Hydrometer	0.0312	5	37.4	72.4	37.5	74.2	35.1	73.9	37.1	74.5	37.2	74.6	38.1	78.1	40.2	80.2
Very fine silt	Hydrometer	0.0039	8	22.4	94.8	22.7	96.9	22.5	96.4	23.2	97.7	23.1	97.7	19.8	97.9	17.3	97.5
Clay	Hydrometer	<0.0039	--	5.2	100	3.1	100	3.6	100	2.3	100	2.3	100	2.1	100	2.5	100

Notes
1. Grain size test method: ASTM D422, *Standard Test Method for Particle-Size Analysis of Soils*
2. Size classification is per the Wentworth Soil Classification System.

Table 18 - Particle Size Results for Sediment Core ID BA2C
Pre-Design Investigation
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				BA2C01200901		BA2C01200903		BA2C01200905		BA2C01200907		BA2C01200909-11		BA2C01200913-15		BA2C01200917-19		BA2C01200921-23		BA2C01200925-27		BA2C01200929-31	
Depth interval				0-2 cm		2-4 cm		4-6 cm		6-8 cm		8-12 cm		12-16 cm		16-20 cm		20-24 cm		24-28 cm		28-32 cm	
Size classification	*Sieve number*	*Particle size* (mm)	*Phi interval*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*
Medium pebble	3/8	9.5	-3.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small pebble	4	4.75	-2.25	0.47	0.47	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel	10	2	-1	0.33	0.79	0.31	0.32	0.17	0.17	0.3	0.3	0.17	0.17	0.22	0.22	0.15	0.15	0.56	0.56	0.42	0.42	0.76	0.76
Very coarse sand	18	1	0	0.33	1.12	0.36	0.67	0.59	0.77	0.44	0.74	0.4	0.56	0.54	0.76	0.47	0.62	0.53	1.09	0.71	1.13	1.54	2.3
Coarse sand	35	0.5	1	1.24	2.36	1.26	1.93	1.22	1.99	1.36	2.09	1.66	2.22	1.4	2.16	1.19	1.8	1.33	2.42	1.34	2.47	3.68	5.98
Medium sand	60	0.25	2	5.23	7.59	4.88	6.81	4.78	6.76	4.8	6.9	7.85	10.07	5.56	7.73	4.04	5.84	4.79	7.21	4.01	6.48	9.23	15.21
Fine sand	120	0.125	3	22.93	30.52	21.82	28.63	20.7	27.47	20.69	27.59	24.05	34.12	23.1	30.83	19.52	25.36	20.08	27.29	19.85	26.33	22.69	37.9
Very fine sand	200	0.075	3.75	23.68	54.19	23.35	51.98	23.54	51.01	24.36	51.94	16.86	50.98	18.04	48.87	19.91	45.27	17.71	45	17.1	43.43	18.71	56.62
Very fine sand	230	0.0625	4	4.71	58.9	4.82	56.8	4.89	55.9	4.46	56.4	3.92	54.9	4.73	53.6	4.43	49.7	5.3	50.3	5.17	48.6	4.58	61.2
Coarse silt	Hydrometer	0.0312	5	17	75.9	17.5	74.3	17.6	73.5	16.8	73.2	14.6	69.5	17.1	70.7	16.7	66.4	19	69.3	19	67.6	14.3	75.5
Very fine silt	Hydrometer	0.0039	8	19.9	95.8	22.4	96.7	23.6	97.1	23.6	96.8	23.4	92.9	22.3	93	27	93.4	24	93.3	25.5	93.1	18	93.5
Clay	Hydrometer	<0.0039	--	4.2	100	3.3	100	2.9	100	3.2	100	7.1	100	7	100	6.6	100	6.7	100	6.9	100	6.5	100

Sample ID				BA2C01200933-35		BA2C01200937-39		BA2C01200941-43		BA2C01200945-47		BA2C01200949-51		BA2C01200953-55		BA2C01200957-59		BA2C01200961-63		BA2C01200965-67	
Depth interval				32-36 cm		36-40 cm		40-44 cm		44-48 cm		48-52 cm		52-56 cm		56-60 cm		60-64 cm		64-68 cm	
Size classification	*Sieve number*	*Particle size* (mm)	*Phi interval*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*
Medium pebble	3/8	9.5	-3.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small pebble	4	4.75	-2.25	0.71	0.71	0.13	0.13	0	0	0.08	0.08	0	0	0.44	0.44	0	0	0	0	0	0
Gravel	10	2	-1	1.31	2.03	1.06	1.19	0.6	0.6	0.56	0.65	0.36	0.36	0.51	0.95	0.24	0.24	0.69	0.69	0.58	0.58
Very coarse sand	18	1	0	1.18	3.21	0.78	1.97	1.05	1.65	0.76	1.4	0.69	1.05	0.95	1.91	0.69	0.93	0.64	1.33	0.86	1.44
Coarse sand	35	0.5	1	2.57	5.78	2.18	4.15	2.27	3.92	2.02	3.43	1.69	2.74	2.43	4.34	1.83	2.76	1.67	3	1.86	3.3
Medium sand	60	0.25	2	6.18	11.96	5.87	10.02	5.81	9.73	6.3	9.73	7.78	10.52	7.4	11.74	6.14	8.9	5.75	8.75	6.25	9.55
Fine sand	120	0.125	3	23.29	35.25	23.34	33.35	27.45	37.19	24.67	34.4	24.16	34.68	27.36	39.1	24.19	33.09	23.46	32.21	23.9	33.45
Very fine sand	200	0.075	3.75	19.01	54.25	21.14	54.49	19.84	57.03	23.72	58.12	20.53	55.21	21.05	60.15	21.29	54.37	22.43	54.64	22.58	56.03
Very fine sand	230	0.0625	4	5.45	59.7	5.01	59.5	4.37	61.4	5.38	63.5	5.79	61	3.65	63.8	5.43	59.8	5.86	60.5	5.77	61.8
Coarse silt	Hydrometer	0.0312	5	17.3	77	16.7	76.2	14.2	75.6	17.1	80.6	18.4	79.4	12.7	76.5	16.1	75.9	19	79.5	17.5	79.3
Very fine silt	Hydrometer	0.0039	8	16.7	93.7	17.8	94	18.1	93.7	13.3	93.9	14.8	94.2	17	93.5	17.6	93.5	14.7	94.2	14.6	93.9
Clay	Hydrometer	<0.0039	--	6.3	100	6	100	6.3	100	6.1	100	5.8	100	6.5	100	6.5	100	5.8	100	6.1	100

Notes
1. Grain size test method: ASTM D422, *Standard Test Method for Particle-Size Analysis of Soils*
2. Size classification is per the Wentworth Soil Classification System.

Table 19 - Particle Size Results for Sediment Core ID BA3C
Pre-Design Investigation
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				BA3C01200901		BA3C01200903		BA3C01200905		BA3C01200907		BA3C01200909-11		BA3C01200913-15		BA3C01200917-19		BA3C01200921-23	
Depth interval				0-2 cm		2-4 cm		4-6 cm		6-8 cm		8-12 cm		12-16 cm		16-20 cm		20-24 cm	
Size classification	*Sieve number*	*Particle size* (mm)	*Phi interval*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*
Medium pebble	3/8	9.5	-3.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small pebble	4	4.75	-2.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel	10	2	-1	0	0	0	0	0.08	0.08	0.05	0.05	0.03	0.03	0.08	0.08	0.19	0.19	0.19	0.19
Very coarse sand	18	1	0	0.04	0.04	0.27	0.27	0.1	0.18	0.08	0.13	0.17	0.2	0.22	0.3	0.21	0.4	0.21	0.4
Coarse sand	35	0.5	1	0.25	0.29	0.59	0.86	0.51	0.69	0.54	0.67	0.5	0.7	0.7	1	0.8	1.2	0.7	1.1
Medium sand	60	0.25	2	1.85	2.14	3.03	3.89	3.01	3.7	3.35	4.02	2.46	3.16	3.02	4.02	3.13	4.33	2.37	3.47
Fine sand	120	0.125	3	12.5	14.64	14.36	18.24	14.22	17.92	15.51	19.53	14.64	17.8	14.68	18.7	15.67	20	12.23	15.7
Very fine sand	200	0.075	3.75	19.4	34.05	18.6	36.84	19.65	37.56	19.28	38.81	18.73	36.53	19.23	37.93	19.05	39.05	16.32	32.02
Very fine sand	230	0.0625	4	6.45	40.5	6.06	42.9	6.14	43.7	5.99	44.8	5.37	41.9	5.47	43.4	5.15	44.2	6.98	39
Coarse silt	Hydrometer	0.0312	5	24.5	65	22.7	65.6	22.2	65.9	21.9	66.7	20	61.9	19.8	63.2	19.2	63.4	25.3	64.3
Very fine silt	Hydrometer	0.0039	8	30.7	95.7	31.1	96.7	31.7	97.6	30.6	97.3	31	92.9	31	94.2	31.5	94.9	30.8	95.1
Clay	Hydrometer	<0.0039	--	4.3	100	3.3	100	2.4	100	2.7	100	7.1	100	5.8	100	5.1	100	4.9	100

Sample ID				BA3C01200925-27		BA3C01200929-31		BA3C01200933-35		BA3C01200937-39		BA3C01200941-43		BA3C01200945-47		BA3C01200949-51		BA3C01200953-55		BA4C01200961-63	
Depth interval				24-28 cm		28-32 cm		32-36 cm		36-40 cm		40-44 cm		44-48 cm		48-52 cm		52-56 cm		60-64 cm	
Size classification	*Sieve number*	*Particle size* (mm)	*Phi interval*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*
Medium pebble	3/8	9.5	-3.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small pebble	4	4.75	-2.25	0	0	0	0	0.19	0.19	0	0	0	0	0	0	0	0	0.86	0.86	0	0
Gravel	10	2	-1	0.11	0.11	0.15	0.15	0.6	0.79	0.22	0.22	0.2	0.2	0.35	0.35	0.32	0.32	0.4	1.27	0	0
Very coarse sand	18	1	0	0.29	0.4	0.35	0.5	0.51	1.3	0.38	0.6	0.5	0.7	0.35	0.7	0.38	0.7	0.33	1.6	0.1	0.1
Coarse sand	35	0.5	1	1	1.4	0.9	1.4	1.2	2.5	1.1	1.7	1.3	2	1.1	1.8	1.1	1.8	1.1	2.7	0.06	0.16
Medium sand	60	0.25	2	3.02	4.42	3.08	4.48	3.25	5.75	3.64	5.34	3.92	5.92	3.61	5.41	3.46	5.26	3.86	6.56	0.09	0.24
Fine sand	120	0.125	3	14.28	18.7	13.82	18.3	15.95	21.7	16.86	22.2	18.38	24.3	16.69	22.1	18.24	23.5	18.14	24.7	1.33	1.58
Very fine sand	200	0.075	3.75	16.86	35.56	17.94	36.24	18.59	40.29	21.68	43.88	22.34	46.64	21.69	43.79	22.67	46.17	23.41	48.11	13.27	14.84
Very fine sand	230	0.0625	4	5.74	41.3	5.36	41.6	7.11	47.4	6.72	50.6	6.76	53.4	6.41	50.2	7.23	53.4	7.29	55.4	12.76	27.6
Coarse silt	Hydrometer	0.0312	5	20.8	62.1	20.7	62.3	24.4	71.8	22.7	73.3	21.9	75.3	21.2	71.4	23.1	76.5	23.2	78.6	42.7	70.3
Very fine silt	Hydrometer	0.0039	8	32.6	94.7	30.6	92.9	22.1	93.9	20.4	93.7	18	93.3	22.5	93.9	16.5	93	14.9	93.5	26.2	96.5
Clay	Hydrometer	<0.0039	--	5.3	100	7.1	100	6.1	100	6.3	100	6.7	100	6.1	100	7	100	6.5	100	3.5	100

Notes
1. Grain size test method: ASTM D422, *Standard Test Method for Particle-Size Analysis of Soils*
2. Size classification is per the Wentworth Soil Classification System.

Table 20 - Particle Size Results for Sediment Core ID BA4C
Pre-Design Investigation
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				BA4C01200901		BA4C01200903		BA4C01200905		BA4C01200907		BA4C01200909-11		BA4C01200913-15		BA4C01200917-19		BA4C01200921-23		BA4C01200925-27		BA4C01200929-31	
Depth interval				0-2 cm		2-4 cm		4-6 cm		6-8 cm		8-12 cm		12-16 cm		16-20 cm		20-24 cm		24-28 cm		28-32 cm	
Size classification	*Sieve number*	*Particle size (mm)*	*Phi interval*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*
Medium pebble	3/8	9.5	-3.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small pebble	4	4.75	-2.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel	10	2	-1	0	0	0.02	0.02	0	0	0	0	0.02	0.02	0	0	0	0	0.1	0.1	0.1	0.1	0.08	0.08
Very coarse sand	18	1	0	0.03	0.03	0.04	0.06	0.04	0.04	0	0	0	0.02	0	0	0	0	0.15	0.25	0.2	0.29	0.19	0.27
Coarse sand	35	0.5	1	0.07	0.1	0.04	0.1	0.02	0.07	0.02	0.02	0.02	0.03	0.03	0.03	0.05	0.05	0.05	0.3	0.06	0.35	0.13	0.4
Medium sand	60	0.25	2	0.24	0.34	0.51	0.61	0.56	0.62	0.97	0.99	0.07	0.1	0.13	0.17	0.11	0.16	0.2	0.5	0.2	0.55	0.63	1.03
Fine sand	120	0.125	3	1.51	1.85	1.61	2.23	1.85	2.47	2.42	3.41	0.77	0.87	1.33	1.5	0.73	0.89	1.15	1.66	1.37	1.91	2.48	3.51
Very fine sand	200	0.075	3.75	9.33	11.19	9.69	11.91	10	12.47	10.08	13.49	9.8	10.67	9.99	11.49	8.93	9.83	9.43	11.09	7.39	9.31	6.15	9.66
Very fine sand	230	0.0625	4	8.61	19.8	9.29	21.2	9.73	22.2	9.41	22.9	8.83	19.5	8.71	20.2	9.47	19.3	9.71	20.8	7.09	16.4	10.04	19.7
Coarse silt	Hydrometer	0.0312	5	32.4	52.2	34.9	56.1	35.8	58	35	57.9	34.4	53.9	33.2	53.4	35.4	54.7	35	55.8	31.3	47.7	40.4	60.1
Very fine silt	Hydrometer	0.0039	8	40.6	92.8	39.6	95.7	38.3	96.3	37.8	95.7	40.6	94.5	40.4	93.8	40.2	94.9	39	94.8	44.1	91.8	33.1	93.2
Clay	Hydrometer	<0.0039	--	7.2	100	4.3	100	3.7	100	4.3	100	5.5	100	6.2	100	5.1	100	5.2	100	8.2	100	6.8	100

Sample ID				BA4C01200933-35		BA4C01200937-39		BA4C01200941-43		BA4C01200945-47		BA4C01200949-51		BA4C01200953-55		BA4C01200957-59		BA4C01200961-63		BA4C01200965-67		BA4C01200969-71	
Depth interval				32-36 cm		36-40 cm		40-44 cm		44-48 cm		48-52 cm		52-56 cm		56-60 cm		60-64 cm		64-68 cm		68-72 cm	
Size classification	*Sieve number*	*Particle size (mm)*	*Phi interval*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*
Medium pebble	3/8	9.5	-3.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small pebble	4	4.75	-2.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel	10	2	-1	0.18	0.18	0	0	0.39	0.39	0.21	0.21	0.01	0.01	0	0	0.15	0.15	0	0	0	0	0	0
Very coarse sand	18	1	0	0.07	0.25	0	0	0.06	0.45	0.03	0.24	0.01	0.03	0	0	0.06	0.21	0.1	0.1	0	0	0.03	0.03
Coarse sand	35	0.5	1	0.05	0.31	0.02	0.02	0.09	0.53	0.06	0.3	0.03	0.06	0.01	0.01	0.03	0.24	0.06	0.16	0.04	0.04	0.08	0.11
Medium sand	60	0.25	2	0.77	1.08	0.17	0.19	0.16	0.7	0.08	0.38	0.09	0.15	0.09	0.1	0.1	0.34	0.09	0.24	0.12	0.16	0.08	0.2
Fine sand	120	0.125	3	2.7	3.78	1.97	2.16	1.19	1.89	1.23	1.61	0.99	1.14	1.11	1.21	1.08	1.42	1.33	1.58	1.08	1.24	1.16	1.36
Very fine sand	200	0.075	3.75	5.82	9.6	12.72	14.87	13.16	15.05	12.04	13.65	11.12	12.26	12.15	13.36	14.22	15.64	13.27	14.84	13.3	14.53	12.33	13.69
Very fine sand	230	0.0625	4	11.4	21	9.73	24.6	11.05	26.1	10.35	24	10.54	22.8	10.44	23.8	10.86	26.5	12.76	27.6	11.47	26	12.71	26.4
Coarse silt	Hydrometer	0.0312	5	42.8	63.8	36.2	60.8	39	65.1	36.6	60.6	37.2	60	36.9	60.7	38.8	65.3	42.7	70.3	39	65	42.7	69.1
Very fine silt	Hydrometer	0.0039	8	29.4	93.2	31.3	92.1	29.8	94.9	34.3	94.9	35.1	95.1	34.9	95.6	29.7	95	26.2	96.5	30.9	95.9	26.9	96
Clay	Hydrometer	<0.0039	--	6.8	100	7.9	100	5.1	100	5.1	100	4.9	100	4.4	100	5	100	3.5	100	4.1	100	4	100

Notes
1. Grain size test method: ASTM D422, *Standard Test Method for Particle-Size Analysis of Soils*
2. Size classification is per the Wentworth Soil Classification System.

Table 21 - Particle Size Results for Sediment Core ID BA4CR
Pre-Design Investigation
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				BA4C02200901		BA4C02200903		BA4C02200905		BA4C02200907		BA4C02200909		BA4C02200913-15		BA4C02200917-19		BA4C02200921-23		BA4C02200925-27		BA4C02200929-31	
Depth interval				0-2 cm		2-4 cm		4-6 cm		6-8 cm		8-12 cm		12-16 cm		16-20 cm		20-24 cm		24-28 cm		28-32 cm	
Size classification	*Sieve number*	*Particle size* (mm)	*Phi interval*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*
Medium pebble	3/8	9.5	-3.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small pebble	4	4.75	-2.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel	10	2	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Very coarse sand	18	1	0	0	0	0.02	0.02	0	0	0	0	0	0	0.03	0.03	0	0	0	0	0	0	0	0
Coarse sand	35	0.5	1	0.08	0.08	0.07	0.1	0.07	0.07	0.05	0.05	0	0	0.03	0.07	0.02	0.02	0	0	0.02	0.02	0	0
Medium sand	60	0.25	2	1.04	1.12	0.96	1.05	1.57	1.64	1.69	1.73	0.08	0.08	0.05	0.12	0.08	0.09	0.05	0.05	0.1	0.11	0.05	0.05
Fine sand	120	0.125	3	2.16	3.29	2.08	3.14	2.34	3.98	2.59	4.32	1.08	1.16	0.91	1.03	0.77	0.86	0.66	0.71	0.82	0.93	1.09	1.15
Very fine sand	200	0.075	3.75	10.15	13.44	10.34	13.48	10.12	14.1	10.46	14.78	9.53	10.7	9.26	10.29	9.22	10.09	7.92	8.63	9.11	10.04	9.39	10.53
Very fine sand	230	0.0625	4	10.06	23.5	10.22	23.7	11	25.1	11.72	26.5	9.4	20.1	9.91	20.2	10.11	20.2	11.07	19.7	10.46	20.5	9.47	20
Coarse silt	Hydrometer	0.0312	5	35.8	59.3	37.2	60.9	38.7	63.8	40.5	67	35.7	55.8	36.6	56.8	38.6	58.8	40.6	60.3	38.6	59.1	36.3	56.3
Very fine silt	Hydrometer	0.0039	8	35.7	95	34.1	95	33.1	96.9	29.3	96.3	39.6	95.4	36.1	92.9	36.3	95.1	34.6	94.9	35.8	94.9	37.8	94.1
Clay	Hydrometer	<0.0039	--	5	100	5	100	3.1	100	3.7	100	4.6	100	7.1	100	4.9	100	5.1	100	5.1	100	5.9	100

Sample ID				BA4C02200933-35		BA4C02200937-39		BA4C02200941-43		BA4C02200945-47		BA4C02200949-51		BA4C02200953-55		BA4C02200957-59		BA4C02200961-63		BA4C02200965-67		BA4C02200969-71	
Depth interval				32-36 cm		36-40 cm		40-44 cm		44-48 cm		48-52 cm		52-56 cm		56-60 cm		60-64 cm		64-68 cm		68-72 cm	
Size classification	*Sieve number*	*Particle size* (mm)	*Phi interval*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*
Medium pebble	3/8	9.5	-3.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small pebble	4	4.75	-2.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.95	0.95	0	0
Gravel	10	2	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.09	1.04	0.07	0.07
Very coarse sand	18	1	0	0	0	0	0	0.02	0.02	0	0	0	0	0	0	0	0	0	0	0.16	1.2	0.06	0.12
Coarse sand	35	0.5	1	0	0	0.02	0.02	0.02	0.03	0.04	0.04	0.03	0.03	0.04	0.04	0.02	0.02	0.1	0.1	0.17	1.37	0.04	0.17
Medium sand	60	0.25	2	0.52	0.52	0.13	0.15	0.11	0.14	0.11	0.15	0.04	0.07	0.07	0.11	0.06	0.08	0.2	0.3	0.07	1.45	0.1	0.27
Fine sand	120	0.125	3	2.01	2.54	1.21	1.36	0.93	1.07	0.85	1	0.84	0.91	0.9	1.01	0.99	1.07	3.9	4.2	3.35	4.8	1.04	1.31
Very fine sand	200	0.075	3.75	5.92	8.46	11.22	12.58	12.74	13.81	12.29	13.29	12.12	13.02	10.76	11.77	11.98	13.05	9.73	13.93	8.91	13.71	11.09	12.4
Very fine sand	230	0.0625	4	13.24	21.7	11.12	23.7	11.09	24.9	11.31	24.6	11.98	25	11.73	23.5	10.25	23.3	13.57	27.5	13.09	26.8	4.5	16.9
Coarse silt	Hydrometer	0.0312	5	47.9	69.6	37.5	61.2	39.2	64.1	42.7	67.3	40.3	65.3	41	64.5	36.7	60	42.6	70.1	43.5	70.3	55.5	72.4
Very fine silt	Hydrometer	0.0039	8	22.6	92.2	29.8	91	30.6	94.7	28	95.3	29.8	95.1	30.6	95.1	34.6	94.6	25.7	95.8	25.7	96	24.1	96.5
Clay	Hydrometer	<0.0039	--	7.8	100	9	100	5.3	100	4.7	100	4.9	100	4.9	100	5.4	100	4.2	100	4	100	3.5	100

Notes
1. Grain size test method: ASTM D422, *Standard Test Method for Particle-Size Analysis of Soils*
2. Size classification is per the Wentworth Soil Classification System.

Table 22 - Particle Size Results for Sediment Core ID BA5C
Pre-Design Investigation
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				BA5C01200901		BA5C01200903		BA5C01200905		BA5C01200907		BA5C01200909-11		BA5C01200913-15		BA5C01200917-19		BA5C01200921-23		BA5C01200925-27		BA5C01200929-31		BA5C01200933-35	
Depth interval				0-2 cm		2-4 cm		4-6 cm		6-8 cm		8-12 cm		12-16 cm		16-20 cm		20-24 cm		24-28 cm		28-32 cm		32-36 cm	
Size classification	*Sieve number*	*Particle size* (mm)	*Phi interval*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*
Medium pebble	3/8	9.5	-3.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small pebble	4	4.75	-2.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel	10	2	-1	0.02	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0.02	0.02	0	0	0	0	0	0
Very coarse sand	18	1	0	0.1	0.12	0	0	0.05	0.05	0.02	0.02	0	0	0	0	0	0	0.17	0.19	0	0	0	0	0.02	0.02
Coarse sand	35	0.5	1	0.29	0.41	0.03	0.03	0.42	0.47	0.13	0.15	0.05	0.05	0.03	0.03	0.05	0.05	0.1	0.29	0.08	0.08	0.08	0.08	0.04	0.06
Medium sand	60	0.25	2	0.96	1.37	1.55	1.57	5.89	6.36	3	3.14	0.28	0.33	0.27	0.3	0.42	0.47	0.77	1.05	0.67	0.75	0.58	0.66	0.3	0.37
Fine sand	120	0.125	3	2.21	3.58	3.93	5.51	7.65	14.01	4.61	7.75	1.85	2.18	1.84	2.14	2.83	3.3	4.74	5.8	4.64	5.39	3.43	4.09	1.89	2.26
Very fine sand	200	0.075	3.75	9.1	12.67	9.57	15.08	4.36	18.38	10.77	18.53	7	9.18	5.91	8.05	6.32	9.62	6.01	11.81	7	12.39	5.69	9.77	4.51	6.77
Very fine sand	230	0.0625	4	9.03	21.7	8.32	23.4	7.82	26.2	8.27	26.8	7.02	16.2	6.45	14.5	5.98	15.6	5.79	17.6	7.31	19.7	7.53	17.3	7.53	14.3
Coarse silt	Hydrometer	0.0312	5	34.2	55.9	31.2	54.6	29.4	55.6	31.3	58.1	33.2	49.4	28.4	42.9	33	48.6	38.7	56.3	33.7	53.4	40.7	58	45.2	59.5
Very fine silt	Hydrometer	0.0039	8	28.4	84.3	27.4	82	27	82.6	27.9	86	35.7	85.1	41.3	84.2	29.3	77.9	20.3	76.6	22.2	75.6	23.8	81.8	20.4	79.9
Clay	Hydrometer	<0.0039	--	15.7	100	18	100	17.4	100	14	100	14.9	100	15.8	100	22.1	100	23.4	100	24.4	100	18.2	100	20.1	100

Sample ID				BA5C01200937-39		BA5C01200941-43		BA5C01200945-47		BA5C01200949-51		BA5C01200953-55		BA5C01200957-59		BA5C01200961-63		BA5C01200965-67		BA5C01200969-71		BA5C01200973-75		BA5C01200977-79	
Depth interval				36-40 cm		40-44 cm		44-48 cm		48-52 cm		52-56 cm		56-60 cm		60-64 cm		64-68 cm		68-72 cm		72-76 cm		76-80 cm	
Size classification	*Sieve number*	*Particle size* (mm)	*Phi interval*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*
Medium pebble	3/8	9.5	-3.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small pebble	4	4.75	-2.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel	10	2	-1	0	0	0	0	0.08	0.08	0.02	0.02	0	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Very coarse sand	18	1	0	0	0	0.02	0.02	0.01	0.1	0.03	0.05	0.05	0.05	0.05	0.05	0	0	0	0.01	0.02	0.03	0.01	0.02	0.02	0.03
Coarse sand	35	0.5	1	0.07	0.07	0	0.02	0.07	0.16	0.03	0.09	0.07	0.12	0.05	0.11	0.06	0.06	0.01	0.02	0.03	0.06	0.03	0.05	0.05	0.07
Medium sand	60	0.25	2	0.31	0.38	0.19	0.21	0.15	0.31	0.09	0.17	0.11	0.23	0.12	0.22	0.19	0.25	0.09	0.11	0.08	0.14	0.11	0.16	0.1	0.17
Fine sand	120	0.125	3	1.76	2.14	0.9	1.11	0.6	0.91	0.45	0.62	0.54	0.76	0.54	0.76	0.59	0.84	0.53	0.65	0.54	0.68	0.5	0.66	0.77	0.94
Very fine sand	200	0.075	3.75	4.6	6.74	5.71	6.82	9.36	10.27	9.02	9.64	9.77	10.54	8.62	9.39	8.94	9.79	10.07	10.71	11.32	11.99	12.09	12.74	12.56	13.5
Very fine sand	230	0.0625	4	8.26	15	7.28	14.1	7.33	17.6	7.76	17.4	8.06	18.6	8.61	18	6.81	16.6	8.09	18.8	9.11	21.1	9.46	22.2	10	23.5
Coarse silt	Hydrometer	0.0312	5	31.3	46.3	34.1	48.2	28.4	46	29.4	46.8	30.5	49.1	32.8	50.8	26	42.6	30.6	49.4	34.6	55.7	36.2	58.4	38.1	61.6
Very fine silt	Hydrometer	0.0039	8	23.6	69.9	34.4	82.6	42.4	88.4	43.8	90.6	40.9	90	38	88.8	46.6	89.2	41	90.4	36.1	91.8	32.6	91	30.7	92.3
Clay	Hydrometer	<0.0039	--	30.1	100	17.4	100	11.6	100	9.4	100	10	100	11.2	100	10.8	100	9.6	100	8.2	100	9	100	7.7	100

Notes
1. Grain size test method: ASTM D422, *Standard Test Method for Particle-Size Analysis of Soils*
2. Size classification is per the Wentworth Soil Classification System.

Table 23 - Particle Size Results for Sediment Core ID BA6C
Pre-Design Investigation
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				BA6C01200901		BA6C01200903		BA6C01200905		BA6C01200907		BA6C01200909-11		BA6C01200913-15		BA6C01200917-19		BA6C01200921-23		BA6C01200925-27		BA6C01200929-31	
Depth interval				0-2 cm		2-4 cm		4-6 cm		6-8 cm		8-12 cm		12-16 cm		16-20 cm		20-24 cm		24-28 cm		28-32 cm	
Size classification	*Sieve number*	*Particle size* (mm)	*Phi interval*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*
Medium pebble	3/8	9.5	-3.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small pebble	4	4.75	-2.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel	10	2	-1	0	0	0.68	0.68	1	1	0.26	0.26	0.04	0.04	0.02	0.02	0	0	0	0	0	0	0	0
Very coarse sand	18	1	0	0	0	0.1	0.78	0.24	1.23	0.26	0.52	0.04	0.09	0	0.02	0.06	0.06	0.04	0.04	0	0	0	0
Coarse sand	35	0.5	1	0	0	0.12	0.9	0.26	1.5	0.39	0.91	0.09	0.17	0.05	0.07	0.13	0.18	0.06	0.1	0.04	0.04	0.32	0.32
Medium sand	60	0.25	2	0.63	0.63	0.88	1.79	2.26	3.76	2.6	3.52	0.27	0.45	0.05	0.12	0.75	0.94	0.98	1.08	1.12	1.15	0.71	1.03
Fine sand	120	0.125	3	3.16	3.79	3.43	5.22	4.31	8.06	4.77	8.28	2.07	2.52	3.05	3.17	3.89	4.83	5.86	6.94	5.99	7.14	5.33	6.36
Very fine sand	200	0.075	3.75	11.94	15.73	11.98	17.2	12.21	20.27	13.05	21.33	9.08	11.6	8.59	11.76	8.21	13.04	6.43	13.37	6.25	13.39	7.48	13.85
Very fine sand	230	0.0625	4	6.87	22.6	8.9	26.1	8.03	28.3	7.87	29.2	7	18.6	8.44	20.2	7.06	20.1	7.33	20.7	8.81	22.2	5.05	18.9
Coarse silt	Hydrometer	0.0312	5	26.5	49.1	32.5	58.6	29.5	57.8	29	58.2	26.8	45.4	35.2	55.4	28	48.1	30.4	51.1	34.1	56.3	24.3	43.2
Very fine silt	Hydrometer	0.0039	8	24.9	74	28.2	86.8	25.1	82.9	24.7	82.9	42.4	87.8	31.7	87.1	36.8	84.9	32.8	83.9	27.8	84.1	38.7	81.9
Clay	Hydrometer	<0.0039	--	26	100	13.2	100	17.1	100	17.1	100	12.2	100	12.9	100	15.1	100	16.1	100	15.9	100	18.1	100

Sample ID				BA6C01200933-35		BA6C01200937-39		BA6C01200941-43		BA6C01200945-47		BA6C01200949-51		BA6C01200953-55		BA6C01200957-59		BA6C01200961-63		BA6C01200965-67		BA6C01200969-71	
Depth interval				32-36 cm		36-40 cm		40-44 cm		44-48 cm		48-52 cm		52-56 cm		56-60 cm		60-64 cm		64-68 cm		68-72 cm	
Size classification	*Sieve number*	*Particle size* (mm)	*Phi interval*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*
Medium pebble	3/8	9.5	-3.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small pebble	4	4.75	-2.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel	10	2	-1	0	0	0.07	0.07	0.02	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Very coarse sand	18	1	0	0.04	0.04	0.11	0.18	0	0.02	0.02	0.02	0.06	0.06	0	0	0	0	0	0	0.01	0.01	0.01	0.01
Coarse sand	35	0.5	1	0.06	0.11	0.11	0.29	0.06	0.08	0.24	0.26	0.07	0.13	0.02	0.02	0.04	0.04	0.02	0.02	0.03	0.04	0	0.01
Medium sand	60	0.25	2	0.36	0.47	2.49	2.79	0.41	0.49	0.24	0.5	0.27	0.39	0.22	0.24	0.14	0.18	0.15	0.17	0.13	0.17	0.11	0.12
Fine sand	120	0.125	3	2.37	2.84	1.28	4.07	1.49	1.98	0.91	1.41	1.31	1.7	0.94	1.19	0.77	0.96	0.59	0.76	0.73	0.9	0.67	0.79
Very fine sand	200	0.075	3.75	6.15	8.99	3.44	7.51	4.29	6.27	7.1	8.51	11.62	13.33	14.3	15.49	11.63	12.59	12.03	12.78	11.98	12.88	13.33	14.12
Very fine sand	230	0.0625	4	10.01	19	6.09	13.6	6.83	13.1	5.59	14.1	6.97	20.3	6.01	21.5	7.41	20	7.62	20.4	7.52	20.4	6.58	20.7
Coarse silt	Hydrometer	0.0312	5	37.9	56.9	29.4	43	32.6	45.7	21.5	35.6	26.8	47.1	22.8	44.3	28.3	48.3	29.2	49.6	28.7	49.1	25.2	45.9
Very fine silt	Hydrometer	0.0039	8	25.4	82.3	37.8	80.8	36.4	82.1	51.4	87	42	89.1	46.3	90.6	43.9	92.2	43	92.6	43.1	92.2	45.2	91.1
Clay	Hydrometer	<0.0039	--	17.7	100	19.2	100	17.9	100	13	100	10.9	100	9.4	100	7.8	100	7.4	100	7.8	100	8.9	100

Notes
1. Grain size test method: ASTM D422, *Standard Test Method for Particle-Size Analysis of Soils*
2. Size classification is per the Wentworth Soil Classification System.

Table 24 - Particle Size Results for Sediment Core ID BA7C
Pre-Design Investigation
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				BA7C01200901		BA7C01200903		BA7C01200905		BA7C01200907		BA7C01200909-11		BA7C01200913-15		BA7C01200917-19		BA7C01200921-23	
Depth interval				0-2 cm		2-4 cm		4-6 cm		6-8 cm		8-12 cm		12-16 cm		16-20 cm		20-24 cm	
Size classification	*Sieve number*	*Particle size* (mm)	*Phi interval*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*
Medium pebble	3/8	9.5	-3.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small pebble	4	4.75	-2.25	0	0	0	0	0	0	2.49	2.49	0	0	0	0	0	0	0	0
Gravel	10	2	-1	0.04	0.04	0.05	0.05	1.37	1.37	2.25	4.74	0.58	0.58	0.08	0.08	0	0	0	0
Very coarse sand	18	1	0	0.02	0.06	0.06	0.11	0.73	2.1	1.46	6.2	0.32	0.9	0.05	0.13	0.07	0.07	0.03	0.03
Coarse sand	35	0.5	1	0.43	0.49	0.37	0.47	1.73	3.83	2.46	8.66	0.86	1.76	0.22	0.35	0.14	0.21	0.43	0.47
Medium sand	60	0.25	2	9.83	10.33	10.45	10.93	22.11	25.94	23.31	31.97	11.59	13.36	2.23	2.58	1.95	2.16	2.61	3.08
Fine sand	120	0.125	3	25.53	35.86	27.74	38.67	34.28	60.22	40.33	72.3	23.96	37.32	5.34	7.92	5.21	7.37	6.93	10.01
Very fine sand	200	0.075	3.75	12.43	48.28	12.23	50.89	9.78	70	11.06	83.35	10.9	48.22	7.36	15.28	6.09	13.46	6.07	16.08
Very fine sand	230	0.0625	4	4.12	52.4	5.01	55.9	1.7	71.7	0.45	83.8	4.88	53.1	6.12	21.4	6.74	20.2	8.92	25
Coarse silt	Hydrometer	0.0312	5	15.4	67.8	17.8	73.7	6.2	77.9	1.6	85.4	18.4	71.5	24.7	46.1	32.8	53	38	63
Very fine silt	Hydrometer	0.0039	8	17.5	85.3	14.8	88.5	11.6	89.5	3.9	89.3	18.7	90.2	39.7	85.8	30.4	83.4	19.8	82.8
Clay	Hydrometer	<0.0039	--	14.7	100	11.5	100	10.5	100	10.7	100	9.8	100	14.2	100	16.6	100	17.2	100

Sample ID				BA7C01200925-27		BA7C01200929-31		BA7C01200933-35		BA7C01200937-39		BA7C01200941-43		BA7C01200945-47		BA7C01200949	
Depth interval				24-28 cm		28-32 cm		32-36 cm		36-40 cm		40-44 cm		44-48 cm		48-50 cm	
Size classification	*Sieve number*	*Particle size* (mm)	*Phi interval*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*
Medium pebble	3/8	9.5	-3.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small pebble	4	4.75	-2.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel	10	2	-1	0.41	0.41	0.59	0.59	0	0	0	0	0	0	0.06	0.06	0	0
Very coarse sand	18	1	0	0.06	0.47	0.14	0.73	0.08	0.08	0.05	0.05	0.04	0.04	0.06	0.12	0.04	0.04
Coarse sand	35	0.5	1	0.37	0.83	0.5	1.23	0.31	0.39	0.39	0.44	0.34	0.38	0.18	0.31	0.11	0.15
Medium sand	60	0.25	2	4.17	5	3.89	5.12	1.2	1.6	1.11	1.56	0.97	1.35	0.31	0.61	0.59	0.74
Fine sand	120	0.125	3	7.18	12.18	8.21	13.34	2.99	4.58	3.09	4.64	2.62	3.98	1.15	1.76	2.78	3.52
Very fine sand	200	0.075	3.75	4.35	16.53	4.66	17.99	3.01	7.59	3.18	7.82	4.17	8.15	6.63	8.39	12.42	15.94
Very fine sand	230	0.0625	4	9.97	26.5	6.41	24.4	3.01	10.6	6.38	14.2	8.65	16.8	3.21	11.6	9.76	25.7
Coarse silt	Hydrometer	0.0312	5	36.5	63	39.5	63.9	24	34.6	36.9	51.1	40.7	57.5	31.9	43.5	35.1	60.8
Very fine silt	Hydrometer	0.0039	8	16.1	79.1	16.8	80.7	43.9	78.5	24.4	75.5	22.3	79.8	36.7	80.2	24.4	85.2
Clay	Hydrometer	<0.0039	--	20.9	100	19.3	100	21.5	100	24.5	100	20.2	100	19.8	100	14.8	100

Notes
1. Grain size test method: ASTM D422, *Standard Test Method for Particle-Size Analysis of Soils*
2. Size classification is per the Wentworth Soil Classification System.

Table 25 - Particle Size Results for Sediment Core ID BA8C
Pre-Design Investigation
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				BA8C01200901		BA8C01200903		BA8C01200905		BA8C01200907		BA8C01200909-11		BA8C01200913-15		BA8C01200917-19		BA8C01200921-23		BA8C01200925-27		BA8C01200929-31	
Depth interval				0-2 cm		2-4 cm		4-6 cm		6-8 cm		8-12 cm		12-16 cm		16-20 cm		20-24 cm		24-28 cm		28-32 cm	
Size classification	*Sieve number*	*Particle size* (mm)	*Phi interval*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*
Medium pebble	3/8	9.5	-3.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small pebble	4	4.75	-2.25	1.39	1.39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.82	0.82
Gravel	10	2	-1	1.1	2.49	0.9	0.9	1.85	1.85	1.36	1.36	0.57	0.57	0.77	0.77	1.32	1.32	1.25	1.25	0.78	0.78	3.04	3.86
Very coarse sand	18	1	0	2.91	5.4	2.65	3.55	3.54	5.39	3.77	5.13	3.66	4.23	3.76	4.53	7.38	8.71	5.27	6.52	2.24	3.02	7.93	11.8
Coarse sand	35	0.5	1	5.03	10.43	4.94	8.49	8.65	14.04	7.4	12.52	10.06	14.29	6.3	10.83	6.94	15.65	9.33	15.85	5.49	8.51	10.38	22.17
Medium sand	60	0.25	2	11.93	22.36	14.96	23.44	20.03	34.07	19.75	32.28	18.84	33.13	9.7	20.54	13.7	29.35	13.65	29.5	6.89	15.4	13.62	35.8
Fine sand	120	0.125	3	10.72	33.08	13.5	36.94	15.66	49.73	13.57	45.85	9.83	42.96	6.76	27.3	8.82	38.16	10.39	39.9	4.94	20.34	7.57	43.37
Very fine sand	200	0.075	3.75	11.69	44.76	11.53	48.47	8.86	58.59	9.04	54.89	5.15	48.11	4.93	32.23	3.8	41.97	3.08	42.97	3.15	23.49	2.37	45.74
Very fine sand	230	0.0625	4	4.24	49	2.93	51.4	1.11	59.7	2.51	57.4	4.49	52.6	6.17	38.4	1.43	43.4	1.23	44.2	3.61	27.1	3.26	49
Coarse silt	Hydrometer	0.0312	5	15.7	64.7	12.3	63.7	6.4	66.1	10.3	67.7	21.6	74.2	28.8	67.2	17.5	60.9	14.2	58.4	25	52.1	12.5	61.5
Very fine silt	Hydrometer	0.0039	8	17.7	82.4	18.9	82.6	15.7	81.8	15.3	83	11.6	85.8	13.8	81	12.8	73.7	13.1	71.5	23.8	75.9	14.8	76.3
Clay	Hydrometer	<0.0039	--	17.6	100	17.4	100	18.2	100	17	100	14.2	100	19	100	26.3	100	28.5	100	24.1	100	23.7	100

Sample ID				BA8C01200933-35		BA8C01200937-39		BA8C01200941-43		BA8C01200945-47		BA8C01200949-51		BA8C01200953-55		BA8C01200957-59		BA8C01200961-63		BA8C01200965-67		BA8C01200969-71	
Depth interval				32-36 cm		36-40 cm		40-44 cm		44-48 cm		48-52 cm		52-56 cm		56-60 cm		60-64 cm		64-68 cm		68-72 cm	
Size classification	*Sieve number*	*Particle size* (mm)	*Phi interval*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*
Medium pebble	3/8	9.5	-3.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small pebble	4	4.75	-2.25	1.3	1.3	0.46	0.46	0.19	0.19	0.61	0.61	0.6	0.6	0	0	0	0	0	0	0	0	0	0
Gravel	10	2	-1	3.17	4.47	3.69	4.15	2.09	2.28	1.03	1.63	2.29	2.9	0.09	0.09	0.11	0.11	0.06	0.06	0.01	0.01	0	0
Very coarse sand	18	1	0	11.77	16.23	9.23	13.37	8.12	10.39	5.01	6.64	7.05	9.95	0.44	0.53	0.63	0.74	0.05	0.1	0.03	0.04	0.02	0.02
Coarse sand	35	0.5	1	16.14	32.37	16.98	30.35	11.95	22.34	5.25	11.89	11.62	21.56	0.74	1.27	0.81	1.55	0.08	0.19	0.05	0.09	0.07	0.09
Medium sand	60	0.25	2	23.39	55.77	24.6	54.95	29.09	51.42	7.25	19.13	22.27	43.83	1.11	2.38	1.14	2.69	0.22	0.41	0.15	0.24	0.12	0.2
Fine sand	120	0.125	3	10	65.76	6.58	61.53	7.22	58.65	5.14	24.27	14.34	58.17	1.03	3.42	1.32	4.01	1.06	1.47	0.88	1.12	0.62	0.82
Very fine sand	200	0.075	3.75	2.29	68.05	1.8	63.33	1.9	60.54	3.39	27.66	3.69	61.87	7.2	10.62	12.66	16.67	10.62	12.09	12.78	13.9	11.84	12.66
Very fine sand	230	0.0625	4	0.15	68.2	3.47	66.8	0.76	61.3	8.34	36	1.33	63.2	7.08	17.7	6.73	23.4	7.91	20	8.1	22	7.94	20.6
Coarse silt	Hydrometer	0.0312	5	0.6	68.8	10.8	77.6	8.8	70.1	36.4	72.4	5.3	68.5	27.1	44.8	25.4	48.8	30.4	50.4	31	53	30.4	51
Very fine silt	Hydrometer	0.0039	8	8.6	77.4	6	83.6	12.5	82.6	11	83.4	9.4	77.9	43.6	88.4	43.1	91.9	41.6	92	38.8	91.8	40.8	91.8
Clay	Hydrometer	<0.0039	--	22.6	100	16.4	100	17.4	100	16.6	100	22.1	100	11.6	100	8.1	100	8	100	8.2	100	8.2	100

Notes
1. Grain size test method: ASTM D422, *Standard Test Method for Particle-Size Analysis of Soils*
2. Size classification is per the Wentworth Soil Classification System.

Table 26 - Particle Size Results for Sediment Core ID BA9C
Pre-Design Investigation
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				BA9C01200901		BA9C01200903		BA9C01200905		BA9C01200907		BA9C01200909-11		BA9C01200913-15		BA9C01200917-19		BA9C01200921-23		BA9C01200925-27	
Depth interval				0-2 cm		2-4 cm		4-6 cm		6-8 cm		8-12 cm		12-16 cm		16-20 cm		20-24 cm		24-28 cm	
Size classification	*Sieve number*	*Particle size* (mm)	*Phi interval*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*
Medium pebble	3/8	9.5	-3.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small pebble	4	4.75	-2.25	0	0	0.63	0.63	0	0	0	0	0	0	0	0	0.23	0.23	0	0	0	0
Gravel	10	2	-1	0	0	1.11	1.73	0	0	0	0	0.03	0.03	0.01	0.01	0.02	0.26	0	0	0.02	0.02
Very coarse sand	18	1	0	0.07	0.07	0.39	2.13	0	0	0.1	0.1	0.05	0.08	0.06	0.07	0.03	0.29	0.05	0.05	0.02	0.04
Coarse sand	35	0.5	1	0.07	0.13	0.39	2.52	0.37	0.37	0.21	0.31	0.1	0.19	0.11	0.18	0.07	0.36	0.06	0.12	0.04	0.08
Medium sand	60	0.25	2	0.41	0.54	1.87	4.39	2.76	3.14	1.93	2.24	0.38	0.57	0.32	0.5	0.61	0.97	0.13	0.25	0.12	0.2
Fine sand	120	0.125	3	2.89	3.44	5.05	9.44	5.69	8.83	5.08	7.32	2.23	2.8	2.5	3	2.79	3.76	1.47	1.72	1.16	1.36
Very fine sand	200	0.075	3.75	32.73	36.17	29.27	38.71	26.02	34.85	24.74	32.06	21.57	24.37	20.75	23.74	19.74	23.49	21.23	22.94	21.74	23.1
Very fine sand	230	0.0625	4	8.03	44.2	8.09	46.8	7.95	42.8	8.94	41	7.23	31.6	8.16	31.9	8.51	32	7.56	30.5	8.7	31.8
Coarse silt	Hydrometer	0.0312	5	28.1	72.3	28	74.8	26.9	69.7	31.3	72.3	27.4	59	32.8	64.7	31.2	63.2	28.8	59.3	32.7	64.5
Very fine silt	Hydrometer	0.0039	8	12.7	85	13.4	88.2	14.1	83.8	16.5	88.8	31.5	90.5	24.3	89	27.1	90.3	31.7	91	27.1	91.6
Clay	Hydrometer	<0.0039	--	15	100	11.8	100	16.2	100	11.2	100	9.5	100	11	100	9.7	100	9	100	8.4	100

Notes
1. Grain size test method: ASTM D422, *Standard Test Method for Particle-Size Analysis of Soils*
2. Size classification is per the Wentworth Soil Classification System.

Table 27 - Particle Size Results for Sediment Core ID BA10C
Pre-Design Investigation
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				BA10C01200901		BA10C01200903		BA10C01200905		BA10C01200907		BA10C01200909-11		BA10C01200913-15		BA10C01200917-19		BA10C01200921	
Depth interval				0-2 cm		2-4 cm		4-6 cm		6-8 cm		8-12 cm		12-16 cm		16-20 cm		20-22 cm	
Size classification	*Sieve number*	*Particle size* (mm)	*Phi interval*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*
Medium pebble	3/8	9.5	-3.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small pebble	4	4.75	-2.25	0	0	0	0	6.95	6.95	2.59	2.59	0	0	0	0	0	0	0	0
Gravel	10	2	-1	0.16	0.16	1.03	1.03	3.96	10.91	2.86	5.45	0.53	0.53	0.55	0.55	0.23	0.23	0.4	0.4
Very coarse sand	18	1	0	0.54	0.7	0.68	1.71	1.75	12.66	1.42	6.87	0.71	1.24	0.47	1.02	0.29	0.52	0.09	0.49
Coarse sand	35	0.5	1	0.35	1.05	0.51	2.23	0.99	13.65	0.63	7.5	0.38	1.62	0.23	1.25	0.22	0.74	0.09	0.57
Medium sand	60	0.25	2	1.33	2.38	0.76	2.98	1.22	14.87	0.78	8.28	0.34	1.96	0.21	1.46	0.22	0.95	0.06	0.63
Fine sand	120	0.125	3	14.26	16.64	13.06	16.04	11.82	26.69	10.12	18.39	4.69	6.66	1.86	3.32	3.48	4.43	1.32	1.95
Very fine sand	200	0.075	3.75	47.99	64.63	47.6	63.64	39.73	66.42	40	58.4	23.35	30.01	11.69	15	17.71	22.15	12.6	14.55
Very fine sand	230	0.0625	4	3.37	68	3.86	67.5	3.28	69.7	4.1	62.5	5.59	35.6	3.6	18.6	7.15	29.3	8.65	23.2
Coarse silt	Hydrometer	0.0312	5	11.1	79.1	13.1	80.6	10.6	80.3	13.9	76.4	21.4	57	13.7	32.3	27.5	56.8	32.6	55.8
Very fine silt	Hydrometer	0.0039	8	8	87.1	9.4	90	9.1	89.4	12.3	88.7	35.2	92.2	58.9	91.2	36.1	92.9	34.2	90
Clay	Hydrometer	<0.0039	--	12.9	100	10	100	10.6	100	11.3	100	7.8	100	8.8	100	7.1	100	10	100

Notes
1. Grain size test method: ASTM D422, *Standard Test Method for Particle-Size Analysis of Soils*
2. Size classification is per the Wentworth Soil Classification System.

Table 28 - Particle Size Results for Sediment Core ID BA1DC
Pre-Design Investigation
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				BA1DC01200901		BA1DC01200903		BA1DC01200905		BA1DC01200907		BA1DC01200909-11		BA1DC01200913-15		BA1DC01200917-19		BA1DC01200921-23		BA1DC01200925	
Depth interval				0-2 cm		2-4 cm		4-6 cm		6-8 cm		8-12 cm		12-16 cm		16-20 cm		20-24 cm		24-26 cm	
Size classification	*Sieve number*	*Particle size* (mm)	*Phi interval*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*
Medium pebble	3/8	9.5	-3.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.25	9.25
Small pebble	4	4.75	-2.25	0.04	0.04	0	0	0.05	0.05	0	0	0	0	0	0	0	0	4.32	4.32	12.56	21.8
Gravel	10	2	-1	0.02	0.05	0.02	0.02	0.07	0.12	0.04	0.04	0.07	0.07	0.04	0.04	0.21	0.21	1.86	6.18	3.12	24.93
Very coarse sand	18	1	0	0.04	0.09	0.04	0.06	0.03	0.15	0.12	0.16	0.07	0.14	0.15	0.19	0.18	0.39	0.52	6.7	0.57	25.5
Coarse sand	35	0.5	1	0.14	0.23	0.15	0.2	0.21	0.36	0.29	0.45	0.17	0.3	0.24	0.43	0.33	0.72	0.58	7.28	0.54	26.04
Medium sand	60	0.25	2	1.64	1.87	1.58	1.78	1.75	2.12	1.59	2.04	1.36	1.67	1.52	1.95	1.9	2.61	2.12	9.4	1.81	27.85
Fine sand	120	0.125	3	19.9	21.77	17.57	19.35	18.16	20.28	17.85	19.89	21.14	22.81	22.72	24.67	24.96	27.58	22.16	31.56	15.38	43.23
Very fine sand	200	0.075	3.75	42.16	63.94	41.02	60.37	38.85	59.13	37.38	57.27	35.17	57.98	34.48	59.15	33.77	61.35	36.46	68.02	31.1	74.33
Very fine sand	230	0.0625	4	4.96	68.9	5.33	65.7	5.17	64.3	5.23	62.5	5.12	63.1	4.95	64.1	5.05	66.4	4.38	72.4	3.67	78
Coarse silt	Hydrometer	0.0312	5	17	85.9	17.9	83.6	18	82.3	17.9	80.4	17	80.1	16.1	80.2	16.1	82.5	14.1	86.5	11.4	89.4
Very fine silt	Hydrometer	0.0039	8	10.6	96.5	13.5	97.1	15.1	97.4	16.5	96.9	15.4	95.5	15.4	95.6	13.1	95.6	9.3	95.8	8.9	98.3
Clay	Hydrometer	<0.0039	--	3.5	100	2.9	100	2.6	100	3.1	100	4.5	100	4.4	100	4.4	100	4.2	100	1.7	100

Notes
1. Grain size test method: ASTM D422, *Standard Test Method for Particle-Size Analysis of Soils*
2. Size classification is per the Wentworth Soil Classification System.

Table 29 - Particle Size Results for Sediment Core ID BA2DC
Pre-Design Investigation
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				**BA2DC01200901**		**BA2DC01200903**		**BA2DC01200905**		**BA2DC01200907**		**BA2DC01200909-11**		**BA2DC01200913-15**		**BA2DC01200917-19**	
Depth interval				**0-2 cm**		**2-4 cm**		**4-6 cm**		**6-8 cm**		**8-12 cm**		**12-16 cm**		**16-20 cm**	
Size classification	***Sieve number***	***Particle size*** **(mm)**	***Phi interval***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***
Medium pebble	3/8	9.5	-3.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small pebble	4	4.75	-2.25	0	0	0	0	0	0	0.14	0.14	0	0	0.26	0.26	0	0
Gravel	10	2	-1	0.54	0.54	0.09	0.09	0.11	0.11	0.14	0.27	0.14	0.14	1.29	1.54	2.37	2.37
Very coarse sand	18	1	0	1.25	1.79	1.35	1.45	1.22	1.33	1.53	1.8	2.76	2.9	5.66	7.2	8.53	10.9
Coarse sand	35	0.5	1	10.03	11.82	12.16	13.61	13.24	14.57	12.09	13.89	11.3	14.2	10.9	18.1	11.9	22.8
Medium sand	60	0.25	2	18.96	30.77	19.07	32.67	18.41	32.98	17.14	31.03	14.74	28.94	14.31	32.41	13.29	36.09
Fine sand	120	0.125	3	37.23	68.01	32.66	65.33	31.3	64.28	30.53	61.56	29.66	58.6	25.59	58	25.61	61.7
Very fine sand	200	0.075	3.75	14.02	82.02	13.42	78.75	12.17	76.45	12.63	74.19	14.74	73.34	16.81	74.81	13.54	75.24
Very fine sand	230	0.0625	4	1.18	83.2	0.15	78.9	2.05	78.5	1.91	76.1	1.46	74.8	2.09	76.9	1.56	76.8
Coarse silt	Hydrometer	0.0312	5	4.8	88	2.6	81.5	6.8	85.3	7.4	83.5	7.6	82.4	7.2	84.1	6.1	82.9
Very fine silt	Hydrometer	0.0039	8	9.3	97.3	16.5	98	12.8	98.1	15.3	98.8	13.8	96.2	12.6	96.7	13.2	96.1
Clay	Hydrometer	<0.0039	--	2.7	100	2	100	1.9	100	1.2	100	3.8	100	3.3	100	3.9	100

Sample ID				**BA2DC01200921-23**		**BA2DC01200925-27**		**BA2DC01200929-31**		**BA2DC01200933-35**		**BA2DC01200937-39**		**BA2DC01200941-43**		**BA2DC01200945-47**	
Depth interval				**20-24 cm**		**24-28 cm**		**28-32 cm**		**32-36 cm**		**36-40 cm**		**40-44 cm**		**44-48 cm**	
Size classification	***Sieve number***	***Particle size*** **(mm)**	***Phi interval***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***
Medium pebble	3/8	9.5	-3.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small pebble	4	4.75	-2.25	0.23	0.23	0	0	0.41	0.41	0.25	0.25	1.08	1.08	0	0	0	0
Gravel	10	2	-1	3.6	3.83	3.45	3.45	3.49	3.9	2.56	2.82	4.74	5.83	3.98	3.98	4.32	4.32
Very coarse sand	18	1	0	10.27	14.1	11.75	15.2	10.1	14	11.48	14.3	12.47	18.3	14.42	18.4	12.28	16.6
Coarse sand	35	0.5	1	15	29.1	16.3	31.5	14.9	28.9	15.5	29.8	13.9	32.2	15.7	34.1	14.5	31.1
Medium sand	60	0.25	2	14.64	43.74	14.47	45.97	14.37	43.27	13.84	43.64	12.38	44.58	13.67	47.77	12.58	43.68
Fine sand	120	0.125	3	19.56	63.3	20.93	66.9	19.33	62.6	21.26	64.9	21.92	66.5	20.83	68.6	22.22	65.9
Very fine sand	200	0.075	3.75	11.59	74.89	8.69	75.59	11.58	74.18	10.53	75.43	12.51	79.01	14.48	83.08	16.09	81.99
Very fine sand	230	0.0625	4	1.21	76.1	1.51	77.1	1.52	75.7	1.87	77.3	1.59	80.6	1.22	84.3	1.51	83.5
Coarse silt	Hydrometer	0.0312	5	5.3	81.4	6.3	83.4	6.8	82.5	7.5	84.8	5.5	86.1	4.1	88.4	5	88.5
Very fine silt	Hydrometer	0.0039	8	15.3	96.7	12.9	96.3	13.8	96.3	11.3	96.1	11.2	97.3	8.2	96.6	9	97.5
Clay	Hydrometer	<0.0039	--	3.3	100	3.7	100	3.7	100	3.9	100	2.7	100	3.4	100	2.5	100

Notes
1. Grain size test method: ASTM D422, *Standard Test Method for Particle-Size Analysis of Soils*
2. Size classification is per the Wentworth Soil Classification System.

Table 30 - Particle Size Results for Sediment Core ID BA3DC
Pre-Design Investigation
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				BA3DC01200901		BA3DC01200903		BA3DC01200905		BA3DC01200907		BA3DC01200909-11		BA3DC01200913-15		BA3DC01200917-19		BA3DC01200921-23		BA3DC01200925-27	
Depth interval				0-2 cm		2-4 cm		4-6 cm		6-8 cm		8-12 cm		12-16 cm		16-20 cm		20-24 cm		24-28 cm	
Size classification	*Sieve number*	*Particle size* (mm)	*Phi interval*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*
Medium pebble	3/8	9.5	-3.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small pebble	4	4.75	-2.25	0	0	0	0	0.09	0.09	0	0	0	0	0	0	0	0	0	0	0.2	0.2
Gravel	10	2	-1	0	0	0.02	0.02	0.06	0.15	0.05	0.05	0.29	0.29	0.24	0.24	0.23	0.23	0.69	0.69	1.99	2.19
Very coarse sand	18	1	0	0.43	0.43	0.3	0.31	0.35	0.5	0.44	0.49	0.51	0.8	0.96	1.2	1.07	1.3	1.4	2.09	3.23	5.42
Coarse sand	35	0.5	1	1.48	1.9	1.54	1.85	1.53	2.03	1.96	2.44	1.9	2.7	2.4	3.6	2.6	3.9	3.3	5.39	5.84	11.26
Medium sand	60	0.25	2	4.45	6.35	5.06	6.91	5.33	7.35	5.26	7.7	4.37	7.07	5.48	9.08	5.65	9.55	6.75	12.14	8.35	19.62
Fine sand	120	0.125	3	32.81	39.17	35.16	42.07	36.35	43.7	36.89	44.59	29.03	36.1	27.42	36.5	27.75	37.3	34.92	47.06	30.6	50.22
Very fine sand	200	0.075	3.75	19.98	59.14	21.84	63.91	20.41	64.12	19.44	64.03	25.91	62.01	24.7	61.2	24.44	61.74	13.54	60.6	14.89	65.11
Very fine sand	230	0.0625	4	3.46	62.6	2.99	66.9	3.18	67.3	3.27	67.3	2.29	64.3	3.2	64.4	2.76	64.5	4.7	65.3	3.19	68.3
Coarse silt	Hydrometer	0.0312	5	13.1	75.7	11.1	78	11.9	79.2	12	79.3	9	73.3	11.3	75.7	10	74.5	11.7	77	10.8	79.1
Very fine silt	Hydrometer	0.0039	8	21.8	97.5	19	97	18.9	98.1	17.5	96.8	22	95.3	19.7	95.4	21.1	95.6	18.4	95.4	16.7	95.8
Clay	Hydrometer	<0.0039	--	2.5	100	3	100	1.9	100	3.2	100	4.7	100	4.6	100	4.4	100	4.6	100	4.2	100

Sample ID				BA3DC01200929-3		BA3DC01200933-35		BA3DC01200937-39		BA3DC01200941-43		BA3DC01200945-47		BA3DC01200949-51		BA3DC01200953-55		BA3DC01200957-59		BA3DC01200961-63	
Depth interval				28-32 cm		32-36 cm		36-40 cm		40-44 cm		44-48 cm		48-52 cm		52-56 cm		56-60 cm		60-64 cm	
Size classification	*Sieve number*	*Particle size* (mm)	*Phi interval*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*
Medium pebble	3/8	9.5	-3.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small pebble	4	4.75	-2.25	0.31	0.31	0.63	0.63	1.3	1.3	0.67	0.67	0	0	0.39	0.39	1.53	1.53	0	0	0.47	0.47
Gravel	10	2	-1	0.97	1.28	1.36	1.99	1.09	2.39	1.63	2.3	2.82	2.82	0.92	1.31	2.42	3.95	1.31	1.31	1.44	1.91
Very coarse sand	18	1	0	1.97	3.25	2.31	4.3	2.21	4.6	1.99	4.3	3.21	6.03	1.79	3.1	3.12	7.07	2.55	3.86	2.24	4.15
Coarse sand	35	0.5	1	4.32	7.58	4.9	9.2	4.3	8.9	4.14	8.44	4.87	10.9	4.03	7.14	5.14	12.21	5.17	9.03	4.9	9.05
Medium sand	60	0.25	2	7.4	14.98	7.87	17.07	6.81	15.71	7.22	15.65	8.38	19.28	7.77	14.91	9.13	21.35	9.64	18.68	9.1	18.15
Fine sand	120	0.125	3	31.77	46.75	25.03	42.1	27.99	43.7	33.11	48.76	33.35	52.62	35.04	49.95	30.88	52.23	30.58	49.26	36.11	54.26
Very fine sand	200	0.075	3.75	14.91	61.66	18.58	60.68	19.63	63.33	11.74	60.5	15.5	68.12	15.73	65.69	16.56	68.78	17.23	66.49	14.23	68.5
Very fine sand	230	0.0625	4	2.94	64.6	2.72	63.4	2.57	65.9	4.2	64.7	3.48	71.6	3.31	69	2.52	71.3	3.51	70	3.2	71.7
Coarse silt	Hydrometer	0.0312	5	10.4	75	10	73.4	8.9	74.8	10.9	75.6	11.1	82.7	11.3	80.3	8.7	80	11.7	81.7	10.7	82.4
Very fine silt	Hydrometer	0.0039	8	20.5	95.5	22	95.4	21.3	96.1	21.2	96.8	13.1	95.8	16.1	96.4	17	97	14.4	96.1	14	96.4
Clay	Hydrometer	<0.0039	--	4.5	100	4.6	100	3.9	100	3.2	100	4.2	100	3.6	100	3	100	3.9	100	3.6	100

Notes
1. Grain size test method: ASTM D422, *Standard Test Method for Particle-Size Analysis of Soils*
2. Size classification is per the Wentworth Soil Classification System.

Table 31 - Particle Size Results for Sediment Core ID BA4DC
Pre-Design Investigation
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				BA4DC01200901		BA4DC01200903		BA4DC01200905		BA4DC01200907		BA4DC01200909-11		BA4DC01200913-15		BA4DC01200917-19		BA4DC01200921-23		BA4DC01200925-27		BA4DC01200929-31		BA4DC01200933-35		BA4DC01200937-39	
Depth interval				0-2 cm		2-4 cm		4-6 cm		6-8 cm		8-12 cm		12-16 cm		16-20 cm		20-24 cm		24-28 cm		28-32 cm		32-36 cm		36-40 cm	
Size classification	*Sieve number*	*Particle size* (mm)	*Phi interval*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*
Medium pebble	3/8	9.5	-3.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small pebble	4	4.75	-2.25	0	0	0	0	0	0	0	0	0	0	0.02	0.02	2.86	2.86	0.93	0.93	0	0	0	0	0	0	0	0
Gravel	10	2	-1	0	0	0	0	0	0	0	0	0.05	0.05	0.02	0.03	0.78	3.63	0.35	1.29	0.03	0.03	0.03	0.03	0	0	0	0
Very coarse sand	18	1	0	0	0	0	0	0.05	0.05	0	0	0.02	0.06	0.03	0.07	0.74	4.37	0.31	1.6	0.03	0.07	0.03	0.06	0.01	0.01	0.04	0.04
Coarse sand	35	0.5	1	0	0	0.1	0.1	0.05	0.09	0.05	0.05	0.03	0.1	0.07	0.14	0.56	4.94	0.31	1.91	0.05	0.12	0.08	0.14	0.1	0.12	0.07	0.11
Medium sand	60	0.25	2	0.33	0.33	0.46	0.56	0.32	0.42	0.37	0.42	0.22	0.32	0.15	0.29	0.51	5.45	0.4	2.31	0.2	0.32	0.26	0.4	0.25	0.37	0.25	0.36
Fine sand	120	0.125	3	4.76	5.09	4.14	4.71	3.51	3.93	3.69	4.11	2.64	2.96	8.84	9.13	2.44	7.89	3.68	5.99	3	3.32	3.96	4.36	4.16	4.53	3.88	4.24
Very fine sand	200	0.075	3.75	14.68	19.77	14.92	19.62	15.15	19.08	13.74	17.85	13.71	16.67	11.58	20.71	10.28	18.17	15.94	21.92	16.51	19.83	18.96	23.32	17.25	21.77	17.95	22.19
Very fine sand	230	0.0625	4	4.03	23.8	3.98	23.6	5.72	24.8	4.85	22.7	4.43	21.1	6.59	27.3	7.13	25.3	5.88	27.8	6.97	26.8	6.58	29.9	6.73	28.5	6.51	28.7
Coarse silt	Hydrometer	0.0312	5	16	39.8	16.5	40.1	21.8	46.6	19.3	42	16.8	37.9	24.9	52.2	26.9	52.2	22.2	50	26.7	53.5	25	54.9	25.5	54	24.8	53.5
Very fine silt	Hydrometer	0.0039	8	34.1	73.9	37.9	78	38.9	85.5	41	83	50.1	88	34.9	87.1	34.3	86.5	32.4	82.4	32.2	85.7	33.2	88.1	34.9	88.9	33.2	86.7
Clay	Hydrometer	<0.0039	--	26.1	100	22	100	14.5	100	17	100	12	100	12.9	100	13.5	100	17.6	100	14.3	100	11.9	100	11.1	100	13.3	100

Sample ID				BA4DC01200941-43		BA4DC01200945-47		BA4DC01200949-51		BA4DC01200953-55		BA4DC01200957-59		BA4DC01200961-63		BA4DC01200965-67		BA4DC01200969-71		BA4DC01200973-75		BA4DC01200977-79		BA4DC01200981-83		BA4DC01200985	
Depth interval				40-44 cm		44-48 cm		48-52 cm		52-56 cm		56-60 cm		60-64 cm		64-68 cm		68-72 cm		72-76 cm		76-80 cm		80-84 cm		84-86 cm	
Size classification	*Sieve number*	*Particle size* (mm)	*Phi interval*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*
Medium pebble	3/8	9.5	-3.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small pebble	4	4.75	-2.25	0.25	0.25	0	0	0	0	0	0	0	0	0.1	0.1	0	0	0	0	0	0	0	0	0.06	0.06	0.73	0.73
Gravel	10	2	-1	0.15	0.41	0.02	0.02	0	0	0.19	0.19	0.11	0.11	0	0.1	0.06	0.06	0.25	0.25	0.07	0.07	0.14	0.14	0.07	0.13	0.19	0.92
Very coarse sand	18	1	0	0.08	0.49	0.07	0.08	0.37	0.37	0.27	0.46	0.16	0.27	0.14	0.24	0.22	0.28	0.27	0.51	0.09	0.16	0.21	0.35	0.15	0.28	0.17	1.09
Coarse sand	35	0.5	1	0.08	0.57	0.15	0.23	0.18	0.55	0.28	0.74	0.11	0.39	0.14	0.38	0.19	0.47	0.26	0.77	0.16	0.33	0.21	0.56	0.1	0.38	0.19	1.28
Medium sand	60	0.25	2	0.3	0.88	0.33	0.56	0.35	0.9	0.41	1.15	0.4	0.79	0.33	0.71	0.33	0.8	0.56	1.33	0.33	0.66	0.34	0.9	0.26	0.64	0.42	1.7
Fine sand	120	0.125	3	3.91	4.79	4.11	4.67	4.22	5.12	3.47	4.62	4.02	4.81	4.79	5.5	5.51	6.31	7.07	8.4	5.95	6.6	6.11	7	5.55	6.19	5.77	7.48
Very fine sand	200	0.075	3.75	17.06	21.85	17.77	22.45	16.02	21.15	14.33	18.95	15.51	20.32	21.35	26.85	23.61	29.92	26.86	35.27	26.83	33.43	26.31	33.31	27.56	33.75	31.09	38.56
Very fine sand	230	0.0625	4	6.55	28.4	6.35	28.8	6.65	27.8	4.65	23.6	4.78	25.1	3.95	30.8	5.38	35.3	4.53	39.8	6.27	39.7	6.89	40.2	7.55	41.3	8.34	46.9
Coarse silt	Hydrometer	0.0312	5	24.9	53.3	24.3	53.1	25.4	53.2	19.1	42.7	19.2	44.3	15.9	46.7	19.2	54.5	17.3	57.1	20.8	60.5	24.9	65.1	26.8	68.1	28	74.9
Very fine silt	Hydrometer	0.0039	8	33.8	87.1	34.1	87.2	33	86.2	43.6	86.3	43.3	87.6	40.9	87.6	34.8	89.3	33.3	90.4	29.3	89.8	25.6	90.7	23.8	91.9	13.6	88.5
Clay	Hydrometer	<0.0039	--	12.9	100	12.8	100	13.8	100	13.7	100	12.4	100	12.4	100	10.7	100	9.6	100	10.2	100	9.3	100	8.1	100	11.5	100

Notes
1. Grain size test method: ASTM D422, *Standard Test Method for Particle-Size Analysis of Soils*
2. Size classification is per the Wentworth Soil Classification System.

Table 32 - Particle Size Results for Sediment Core ID BA5DC
Pre-Design Investigation
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				BA5DC01200901		BA5DC01200903		BA5DC01200905		BA5DC01200907		BA5DC01200909-11		BA5DC01200913-15		BA5DC01200917-19		BA5DC01200921-23		BA5DC01200925-27		BA5DC01200929-31		BA5DC01200933-35		BA5DC01200937-39	
Depth interval				0-2 cm		2-4 cm		4-6 cm		6-8 cm		8-12 cm		12-16 cm		16-20 cm		20-24 cm		24-28 cm		28-32 cm		32-36 cm		36-40 cm	
Size classification	*Sieve number*	*Particle size (mm)*	*Phi interval*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*
Medium pebble	3/8	9.5	-3.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small pebble	4	4.75	-2.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.04	0.04	0	0	0	0
Gravel	10	2	-1	0	0	0	0	0	0	0	0	0	0	0	0	0.03	0.03	0	0	0	0	0	0.04	0	0	0.04	0.04
Very coarse sand	18	1	0	0	0	0	0	0.07	0.07	0.05	0.05	0.01	0.01	0.01	0.01	0.03	0.05	0	0	0.04	0.04	0.03	0.06	0.01	0.01	0.01	0.05
Coarse sand	35	0.5	1	0.03	0.03	0	0	0.02	0.09	0.03	0.09	0.01	0.03	0.01	0.03	0.03	0.08	0.06	0.06	0.09	0.13	0.1	0.16	0.04	0.05	0.13	0.18
Medium sand	60	0.25	2	0.23	0.26	0.26	0.26	0.47	0.56	0.43	0.51	0.14	0.17	0.15	0.18	0.22	0.3	0.21	0.26	0.17	0.3	0.29	0.45	0.24	0.29	0.26	0.44
Fine sand	120	0.125	3	1.98	2.24	1.96	2.22	2.41	2.97	2.27	2.78	1.5	1.67	1.43	1.6	1.54	1.85	1.5	1.76	1.55	1.85	7.29	7.75	1.9	2.19	2.12	2.56
Very fine sand	200	0.075	3.75	18.15	20.39	16.52	18.75	16.25	19.23	16.3	19.08	15.77	17.44	13.2	14.8	14.09	15.94	13.06	14.82	12.97	14.82	13.55	21.3	14.16	16.35	19.67	22.23
Very fine sand	230	0.0625	4	6.01	26.4	6.15	24.9	4.97	24.2	6.02	25.1	4.56	22	4.7	19.5	4.16	20.1	2.68	17.5	3.68	18.5	4.9	26.2	4.05	20.4	5.87	28.1
Coarse silt	Hydrometer	0.0312	5	23.3	49.7	23.6	48.5	20.3	44.5	23.2	48.3	17.6	39.6	18.1	37.6	16	36.1	11	28.5	14.1	32.6	18.6	44.8	15.5	35.9	22.7	50.8
Very fine silt	Hydrometer	0.0039	8	31.5	81.2	34.9	83.4	41.2	85.7	40.7	89	49.2	88.8	51.4	89	53.2	89.3	58.6	87.1	55.5	88.1	44.1	88.9	52.4	88.3	38.6	89.4
Clay	Hydrometer	<0.0039	--	18.8	100	16.6	100	14.3	100	11	100	11.2	100	11	100	10.7	100	12.9	100	11.9	100	11.1	100	11.7	100	10.6	100

Sample ID				BA5DC01200941-43		BA5DC01200945-47		BA5DC01200949-51		BA5DC01200953-55		BA5DC01200957-59		BA5DC01200961-63		BA5DC01200965-67		BA5DC01200969-71		BA5DC01200973-75		BA5DC01200977-79		BA5DC01200981-83		BA5DC01200985-87	
Depth interval				40-44 cm		44-48 cm		48-52 cm		52-56 cm		56-60 cm		60-64 cm		64-68 cm		68-72 cm		72-76 cm		76-80 cm		80-84 cm		84-88 cm	
Size classification	*Sieve number*	*Particle size (mm)*	*Phi interval*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*
Medium pebble	3/8	9.5	-3.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small pebble	4	4.75	-2.25	0	0	0	0	0.08	0.08	0	0	0	0	0	0	0.05	0.05	0	0	0	0	0.13	0.13	0	0	0.27	0.27
Gravel	10	2	-1	0.01	0.01	0.28	0.28	0.13	0.2	0.03	0.03	0.07	0.07	0.09	0.09	0.02	0.07	0.17	0.17	0.09	0.09	0.19	0.32	0.07	0.07	0.28	0.54
Very coarse sand	18	1	0	0.02	0.04	0.23	0.51	0.06	0.26	0.05	0.08	0.02	0.1	0.11	0.2	0.07	0.14	0.16	0.34	0.14	0.24	0.19	0.51	0.16	0.23	0.47	1.02
Coarse sand	35	0.5	1	0.17	0.21	0.27	0.77	0.2	0.46	0.15	0.22	0.17	0.26	0.2	0.39	0.17	0.31	0.22	0.55	0.23	0.46	0.26	0.77	0.24	0.47	0.39	1.41
Medium sand	60	0.25	2	0.36	0.57	0.36	1.13	0.46	0.93	0.54	0.77	0.55	0.81	0.51	0.9	0.47	0.78	0.45	1.01	0.46	0.92	0.41	1.18	0.36	0.83	1.08	2.49
Fine sand	120	0.125	3	2.66	3.22	2.5	3.63	2.94	3.87	3.1	3.87	3.06	3.87	2.74	3.64	2.92	3.7	2.9	3.91	3.15	4.07	2.93	4.11	3.19	4.02	1.87	4.36
Very fine sand	200	0.075	3.75	21.04	24.26	20.48	24.11	19.58	23.45	20.1	23.96	18.92	22.79	20.11	23.75	21.57	25.27	23.32	27.23	23.48	27.55	27.79	31.9	28.14	32.15	29.08	33.44
Very fine sand	230	0.0625	4	4.64	28.9	5.99	30.1	5.45	28.9	4.54	28.5	5.21	28	5.05	28.8	6.03	31.3	5.57	32.8	6.95	34.5	6.1	38	6.85	39	7.46	40.9
Coarse silt	Hydrometer	0.0312	5	17.5	46.4	22.9	53	20.9	49.8	18.1	46.6	20	48	19.6	48.4	22.6	53.9	21.2	54	25.3	59.8	23.1	61.1	24.5	63.5	26	66.9
Very fine silt	Hydrometer	0.0039	8	42.6	89	35.6	88.6	39	88.8	41.3	87.9	40.9	88.9	40.2	88.6	35.6	89.5	37	91	30.2	90	29.8	90.9	27.9	91.4	24	90.9
Clay	Hydrometer	<0.0039	--	11	100	11.4	100	11.2	100	12.1	100	11.1	100	11.4	100	10.5	100	9	100	10	100	9.1	100	8.6	100	9.1	100

Notes
1. Grain size test method: ASTM D422, *Standard Test Method for Particle-Size Analysis of Soils*
2. Size classification is per the Wentworth Soil Classification System.

Table 33 - Particle Size Results for Sediment Core ID BA6DC
Pre-Design Investigation
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				BA6DC01200901		BA6DC01200903		BA6DC01200905		BA6DC01200907		BA6DC01200909-11		BA6DC01200913-15		BA6DC01200917-19		BA6DC01200921-23	
Depth interval				0-2 cm		2-4 cm		4-6 cm		6-8 cm		8-12 cm		12-16 cm		16-20 cm		20-24 cm	
Size classification	*Sieve number*	*Particle size* (mm)	*Phi interval*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*
Medium pebble	3/8	9.5	-3.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small pebble	4	4.75	-2.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel	10	2	-1	0	0	0	0	0	0	0	0	0.1	0.1	0.07	0.07	0	0	0	0
Very coarse sand	18	1	0	0.12	0.12	0.07	0.07	0	0	0	0	0	0.1	0.01	0.09	0.07	0.07	0.03	0.03
Coarse sand	35	0.5	1	0.08	0.21	0.07	0.14	0.06	0.06	0.04	0.04	0.06	0.15	0.09	0.17	0.1	0.16	0.12	0.15
Medium sand	60	0.25	2	0.83	1.04	0.78	0.92	0.58	0.65	0.69	0.73	0.46	0.61	0.33	0.51	0.41	0.58	0.34	0.49
Fine sand	120	0.125	3	5.3	6.34	4.4	5.32	3.62	4.26	3.92	4.65	2.98	3.6	3.61	4.11	3.65	4.22	3.57	4.06
Very fine sand	200	0.075	3.75	39.15	45.48	38.3	43.62	35.57	39.84	34.99	39.64	32.96	36.56	34	38.12	34.87	39.09	34.17	38.23
Very fine sand	230	0.0625	4	2.42	47.9	6.38	50	5.76	45.6	7.16	46.8	5.64	42.2	6.48	44.6	5.61	44.7	5.87	44.1
Coarse silt	Hydrometer	0.0312	5	10.3	58.2	20.9	70.9	18.8	64.4	24.1	70.9	22.1	64.3	25.8	70.4	21.7	66.4	23.1	67.2
Very fine silt	Hydrometer	0.0039	8	13	71.2	13	83.9	12.9	77.3	15.6	86.5	20.3	84.6	17.4	87.8	20.8	87.2	19.6	86.8
Clay	Hydrometer	<0.0039	--	28.8	100	16.1	100	22.7	100	13.5	100	15.4	100	12.2	100	12.8	100	13.2	100

Sample ID				BA6DC01200925-27		BA6DC01200929-31		BA6DC01200933-35		BA6DC01200937-39		BA6DC01200941-43		BA6DC01200945-47		BA6DC01200949-51		BA6DC01200953-55	
Depth interval				24-28 cm		28-32 cm		32-36 cm		36-40 cm		40-44 cm		44-48 cm		48-52 cm		52-56 cm	
Size classification	*Sieve number*	*Particle size* (mm)	*Phi interval*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*	*Percent retained*	*Cumulative percent retained*
Medium pebble	3/8	9.5	-3.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small pebble	4	4.75	-2.25	0	0	0	0	0	0	0.31	0.31	0	0	0	0	0.49	0.49	0.13	0.13
Gravel	10	2	-1	0	0	0	0	0	0	0.31	0.62	0.21	0.21	0.13	0.13	0.83	1.32	0.51	0.64
Very coarse sand	18	1	0	0.02	0.02	0.02	0.02	0.07	0.07	0.27	0.89	0.13	0.35	0.21	0.34	0.46	1.78	0.33	0.96
Coarse sand	35	0.5	1	0.08	0.1	0.22	0.24	0.14	0.2	0.34	1.23	0.2	0.55	0.19	0.53	0.38	2.16	0.37	1.33
Medium sand	60	0.25	2	0.14	0.24	0.43	0.67	0.42	0.63	0.56	1.8	0.42	0.97	0.44	0.96	0.46	2.61	0.43	1.76
Fine sand	120	0.125	3	4.27	4.51	3.56	4.23	3.59	4.22	2.38	4.18	3.1	4.07	3.22	4.18	2.9	5.51	2.68	4.44
Very fine sand	200	0.075	3.75	33.32	37.83	33.28	37.51	29.35	33.56	28.23	32.41	30.93	35	32.36	36.55	35.57	41.08	36.42	40.86
Very fine sand	230	0.0625	4	5.37	43.2	5.09	42.6	5.24	38.8	5.19	37.6	5.2	40.2	5.45	42	6.52	47.6	6.94	47.8
Coarse silt	Hydrometer	0.0312	5	21.1	64.3	19.8	62.4	21.8	60.6	23.4	61	20.3	60.5	20.6	62.6	24.1	71.7	24.9	72.7
Very fine silt	Hydrometer	0.0039	8	22.5	86.8	22.3	84.7	24.5	85.1	24.7	85.7	27.5	88	25.8	88.4	20.7	92.4	19.7	92.4
Clay	Hydrometer	<0.0039	--	13.2	100	15.3	100	14.9	100	14.3	100	12	100	11.6	100	7.6	100	7.6	100

Notes
1. Grain size test method: ASTM D422, *Standard Test Method for Particle-Size Analysis of Soils*
2. Size classification is per the Wentworth Soil Classification System.

Table 34 - Particle Size Results for Sediment Core ID BA7DC
Pre-Design Investigation
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				**BA7DC01200901**		**BA7DC01200903**		**BA7DC01200905**		**BA7DC01200907**		**BA7DC01200909-11**		**BA7DC01200913-15**		**BA7DC01200917-19**		**BA7DC01200921-23**		**BA7DC01200925**	
Depth interval				**0-2 cm**		**2-4 cm**		**4-6 cm**		**6-8 cm**		**8-12 cm**		**12-16 cm**		**16-20 cm**		**20-24 cm**		**24-26 cm**	
Size classification	***Sieve number***	***Particle size*** **(mm)**	***Phi interval***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***
Medium pebble	3/8	9.5	-3.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small pebble	4	4.75	-2.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.18	1.18	1.98	1.98
Gravel	10	2	-1	0	0	0	0	0	0	0.03	0.03	0	0	0.08	0.09	0.09	0.09	1.35	2.53	2.62	4.6
Very coarse sand	18	1	0	0.12	0.12	0.02	0.02	0.04	0.04	0.06	0.09	0.08	0.08	0.21	0.3	0.2	0.28	0.79	3.32	1.03	5.63
Coarse sand	35	0.5	1	0.29	0.41	0.3	0.32	0.26	0.31	0.35	0.44	0.44	0.52	0.55	0.85	0.66	0.95	1.31	4.63	1.45	7.08
Medium sand	60	0.25	2	9.16	9.57	7.91	8.23	7.48	7.79	8.71	9.15	7.6	8.12	10.29	11.14	10.5	11.45	14.11	18.74	16.5	23.58
Fine sand	120	0.125	3	30.4	39.98	28.26	36.49	27.43	35.22	29.24	38.39	29.31	37.43	30.66	41.8	29.18	40.63	34.9	53.64	35.25	58.83
Very fine sand	200	0.075	3.75	22.74	62.71	23.35	59.84	23.38	58.6	23.16	61.55	23.53	60.97	20.85	62.65	21.16	61.79	16.14	69.78	13.91	72.74
Very fine sand	230	0.0625	4	2.59	65.3	3.06	62.9	3.8	62.4	3.15	64.7	3.43	64.4	3.35	66	3.31	65.1	1.62	71.4	1.56	74.3
Coarse silt	Hydrometer	0.0312	5	9.6	74.9	11.3	74.2	13.2	75.6	11.3	76	14.1	78.5	13.1	79.1	12.9	78	6.4	77.8	6.2	80.5
Very fine silt	Hydrometer	0.0039	8	13.4	88.3	15.1	89.3	14.4	90	14	90	14.3	92.8	14	93.1	15.7	93.7	15.3	93.1	12.2	92.7
Clay	Hydrometer	<0.0039	--	11.7	100	10.7	100	10	100	10	100	7.2	100	6.9	100	6.3	100	6.9	100	7.3	100

Notes
1. Grain size test method: ASTM D422, *Standard Test Method for Particle-Size Analysis of Soils*
2. Size classification is per the Wentworth Soil Classification System.

Table 35 - Particle Size Results for Sediment Core ID BA8DC
Pre-Design Investigation
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				**BA8DC01200901**		**BA8DC01200903**		**BA8DC01200905**		**BA8DC01200907**		**BA8DC01200909-11**		**BA8DC01200913-15**		**BA8DC01200917-19**	
Depth interval				**0-2 cm**		**2-4 cm**		**4-6 cm**		**6-8 cm**		**8-12 cm**		**12-16 cm**		**16-20 cm**	
Size classification	***Sieve number***	***Particle size*** **(mm)**	***Phi interval***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***
Medium pebble	3/8	9.5	-3.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small pebble	4	4.75	-2.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel	10	2	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Very coarse sand	18	1	0	0	0	0	0	0	0	0	0	0.01	0.01	0.05	0.05	0.02	0.02
Coarse sand	35	0.5	1	0.03	0.03	0.04	0.04	0.05	0.05	0.09	0.09	0.06	0.07	0.22	0.27	0.19	0.21
Medium sand	60	0.25	2	0.32	0.35	0.51	0.55	1.11	1.16	1.27	1.36	0.45	0.52	0.54	0.81	0.35	0.56
Fine sand	120	0.125	3	2.07	2.42	2.23	2.78	3.04	4.2	3.28	4.65	3.23	3.75	3.78	4.59	2.91	3.47
Very fine sand	200	0.075	3.75	30.75	33.17	30.15	32.94	31.59	35.79	33.5	38.14	34.95	38.7	32.56	37.15	33.48	36.96
Very fine sand	230	0.0625	4	8.13	41.3	8.36	41.3	8.21	44	8.36	46.5	8.3	47	7.65	44.8	8.34	45.3
Coarse silt	Hydrometer	0.0312	5	29.2	70.5	29.4	70.7	28.5	72.5	29.5	76	30.9	77.9	29.3	74.1	30.9	76.2
Very fine silt	Hydrometer	0.0039	8	18.1	88.6	17	87.7	16.4	88.9	14.3	90.3	14.4	92.3	17.8	91.9	15.4	91.6
Clay	Hydrometer	<0.0039	--	11.4	100	12.3	100	11.1	100	9.7	100	7.7	100	8.1	100	8.4	100

Sample ID				**BA8DC01200921-23**		**BA8DC01200925-27**		**BA8DC01200929-31**		**BA8DC01200933-35**		**BA8DC01200937-39**		**BA8DC01200941**	
Depth interval				**20-24 cm**		**24-28 cm**		**28-32 cm**		**32-36 cm**		**36-40 cm**		**40-42 cm**	
Size classification	***Sieve number***	***Particle size*** **(mm)**	***Phi interval***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***
Medium pebble	3/8	9.5	-3.25	0	0	0	0	0	0	0	0	0	0	0	0
Small pebble	4	4.75	-2.25	0	0	0.04	0.04	0.07	0.07	1.28	1.28	0	0	0	0
Gravel	10	2	-1	0.02	0.02	0.16	0.2	0.17	0.24	0.1	1.39	0.1	0.1	0.71	0.71
Very coarse sand	18	1	0	0.03	0.05	0.11	0.31	0.11	0.35	0.23	1.61	0.16	0.26	0.17	0.88
Coarse sand	35	0.5	1	0.03	0.07	0.33	0.64	0.41	0.77	0.42	2.04	0.2	0.46	0.2	1.08
Medium sand	60	0.25	2	0.1	0.18	0.5	1.14	0.85	1.61	0.75	2.79	1.39	1.85	0.44	1.52
Fine sand	120	0.125	3	0.9	1.08	2.84	3.98	6.85	8.46	4.28	7.07	8.95	10.8	2.47	3.98
Very fine sand	200	0.075	3.75	7.17	8.24	31.91	35.89	31.84	40.3	31.02	38.09	26.69	37.48	28.82	32.8
Very fine sand	230	0.0625	4	14.26	22.5	7.71	43.6	6.3	46.6	6.11	44.2	5.82	43.3	7.8	40.6
Coarse silt	Hydrometer	0.0312	5	51.1	73.6	29.1	72.7	24.4	71	24	68.2	22.8	66.1	28.5	69.1
Very fine silt	Hydrometer	0.0039	8	18.5	92.1	19	91.7	21.9	92.9	23.7	91.9	26	92.1	20.8	89.9
Clay	Hydrometer	<0.0039	--	7.9	100	8.3	100	7.1	100	8.1	100	7.9	100	10.1	100

Notes
1. Grain size test method: ASTM D422, *Standard Test Method for Particle-Size Analysis of Soils*
2. Size classification is per the Wentworth Soil Classification System.

Table 36 - Particle Size Results for Sediment Core ID BA9DC
Pre-Design Investigation
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				**BA9DC01200901**		**BA9DC01200903**		**BA9DC01200905**		**BA9DC01200907**		**BA9DC01200909-11**		**BA9DC01200913-15**		**BA9DC01200917-19**	
Depth interval				**0-2 cm**		**2-4 cm**		**4-6 cm**		**6-8 cm**		**8-12 cm**		**12-16 cm**		**16-20 cm**	
Size classification	***Sieve number***	***Particle size*** **(mm)**	***Phi interval***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***
Medium pebble	3/8	9.5	-3.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small pebble	4	4.75	-2.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel	10	2	-1	0.02	0.02	0	0	0	0	0	0	0	0	0	0	0	0
Very coarse sand	18	1	0	0.02	0.04	0.04	0.04	0.02	0.02	0	0	0.01	0.01	0.01	0.01	0.01	0.01
Coarse sand	35	0.5	1	0.11	0.14	0.02	0.06	0.03	0.05	0.1	0.1	0.03	0.04	0.03	0.04	0.01	0.02
Medium sand	60	0.25	2	0.86	1	0.54	0.6	0.51	0.56	0.79	0.89	0.23	0.27	0.13	0.17	0.17	0.2
Fine sand	120	0.125	3	3.91	4.91	3.28	3.88	3.46	4.02	3.98	4.87	4.98	5.25	2.65	2.82	2.61	2.81
Very fine sand	200	0.075	3.75	35.5	40.41	33.93	37.81	33.36	37.39	36.48	41.35	35.93	41.18	6.86	9.68	30.95	33.75
Very fine sand	230	0.0625	4	7.39	47.8	8.09	45.9	8.31	45.7	8.25	49.6	8.02	49.2	16.42	26.1	9.25	43
Coarse silt	Hydrometer	0.0312	5	26.2	74	27.4	73.3	29.1	74.8	28.2	77.8	29.9	79.1	54.1	80.2	32.9	75.9
Very fine silt	Hydrometer	0.0039	8	13.7	87.7	13.3	86.6	14.7	89.5	11	88.8	13.3	92.4	11.3	91.5	14.3	90.2
Clay	Hydrometer	<0.0039	--	12.3	100	13.4	100	10.5	100	11.2	100	7.6	100	8.5	100	9.8	100

Sample ID				**BA9DC01200921-23**		**BA9DC01200925-27**		**BA9DC01200929-31**		**BA9DC01200933-35**		**BA9DC01200937-39**		**BA9DC01200941-43**		**BA9DC01200945-47**	
Depth interval				**20-24 cm**		**24-28 cm**		**28-32 cm**		**32-36 cm**		**36-40 cm**		**40-44 cm**		**44-48 cm**	
Size classification	***Sieve number***	***Particle size*** **(mm)**	***Phi interval***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***
Medium pebble	3/8	9.5	-3.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small pebble	4	4.75	-2.25	0	0	0	0	0	0	0	0	0	0	0.41	0.41	0	0
Gravel	10	2	-1	0	0	0.13	0.13	0.02	0.02	0.16	0.16	0.09	0.09	0.74	1.15	0.06	0.06
Very coarse sand	18	1	0	0.03	0.03	0.22	0.35	0.07	0.09	0.12	0.27	0.09	0.19	0.1	1.25	0.17	0.22
Coarse sand	35	0.5	1	0.05	0.08	0.12	0.46	0.13	0.22	0.13	0.41	0.12	0.3	0.15	1.4	0.1	0.33
Medium sand	60	0.25	2	0.23	0.3	0.32	0.78	0.22	0.44	0.56	0.97	0.36	0.66	0.3	1.7	0.22	0.54
Fine sand	120	0.125	3	2.99	3.29	3.41	4.19	3.14	3.58	3.91	4.88	2.96	3.63	2.64	4.34	2.61	3.16
Very fine sand	200	0.075	3.75	30.85	34.15	30.94	35.13	31.36	34.93	28.78	33.66	26.51	30.14	27.6	31.94	27.52	30.68
Very fine sand	230	0.0625	4	8.55	42.7	7.87	43	7.87	42.8	7.24	40.9	6.76	36.9	6.76	38.7	7.32	38
Coarse silt	Hydrometer	0.0312	5	32.3	75	30.2	73.2	30.8	73.6	29.1	70	27.4	64.3	25.8	64.5	27	65
Very fine silt	Hydrometer	0.0039	8	16.4	91.4	17.3	90.5	16.4	90	19.1	89.1	25.2	89.5	27.3	91.8	26.6	91.6
Clay	Hydrometer	<0.0039	--	8.6	100	9.5	100	10	100	10.9	100	10.5	100	8.2	100	8.4	100

Notes
1. Grain size test method: ASTM D422, *Standard Test Method for Particle-Size Analysis of Soils*
2. Size classification is per the Wentworth Soil Classification System.

Table 37 - Particle Size Results for Sediment Core ID BA10DC
Pre-Design Investigation
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				**BA10DC01200901**		**BA10DC01200903**		**BA10DC01200905**		**BA10DC01200907**		**BA10DC01200909-11**		**BA10DC01200913-15**		**BA10DC01200917-19**	
Depth interval				**0-2 cm**		**2-4 cm**		**4-6 cm**		**6-8 cm**		**8-12 cm**		**12-16 cm**		**16-20 cm**	
Size classification	***Sieve number***	***Particle size*** **(mm)**	***Phi interval***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***
Large pebble	3/4	19	-4.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Medium pebble	3/8	9.5	-3.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small pebble	4	4.75	-2.25	0	0	0	0	0	0	0	0	0	0	0	0	0.11	0.11
Gravel	10	2	-1	0	0	0	0	0	0	0.03	0.03	0	0	0.03	0.03	0.54	0.65
Very coarse sand	18	1	0	0	0	0	0	0.03	0.03	0.04	0.07	0.04	0.04	0.07	0.1	0.64	1.28
Coarse sand	35	0.5	1	0.19	0.19	0.14	0.14	0.09	0.12	0.09	0.16	0.11	0.15	0.2	0.3	0.8	2.08
Medium sand	60	0.25	2	1.19	1.39	1.1	1.25	1.04	1.16	0.88	1.04	0.73	0.88	0.8	1.1	1.67	3.75
Fine sand	120	0.125	3	9.44	10.83	10.88	12.12	10.52	11.68	8.46	9.5	8.07	8.95	6.68	7.78	10.05	13.8
Very fine sand	200	0.075	3.75	50.66	61.48	46.55	58.67	47.11	58.79	48.82	58.32	44.23	53.18	41.91	49.69	43.27	57.07
Very fine sand	230	0.0625	4	3.82	65.3	3.73	62.4	4.11	62.9	4.18	62.5	3.92	57.1	4.41	54.1	3.33	60.4
Coarse silt	Hydrometer	0.0312	5	12.7	78	13.2	75.6	14.3	77.2	14.1	76.6	14.9	72	17	71.1	12.8	73.2
Very fine silt	Hydrometer	0.0039	8	11.5	89.5	13.6	89.2	12.4	89.6	12.9	89.5	18.1	90.1	19.4	90.5	17.7	90.9
Clay	Hydrometer	<0.0039	--	10.5	100	10.8	100	10.4	100	10.5	100	9.9	100	9.5	100	9.1	100

Sample ID				**BA10DC01200921-23**		**BA10DC01200925-27**		**BA10DC01200929-31**		**BA10DC01200933-35**		**BA10DC01200937-39**		**BA10DC01200941**	
Depth interval				**20-24 cm**		**24-28 cm**		**28-32 cm**		**32-36 cm**		**36-40 cm**		**40-42 cm**	
Size classification	***Sieve number***	***Particle size*** **(mm)**	***Phi interval***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***	***Percent retained***	***Cumulative percent retained***
Large pebble	3/4	19	-4.25	0	0	0	0	0	0	0	0	0	0	0	0
Medium pebble	3/8	9.5	-3.25	0	0	0	0	0.14	0.14	0.07	0.07	0.23	0.23	0	0
Small pebble	4	4.75	-2.25	0.26	0.26	0.11	0.11	1.34	1.48	2.26	2.33	0.87	1.11	0.7	0.71
Gravel	10	2	-1	0.27	0.54	0.4	0.51	1.18	2.66	2.97	5.3	1.56	2.67	1.78	2.48
Very coarse sand	18	1	0	0.25	0.79	0.44	0.95	0.9	3.56	1.62	6.92	0.96	3.63	0.72	3.2
Coarse sand	35	0.5	1	0.5	1.29	0.56	1.5	0.57	4.14	1.11	8.03	0.53	4.17	0.44	3.64
Medium sand	60	0.25	2	1.5	2.79	1.19	2.69	0.78	4.92	0.86	8.89	0.53	4.7	0.49	4.13
Fine sand	120	0.125	3	8.94	11.72	6.41	9.1	5.87	10.79	8.21	17.09	5.55	10.24	5.81	9.94
Very fine sand	200	0.075	3.75	35.69	47.41	45.12	54.22	47.66	58.45	41.71	58.81	47.39	57.63	49.82	59.76
Very fine sand	230	0.0625	4	4.19	51.6	3.78	58	3.25	61.7	3.39	62.2	3.97	61.6	4.34	64.1
Coarse silt	Hydrometer	0.0312	5	15.8	67.4	14.4	72.4	12.3	74	12.1	74.3	12.8	74.4	14.3	78.4
Very fine silt	Hydrometer	0.0039	8	22.5	89.9	19.4	91.8	17.5	91.5	18.1	92.4	17.9	92.3	11.9	90.3
Clay	Hydrometer	<0.0039	--	10.1	100	8.2	100	8.5	100	7.6	100	7.7	100	9.7	100

Notes
1. Grain size test method: ASTM D422, *Standard Test Method for Particle-Size Analysis of Soils*
2. Size classification is per the Wentworth Soil Classification System.