

APPENDIX G
GRAIN SIZE RESULTS – OUTFALL AREA

Table 1 - Testing Results for Sediment Core ID OA01012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA0101 201301		OA0101 201303		OA0101 201305		OA0101 201307		OA0101 201309-11	
Depth Interval				0-2 cm		2-4 cm		4-6 cm		6-8 cm		8-12 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-1	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.0	0.0
Very coarse sand	18	1.00	0	0.0	0.0	0.0	0.0	0.1	0.1	0.3	0.8	0.0	0.0
Coarse sand	35	0.50	1	0.0	0.1	0.1	0.1	0.1	0.2	3.1	3.9	0.1	0.1
Medium sand	60	0.25	2	1.2	1.3	1.5	1.6	2.2	2.3	10.8	14.7	3.9	4.0
Fine sand	120	0.125	3	8.9	10.2	10.2	11.7	15.0	17.4	6.2	20.9	13.7	17.6
Very fine sand	200	0.075	3.75	16.3	26.6	15.6	27.3	15.5	32.8	13.1	34.0	13.5	31.1
Very fine sand	230	0.0625	4	9.9	36.5	8.6	35.9	6.4	39.3	4.6	38.6	8.6	39.7
Coarse silt	Hydrometer	0.0312	5	20.9	57.4	22.8	58.7	18.6	57.9	15.1	53.7	24.8	64.5
Very fine silt	Hydrometer	0.0039	8	13.7	71.1	20.6	79.3	23.0	81.0	22.6	76.3	21.4	86.0
Clay	Hydrometer	<0.0039	--	28.9	100.0	20.7	100.0	19.0	100.0	23.7	100.0	14.0	100.0

Notes:

1. Particle 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 1 - Testing Results for Sediment Core ID OA01012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA0101 201313-15		OA0101 201317-19		OA0101 201321-23		OA0101 201325-27		OA0101 201329-31	
Depth Interval				12-16 cm		16-20 cm		20-24 cm		24-28 cm		28-32 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
Very coarse sand	18	1.00	0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.1
Coarse sand	35	0.50	1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.0	0.1
Medium sand	60	0.25	2	3.0	3.2	0.5	0.6	0.3	0.4	0.6	0.8	0.2	0.3
Fine sand	120	0.125	3	16.0	19.1	2.4	2.9	2.7	3.2	8.8	9.6	1.9	2.2
Very fine sand	200	0.075	3.75	16.4	35.5	2.5	5.4	3.4	6.6	6.0	15.6	9.4	11.6
Very fine sand	230	0.0625	4	1.9	37.4	20.6	26.0	12.2	18.8	6.5	22.1	13.0	24.6
Coarse silt	Hydrometer	0.0312	5	16.2	53.6	47.7	73.8	38.3	57.1	26.1	48.2	35.3	59.9
Very fine silt	Hydrometer	0.0039	8	27.6	81.1	10.7	84.4	20.5	77.5	25.3	73.5	26.0	86.0
Clay	Hydrometer	<0.0039	--	18.9	100.0	15.6	100.0	22.5	100.0	26.5	100.0	14.0	100.0

Notes:

1. Particle 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 1 - Testing Results for Sediment Core ID OA01012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA0101 201333-35		OA0101 201337-39		OA0101 201341-43		OA0101 201345-47		OA0101 201349-51	
Depth Interval				32-36 cm		36-40 cm		40-44 cm		44-48 cm		48-52 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-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	1.00	0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Coarse sand	35	0.50	1	0.1	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1
Medium sand	60	0.25	2	0.2	0.3	0.1	0.2	0.1	0.2	0.1	0.1	0.1	0.2
Fine sand	120	0.125	3	1.2	1.5	0.4	0.6	0.4	0.6	0.4	0.5	0.5	0.6
Very fine sand	200	0.075	3.75	14.1	15.6	17.5	18.1	13.6	14.1	21.2	21.7	32.2	32.9
Very fine sand	230	0.0625	4	12.5	28.1	13.0	31.0	12.6	26.7	13.4	35.1	9.6	42.5
Coarse silt	Hydrometer	0.0312	5	32.1	60.2	32.4	63.4	31.6	58.3	33.6	68.7	24.0	66.5
Very fine silt	Hydrometer	0.0039	8	27.4	87.7	28.2	91.6	34.3	92.6	25.5	94.2	26.8	93.3
Clay	Hydrometer	<0.0039	--	12.3	100.0	8.4	100.0	7.4	100.0	5.8	100.0	6.7	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA02012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA0201 201301		OA0201 201303		OA0201 201305		OA0201 201307		OA0201 201309-11	
Depth Interval				0-2 cm		2-4 cm		4-6 cm		6-8 cm		8-12 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-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	1.00	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
Coarse sand	35	0.50	1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
Medium sand	60	0.25	2	0.7	0.7	1.0	1.1	1.1	1.2	1.9	2.0	1.5	1.7
Fine sand	120	0.125	3	5.8	6.5	6.9	8.1	6.9	8.1	8.7	10.7	12.9	14.6
Very fine sand	200	0.075	3.75	17.5	24.0	22.9	31.0	17.4	25.6	21.7	32.4	21.4	36.0
Very fine sand	230	0.0625	4	9.7	33.7	8.4	39.4	8.3	33.8	7.7	40.1	10.2	46.2
Coarse silt	Hydrometer	0.0312	5	23.8	57.4	21.6	61.0	20.4	54.2	20.3	60.4	26.1	72.3
Very fine silt	Hydrometer	0.0039	8	17.9	75.3	19.6	80.6	23.0	77.2	21.3	81.6	17.7	90.0
Clay	Hydrometer	<0.0039	--	24.7	100.0	19.4	100.0	22.8	100.0	18.4	100.0	10.0	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA02012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA0201 201313-15		OA0201 201317-19		OA0201 201321-23		OA0201 201325-27		OA0201 201329-31	
Depth Interval				12-16 cm		16-20 cm		20-24 cm		24-28 cm		28-32 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-1	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	0.0	0.0
Very coarse sand	18	1.00	0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.2	0.0	0.0
Coarse sand	35	0.50	1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	1.3	0.1	0.1
Medium sand	60	0.25	2	1.3	1.4	1.3	1.4	1.7	1.7	1.1	2.4	0.9	1.0
Fine sand	120	0.125	3	8.0	9.3	5.1	6.4	6.4	8.2	6.3	8.7	4.8	5.7
Very fine sand	200	0.075	3.75	26.8	36.1	23.4	29.8	24.0	32.2	24.3	33.0	18.6	24.4
Very fine sand	230	0.0625	4	6.8	42.9	8.6	38.4	9.2	41.4	7.1	40.1	9.9	34.2
Coarse silt	Hydrometer	0.0312	5	20.6	63.5	24.6	63.0	25.6	67.0	20.6	60.7	28.6	62.8
Very fine silt	Hydrometer	0.0039	8	25.6	89.1	26.0	89.0	22.8	89.8	28.5	89.3	24.8	87.6
Clay	Hydrometer	<0.0039	--	10.9	100.0	11.0	100.0	10.2	100.0	10.7	100.0	12.4	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA02012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA0201 201333-35		OA0201 201337-39		OA0201 201341-43		OA0201 201345-47		OA0201 201349-51	
Depth Interval				32-36 cm		36-40 cm		40-44 cm		44-48 cm		48-52 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-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	1.00	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Coarse sand	35	0.50	1	0.1	0.2	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.1
Medium sand	60	0.25	2	1.6	1.7	0.4	0.5	0.4	0.5	0.5	0.6	0.3	0.3
Fine sand	120	0.125	3	5.3	7.1	2.7	3.2	3.2	3.7	4.8	5.4	2.5	2.8
Very fine sand	200	0.075	3.75	18.8	25.9	13.7	16.9	14.1	17.7	8.7	14.0	13.9	16.8
Very fine sand	230	0.0625	4	7.5	33.4	11.5	28.4	9.7	27.5	11.7	25.7	9.7	26.5
Coarse silt	Hydrometer	0.0312	5	20.2	53.6	33.4	61.8	32.0	59.4	35.4	61.1	32.7	59.3
Very fine silt	Hydrometer	0.0039	8	35.1	88.7	26.0	87.9	26.9	86.3	21.3	82.4	25.7	85.0
Clay	Hydrometer	<0.0039	--	11.3	100.0	12.1	100.0	13.7	100.0	17.6	100.0	15.0	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA02012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA0201 201353-55		OA0201 201357-59		OA0201 201361-63		OA0201 201365-67		OA0201 201369-71	
Depth Interval				52-56 cm		56-60 cm		60-64 cm		64-68 cm		68-72 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-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	1.00	0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.2	0.2
Coarse sand	35	0.50	1	0.1	0.2	0.1	0.2	0.1	0.2	0.1	0.1	0.1	0.3
Medium sand	60	0.25	2	0.2	0.5	0.1	0.3	0.2	0.3	0.2	0.3	0.1	0.4
Fine sand	120	0.125	3	1.6	2.1	0.9	1.2	1.5	1.8	1.0	1.3	1.2	1.6
Very fine sand	200	0.075	3.75	20.3	22.4	30.7	31.9	21.4	23.2	29.8	31.0	29.9	31.5
Very fine sand	230	0.0625	4	9.6	32.0	7.2	39.1	9.7	32.9	8.7	39.7	9.2	40.7
Coarse silt	Hydrometer	0.0312	5	28.1	60.1	18.3	57.3	24.1	57.0	22.1	61.8	22.9	63.6
Very fine silt	Hydrometer	0.0039	8	27.3	87.4	32.5	89.8	33.5	90.5	29.2	91.0	28.7	92.3
Clay	Hydrometer	<0.0039	--	12.6	100.0	10.2	100.0	9.5	100.0	9.0	100.0	7.7	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA02012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA0201 201373-75		OA0201 201377	
Depth Interval				72-76 cm		76-77 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-3.25	0.0	0.0	0.0	0.0
Small pebble	4	4.75	-2.25	0.0	0.0	0.0	0.0
Gravel	10	2.00	-1	0.0	0.0	0.0	0.0
Very coarse sand	18	1.00	0	0.1	0.1	0.1	0.1
Coarse sand	35	0.50	1	0.1	0.1	0.1	0.2
Medium sand	60	0.25	2	0.1	0.3	0.2	0.3
Fine sand	120	0.125	3	0.8	1.1	1.1	1.4
Very fine sand	200	0.075	3.75	36.7	37.8	25.8	27.2
Very fine sand	230	0.0625	4	7.9	45.7	12.5	39.6
Coarse silt	Hydrometer	0.0312	5	19.7	65.4	29.4	69.0
Very fine silt	Hydrometer	0.0039	8	27.4	92.9	14.3	83.2
Clay	Hydrometer	<0.0039	--	7.1	100.0	16.8	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA03012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA0301 201301		OA0301 201303		OA0301 201305		OA0301 201307		OA0301 201309-11	
Depth Interval				0-2 cm		2-4 cm		4-6 cm		6-8 cm		8-12 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-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	1.00	0	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.3	0.0	0.0
Coarse sand	35	0.50	1	0.1	0.2	0.0	0.1	0.1	0.2	0.1	0.4	0.1	0.2
Medium sand	60	0.25	2	0.4	0.6	0.6	0.7	1.6	1.8	2.0	2.4	3.1	3.3
Fine sand	120	0.125	3	2.2	2.8	2.9	3.6	4.4	6.2	5.6	8.0	7.7	11.0
Very fine sand	200	0.075	3.75	11.3	14.1	10.8	14.4	7.7	13.9	11.7	19.7	16.9	27.8
Very fine sand	230	0.0625	4	4.9	19.0	7.2	21.6	9.6	23.5	4.6	24.3	7.4	35.3
Coarse silt	Hydrometer	0.0312	5	16.0	35.0	21.2	42.8	25.7	49.2	15.6	39.9	26.0	61.2
Very fine silt	Hydrometer	0.0039	8	35.1	70.0	29.9	72.7	26.5	75.8	28.5	68.5	23.9	85.2
Clay	Hydrometer	<0.0039	--	30.0	100.0	27.3	100.0	24.2	100.0	31.5	100.0	14.8	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA03012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA0301 201313-15		OA0301 201317-19		OA0301 201321-23		OA0301 201325-27		OA0301 201329-31	
Depth Interval				12-16 cm		16-20 cm		20-24 cm		24-28 cm		28-32 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-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	1.00	0	0.3	0.3	1.1	1.1	0.1	0.1	0.1	0.1	0.0	0.0
Coarse sand	35	0.50	1	0.1	0.4	0.2	1.3	0.2	0.3	0.1	0.2	0.1	0.1
Medium sand	60	0.25	2	5.1	5.5	6.7	8.0	4.7	5.0	0.9	1.1	0.4	0.5
Fine sand	120	0.125	3	15.3	20.9	20.9	28.9	16.4	21.4	5.9	7.0	2.0	2.4
Very fine sand	200	0.075	3.75	14.6	35.4	13.5	42.5	10.7	32.1	9.2	16.2	10.2	12.6
Very fine sand	230	0.0625	4	1.5	37.0	1.7	44.2	3.7	35.8	7.8	24.1	8.9	21.5
Coarse silt	Hydrometer	0.0312	5	14.9	51.9	17.5	61.6	21.0	56.9	28.8	52.8	24.9	46.5
Very fine silt	Hydrometer	0.0039	8	24.5	76.4	17.8	79.4	17.4	74.3	28.1	80.9	39.1	85.5
Clay	Hydrometer	<0.0039	--	23.6	100.0	20.6	100.0	25.7	100.0	19.1	100.0	14.5	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA03012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA0301 201333-35		OA0301 201337-39		OA0301 201341-43		OA0301 201345-47		OA0301 201349-51	
Depth Interval				32-36 cm		36-40 cm		40-44 cm		44-48 cm		48-52 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-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	1.00	0	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.0
Coarse sand	35	0.50	1	0.1	0.2	0.1	0.2	0.1	0.2	0.1	0.1	0.1	0.1
Medium sand	60	0.25	2	0.3	0.5	0.2	0.3	0.1	0.3	0.7	0.8	0.1	0.2
Fine sand	120	0.125	3	1.0	1.5	0.7	1.1	0.4	0.7	6.7	7.5	0.5	0.7
Very fine sand	200	0.075	3.75	17.3	18.9	14.3	15.4	17.3	18.0	10.3	17.8	20.9	21.7
Very fine sand	230	0.0625	4	9.7	28.6	10.5	25.9	10.2	28.2	10.9	28.7	10.1	31.8
Coarse silt	Hydrometer	0.0312	5	25.1	53.7	26.2	52.1	25.5	53.7	27.3	56.0	25.4	57.2
Very fine silt	Hydrometer	0.0039	8	34.6	88.2	39.6	91.7	38.2	91.8	35.7	91.7	34.8	92.0
Clay	Hydrometer	<0.0039	--	11.8	100.0	8.3	100.0	8.2	100.0	8.3	100.0	8.0	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA03012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA0301 201353-55		OA0301 201357-59	
Depth Interval				52-56 cm		56-60 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-3.25	0.0	0.0	0.0	0.0
Small pebble	4	4.75	-2.25	0.0	0.0	0.0	0.0
Gravel	10	2.00	-1	0.0	0.0	0.0	0.0
Very coarse sand	18	1.00	0	0.1	0.1	0.1	0.1
Coarse sand	35	0.50	1	0.1	0.2	0.1	0.1
Medium sand	60	0.25	2	0.2	0.3	0.2	0.3
Fine sand	120	0.125	3	0.7	1.1	0.6	0.9
Very fine sand	200	0.075	3.75	23.3	24.3	24.0	24.9
Very fine sand	230	0.0625	4	12.4	36.7	11.9	36.8
Coarse silt	Hydrometer	0.0312	5	30.8	67.6	29.7	66.5
Very fine silt	Hydrometer	0.0039	8	24.4	92.0	26.0	92.5
Clay	Hydrometer	<0.0039	--	8.0	100.0	7.5	100.0

Notes:

1. Particle 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 4 - Testing Results for Sediment Core ID OA04012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA0401 201301		OA0401 201303		OA0401 201305		OA0401 201307		OA0401 201309-11	
Depth Interval				0-2 cm		2-4 cm		4-6 cm		6-8 cm		8-12 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0
Very coarse sand	18	1.00	0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.1	0.1
Coarse sand	35	0.50	1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.4	0.1	0.2
Medium sand	60	0.25	2	0.1	0.2	0.3	0.4	0.4	0.5	0.5	1.0	0.2	0.4
Fine sand	120	0.125	3	1.2	1.3	2.6	3.0	4.0	4.6	7.8	8.8	9.4	9.8
Very fine sand	200	0.075	3.75	10.0	11.3	13.8	16.8	13.2	17.8	13.5	22.3	15.1	24.9
Very fine sand	230	0.0625	4	6.9	18.3	10.8	27.6	5.9	23.6	1.6	23.9	2.6	27.6
Coarse silt	Hydrometer	0.0312	5	15.8	34.1	24.0	51.6	15.8	39.4	6.5	30.4	9.2	36.8
Very fine silt	Hydrometer	0.0039	8	15.6	49.7	14.8	66.4	24.2	63.5	25.1	55.6	29.2	66.0
Clay	Hydrometer	<0.0039	--	50.3	100.0	33.6	100.0	36.5	100.0	44.4	100.0	34.0	100.0

Notes:

1. Particle 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 4 - Testing Results for Sediment Core ID OA04012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA0401 201313-15		OA0401 201317-19		OA0401 201321-23		OA0401 201325-27		OA0401 201329-31	
Depth Interval				12-16 cm		16-20 cm		20-24 cm		24-28 cm		28-32 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-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	1.00	0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
Coarse sand	35	0.50	1	0.2	0.2	0.2	0.3	0.1	0.3	0.1	0.1	0.1	0.1
Medium sand	60	0.25	2	1.0	1.2	1.1	1.5	0.3	0.6	0.3	0.4	0.2	0.3
Fine sand	120	0.125	3	15.7	16.9	6.0	7.4	6.4	7.1	2.5	2.9	1.5	1.8
Very fine sand	200	0.075	3.75	11.7	28.6	11.7	19.1	10.2	17.2	15.6	18.5	15.3	17.1
Very fine sand	230	0.0625	4	6.1	34.7	6.3	25.4	4.5	21.7	7.3	25.8	12.4	29.5
Coarse silt	Hydrometer	0.0312	5	16.1	50.8	17.1	42.5	15.7	37.4	19.1	44.9	30.6	60.1
Very fine silt	Hydrometer	0.0039	8	23.6	74.4	22.8	65.2	31.1	68.4	31.1	76.0	24.4	84.5
Clay	Hydrometer	<0.0039	--	25.6	100.0	34.8	100.0	31.6	100.0	24.0	100.0	15.5	100.0

Notes:

1. Particle 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 4 - Testing Results for Sediment Core ID OA04012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA0401 201333-35		OA0401 201337-39		OA0401 201341-43		OA0401 201345-47		OA0401 201349-51	
Depth Interval				32-36 cm		36-40 cm		40-44 cm		44-48 cm		48-52 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-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	1.00	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Coarse sand	35	0.50	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Medium sand	60	0.25	2	0.1	0.1	0.0	0.1	0.0	0.1	0.1	0.1	0.1	0.1
Fine sand	120	0.125	3	0.3	0.4	0.3	0.4	0.3	0.4	0.4	0.5	0.4	0.5
Very fine sand	200	0.075	3.75	18.1	18.5	16.0	16.4	12.0	12.4	11.2	11.7	16.0	16.5
Very fine sand	230	0.0625	4	9.4	27.9	10.7	27.1	11.8	24.2	13.7	25.4	12.7	29.2
Coarse silt	Hydrometer	0.0312	5	23.6	51.5	26.9	54.0	29.5	53.7	34.2	59.6	31.7	60.9
Very fine silt	Hydrometer	0.0039	8	30.6	82.1	32.0	86.0	38.3	92.0	32.1	91.6	27.1	88.0
Clay	Hydrometer	<0.0039	--	17.9	100.0	14.0	100.0	8.0	100.0	8.4	100.0	12.0	100.0

Notes:

1. Particle 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 4 - Testing Results for Sediment Core ID OA04012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California**

Sample ID				OA0401 201353-55	
Depth Interval				52-56 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-3.25	0.0	0.0
Small pebble	4	4.75	-2.25	0.0	0.0
Gravel	10	2.00	-1	0.0	0.0
Very coarse sand	18	1.00	0	0.0	0.0
Coarse sand	35	0.50	1	0.0	0.0
Medium sand	60	0.25	2	0.1	0.1
Fine sand	120	0.125	3	0.5	0.6
Very fine sand	200	0.075	3.75	20.2	20.8
Very fine sand	230	0.0625	4	12.7	33.5
Coarse silt	Hydrometer	0.0312	5	31.8	65.3
Very fine silt	Hydrometer	0.0039	8	24.9	90.2
Clay	Hydrometer	<0.0039	--	9.8	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA05012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA0501 201301		OA0501 201303		OA0501 201305		OA0501 201307		OA0501 201309-11	
Depth Interval				0-2 cm		2-4 cm		4-6 cm		6-8 cm		8-12 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-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	1.00	0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Coarse sand	35	0.50	1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Medium sand	60	0.25	2	0.1	0.2	0.0	0.1	0.2	0.2	0.4	0.5	0.3	0.4
Fine sand	120	0.125	3	2.3	2.5	1.8	1.9	1.5	1.8	1.6	2.2	2.3	2.7
Very fine sand	200	0.075	3.75	16.1	18.6	13.1	14.9	8.4	10.2	8.4	10.6	11.9	14.6
Very fine sand	230	0.0625	4	9.6	28.1	7.5	22.4	11.0	21.2	5.9	16.4	9.5	24.1
Coarse silt	Hydrometer	0.0312	5	24.6	52.8	19.6	42.0	27.6	48.8	17.4	33.9	26.3	50.4
Very fine silt	Hydrometer	0.0039	8	20.7	73.5	25.8	67.8	27.7	76.5	29.6	63.5	33.7	84.0
Clay	Hydrometer	<0.0039	--	26.5	100.0	32.2	100.0	23.5	100.0	36.5	100.0	16.0	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA05012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA0501 201313-15		OA0501 201317-19		OA0501 201321-23		OA0501 201325-27		OA0501 201329-31	
Depth Interval				12-16 cm		16-20 cm		20-24 cm		24-28 cm		28-32 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-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	1.00	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0
Coarse sand	35	0.50	1	0.1	0.1	0.1	0.2	0.1	0.2	0.1	0.2	0.1	0.1
Medium sand	60	0.25	2	0.7	0.9	0.7	0.9	1.5	1.7	0.3	0.5	4.2	4.3
Fine sand	120	0.125	3	5.0	5.8	6.0	6.9	11.3	13.0	6.7	7.3	22.5	26.8
Very fine sand	200	0.075	3.75	8.5	14.3	8.7	15.5	7.1	20.1	6.4	13.6	12.1	38.9
Very fine sand	230	0.0625	4	8.7	23.0	12.3	27.9	11.0	31.1	10.7	24.3	5.2	44.1
Coarse silt	Hydrometer	0.0312	5	25.2	48.1	32.7	60.5	27.5	58.6	32.3	56.6	18.8	62.9
Very fine silt	Hydrometer	0.0039	8	35.9	84.0	20.6	81.2	16.6	75.2	18.4	75.0	15.3	78.2
Clay	Hydrometer	<0.0039	--	16.0	100.0	18.8	100.0	24.8	100.0	25.0	100.0	21.8	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA05012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA0501 201333-35		OA0501 201337-39		OA0501 201341-43		OA0501 201345-47		OA0501 201349-51	
Depth Interval				32-36 cm		36-40 cm		40-44 cm		44-48 cm		48-52 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-1	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	1.2	1.2
Very coarse sand	18	1.00	0	0.2	0.2	0.4	0.4	0.3	0.4	0.4	0.4	0.0	1.2
Coarse sand	35	0.50	1	0.2	0.3	2.5	2.9	0.5	0.9	0.9	1.4	2.4	3.6
Medium sand	60	0.25	2	1.3	1.6	5.2	8.1	3.0	3.8	3.9	5.2	5.7	9.3
Fine sand	120	0.125	3	16.9	18.5	10.5	18.7	11.0	14.8	8.4	13.6	8.4	17.7
Very fine sand	200	0.075	3.75	10.4	29.0	6.2	24.9	6.9	21.7	5.1	18.7	4.7	22.4
Very fine sand	230	0.0625	4	10.8	39.7	12.8	37.8	4.3	26.0	9.4	28.1	3.5	25.9
Coarse silt	Hydrometer	0.0312	5	26.0	65.8	28.2	65.9	18.9	44.8	27.3	55.3	22.5	48.4
Very fine silt	Hydrometer	0.0039	8	12.0	77.8	11.9	77.8	23.7	68.6	21.0	76.3	28.1	76.5
Clay	Hydrometer	<0.0039	--	22.2	100.0	22.2	100.0	31.4	100.0	23.7	100.0	23.5	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA05012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA0501 201353-55		OA0501 201357-59		OA0501 201361-63		OA0501 201365-67		OA0501 201369-71	
Depth Interval				52-56 cm		56-60 cm		60-64 cm		64-68 cm		68-72 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0
Very coarse sand	18	1.00	0	0.4	0.4	0.2	0.2	0.1	0.1	0.1	0.2	0.0	0.0
Coarse sand	35	0.50	1	0.7	1.1	0.4	0.6	0.2	0.3	0.2	0.4	0.1	0.1
Medium sand	60	0.25	2	1.9	3.0	0.6	1.2	0.6	0.9	0.3	0.7	0.2	0.3
Fine sand	120	0.125	3	7.7	10.7	4.1	5.3	5.9	6.8	2.8	3.6	2.6	2.9
Very fine sand	200	0.075	3.75	9.5	20.2	12.0	17.3	16.7	23.5	22.7	26.2	18.5	21.4
Very fine sand	230	0.0625	4	8.1	28.3	9.0	26.3	8.5	32.0	6.9	33.1	9.7	31.0
Coarse silt	Hydrometer	0.0312	5	24.2	52.5	23.3	49.5	21.9	54.0	17.4	50.6	24.3	55.3
Very fine silt	Hydrometer	0.0039	8	27.9	80.4	35.8	85.4	31.7	85.7	39.8	90.4	35.9	91.2
Clay	Hydrometer	<0.0039	--	19.6	100.0	14.6	100.0	14.3	100.0	9.6	100.0	8.8	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA05012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA0501 201373-75		OA0501 201377-79		OA0501 201381-83	
Depth Interval				72-76 cm		76-80 cm		80-84 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-1	0.0	0.0	0.0	0.0	0.0	0.0
Very coarse sand	18	1.00	0	0.0	0.0	0.0	0.0	0.0	0.0
Coarse sand	35	0.50	1	0.0	0.1	0.0	0.0	0.0	0.0
Medium sand	60	0.25	2	0.1	0.2	0.0	0.1	0.1	0.1
Fine sand	120	0.125	3	0.6	0.7	0.3	0.4	0.4	0.5
Very fine sand	200	0.075	3.75	10.0	10.7	10.6	11.0	12.9	13.4
Very fine sand	230	0.0625	4	11.7	22.4	11.3	22.4	12.9	26.3
Coarse silt	Hydrometer	0.0312	5	29.3	51.7	28.4	50.7	32.1	58.4
Very fine silt	Hydrometer	0.0039	8	36.8	88.5	38.4	89.1	31.1	89.5
Clay	Hydrometer	<0.0039	--	11.5	100.0	10.9	100.0	10.5	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA05022013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA0502 201301		OA0502 201303		OA0502 201305		OA0502 201307		OA0502 201309-11	
Depth Interval				0-2 cm		2-4 cm		4-6 cm		6-8 cm		8-12 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-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	1.00	0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1
Coarse sand	35	0.50	1	0.2	0.2	0.1	0.1	0.2	0.2	0.1	0.2	0.2	0.3
Medium sand	60	0.25	2	0.2	0.4	0.3	0.4	0.7	0.9	0.3	0.5	0.8	1.2
Fine sand	120	0.125	3	1.6	2.1	2.2	2.5	2.8	3.7	6.6	7.1	3.2	4.4
Very fine sand	200	0.075	3.75	10.5	12.6	12.7	15.3	19.1	22.8	16.1	23.2	14.7	19.1
Very fine sand	230	0.0625	4	4.3	16.9	7.4	22.6	7.8	30.6	6.8	30.0	10.0	29.1
Coarse silt	Hydrometer	0.0312	5	19.5	36.4	19.0	41.7	21.9	52.4	17.9	47.8	28.4	57.6
Very fine silt	Hydrometer	0.0039	8	33.0	69.4	24.5	66.2	23.3	75.8	24.8	72.6	27.0	84.6
Clay	Hydrometer	<0.0039	--	30.6	100.0	33.8	100.0	24.2	100.0	27.4	100.0	15.4	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA05022013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA0502 201313-15		OA0502 201317-19		OA0502 201321-23		OA0502 201325-27		OA0502 201329-31	
Depth Interval				12-16 cm		16-20 cm		20-24 cm		24-28 cm		28-32 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-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	1.00	0	0.0	0.0	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.2
Coarse sand	35	0.50	1	0.1	0.1	0.6	0.9	0.3	0.6	0.3	0.5	0.4	0.6
Medium sand	60	0.25	2	0.7	0.8	1.3	2.2	1.4	2.1	1.6	2.2	2.9	3.5
Fine sand	120	0.125	3	5.4	6.3	9.8	12.0	12.9	15.0	17.7	19.9	15.6	19.1
Very fine sand	200	0.075	3.75	14.4	20.6	15.3	27.4	11.0	26.0	12.2	32.1	10.7	29.8
Very fine sand	230	0.0625	4	10.1	30.7	4.6	32.0	6.6	32.6	5.1	37.2	8.6	38.4
Coarse silt	Hydrometer	0.0312	5	28.2	58.9	20.6	52.6	24.8	57.3	18.6	55.8	25.5	63.9
Very fine silt	Hydrometer	0.0039	8	24.6	83.5	29.1	81.7	21.4	78.8	17.0	72.8	15.2	79.0
Clay	Hydrometer	<0.0039	--	16.5	100.0	18.3	100.0	21.2	100.0	27.2	100.0	21.0	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA05022013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA0502 201333-35		OA0502 201337-39		OA0502 201341-43		OA0502 201345-47		OA0502 201349-51	
Depth Interval				32-36 cm		36-40 cm		40-44 cm		44-48 cm		48-52 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.0
Very coarse sand	18	1.00	0	0.9	1.0	0.3	0.5	0.5	0.7	0.3	0.3	0.1	0.1
Coarse sand	35	0.50	1	0.6	1.6	0.4	0.9	0.4	1.1	0.3	0.7	0.3	0.4
Medium sand	60	0.25	2	2.1	3.7	0.8	1.7	1.3	2.3	0.9	1.5	1.2	1.6
Fine sand	120	0.125	3	15.1	18.8	11.7	13.5	10.6	13.0	7.3	8.8	7.0	8.6
Very fine sand	200	0.075	3.75	11.1	30.0	8.3	21.8	11.8	24.7	8.0	16.8	9.1	17.7
Very fine sand	230	0.0625	4	2.6	32.5	2.2	24.0	3.7	28.4	3.3	20.1	5.1	22.8
Coarse silt	Hydrometer	0.0312	5	16.7	49.2	18.9	42.8	22.1	50.6	17.8	37.9	21.3	44.1
Very fine silt	Hydrometer	0.0039	8	21.0	70.2	21.1	63.9	16.3	66.8	32.0	69.9	31.2	75.3
Clay	Hydrometer	<0.0039	--	29.8	100.0	36.1	100.0	33.2	100.0	30.1	100.0	24.7	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA05022013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA0502 201353-55		OA0502 201357-59		OA0502 201361-63		OA0502 201365-67		OA0502 201369-71	
Depth Interval				52-56 cm		56-60 cm		60-64 cm		64-68 cm		68-72 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
Very coarse sand	18	1.00	0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7
Coarse sand	35	0.50	1	0.2	0.3	0.1	0.1	0.0	0.1	0.0	0.0	0.2	0.9
Medium sand	60	0.25	2	0.7	1.0	0.2	0.3	0.1	0.2	0.0	0.1	0.2	1.1
Fine sand	120	0.125	3	9.9	10.9	2.9	3.2	1.7	1.8	1.3	1.3	1.8	2.9
Very fine sand	200	0.075	3.75	11.2	22.1	12.8	16.0	17.3	19.1	14.5	15.9	13.7	16.6
Very fine sand	230	0.0625	4	3.1	25.2	13.5	29.5	9.7	28.8	9.9	25.7	9.6	26.2
Coarse silt	Hydrometer	0.0312	5	18.9	44.1	29.8	59.3	24.8	53.6	24.7	50.4	25.1	51.4
Very fine silt	Hydrometer	0.0039	8	27.5	71.6	21.3	80.6	31.6	85.2	39.4	89.8	31.4	82.7
Clay	Hydrometer	<0.0039	--	28.4	100.0	19.4	100.0	14.8	100.0	10.2	100.0	17.3	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA05022013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA0502 201373-75		OA0502 201377-79		OA0502 201381-83		OA0502 201385	
Depth Interval				72-76 cm		76-80 cm		80-84 cm		84-86 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Very coarse sand	18	1.00	0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Coarse sand	35	0.50	1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1
Medium sand	60	0.25	2	0.1	0.2	0.1	0.2	0.1	0.1	0.1	0.1
Fine sand	120	0.125	3	0.8	1.0	0.3	0.5	0.5	0.6	0.4	0.6
Very fine sand	200	0.075	3.75	13.5	14.6	12.9	13.3	16.0	16.7	16.8	17.3
Very fine sand	230	0.0625	4	10.6	25.2	11.4	24.8	13.0	29.6	12.5	29.8
Coarse silt	Hydrometer	0.0312	5	26.6	51.9	29.1	53.9	32.2	61.8	30.4	60.2
Very fine silt	Hydrometer	0.0039	8	36.5	88.3	34.9	88.7	28.2	90.0	21.9	82.1
Clay	Hydrometer	<0.0039	--	11.7	100.0	11.3	100.0	10.0	100.0	17.9	100.0

Notes:

1. Particle 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 7 - Testing Results for Sediment Core ID OA06012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA0601 201301		OA0601 201303		OA0601 201305		OA0601 201307		OA0601 201309-11	
Depth Interval				0-2 cm		2-4 cm		4-6 cm		6-8 cm		8-12 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-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	1.00	0	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1
Coarse sand	35	0.50	1	0.3	0.4	0.1	0.2	0.1	0.2	0.1	0.2	0.3	0.4
Medium sand	60	0.25	2	0.7	1.2	0.7	0.9	0.9	1.1	0.8	1.0	1.4	1.8
Fine sand	120	0.125	3	3.3	4.5	3.4	4.4	3.4	4.4	4.8	5.8	6.4	8.2
Very fine sand	200	0.075	3.75	18.4	22.9	17.0	21.3	17.4	21.8	20.9	26.7	22.3	30.5
Very fine sand	230	0.0625	4	4.0	26.8	7.6	28.9	7.3	29.2	8.9	35.5	7.8	38.3
Coarse silt	Hydrometer	0.0312	5	12.4	39.3	20.4	49.3	19.3	48.4	21.8	57.4	21.9	60.1
Very fine silt	Hydrometer	0.0039	8	20.5	59.8	21.9	71.2	21.9	70.4	20.2	77.6	25.5	85.6
Clay	Hydrometer	<0.0039	--	40.2	100.0	28.8	100.0	29.6	100.0	22.4	100.0	14.4	100.0

Notes:

1. Particle 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 7 - Testing Results for Sediment Core ID OA06012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA0601 201313-15		OA0601 201317-19		OA0601 201321-23		OA0601 201325-27		OA0601 201329-31	
Depth Interval				12-16 cm		16-20 cm		20-24 cm		24-28 cm		28-32 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-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	1.00	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
Coarse sand	35	0.50	1	0.3	0.4	0.5	0.6	0.4	0.5	0.7	0.8	0.6	0.8
Medium sand	60	0.25	2	0.7	1.1	0.7	1.4	0.9	1.4	1.1	1.9	0.8	1.6
Fine sand	120	0.125	3	4.0	5.1	5.5	6.9	4.6	6.0	6.1	8.0	6.2	7.9
Very fine sand	200	0.075	3.75	16.3	21.4	19.3	26.2	16.0	22.0	15.3	23.3	12.2	20.1
Very fine sand	230	0.0625	4	8.5	29.9	8.2	34.4	8.5	30.5	8.0	31.2	8.4	28.5
Coarse silt	Hydrometer	0.0312	5	23.7	53.6	23.2	57.6	24.7	55.2	24.6	55.8	27.2	55.7
Very fine silt	Hydrometer	0.0039	8	29.2	82.8	28.5	86.1	30.0	85.2	29.4	85.2	28.7	84.3
Clay	Hydrometer	<0.0039	--	17.2	100.0	13.9	100.0	14.8	100.0	14.8	100.0	15.7	100.0

Notes:

1. Particle 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 7 - Testing Results for Sediment Core ID OA06012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA0601 201333-35		OA0601 201337-39		OA0601 201341-43		OA0601 201345-47		OA0601 201349-51	
Depth Interval				32-36 cm		36-40 cm		40-44 cm		44-48 cm		48-52 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-1	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Very coarse sand	18	1.00	0	0.4	0.4	0.4	0.4	0.2	0.2	0.4	0.4	0.2	0.2
Coarse sand	35	0.50	1	0.5	0.8	1.0	1.5	0.9	1.1	0.9	1.3	0.6	0.8
Medium sand	60	0.25	2	1.4	2.2	1.5	3.0	1.5	2.6	1.6	2.9	1.1	1.9
Fine sand	120	0.125	3	8.3	10.5	10.4	13.4	9.5	12.1	11.9	14.8	4.5	6.4
Very fine sand	200	0.075	3.75	13.7	24.2	14.2	27.6	12.3	24.4	10.9	25.7	9.2	15.6
Very fine sand	230	0.0625	4	6.5	30.7	4.5	32.1	4.2	28.6	2.7	28.4	4.4	20.0
Coarse silt	Hydrometer	0.0312	5	23.5	54.2	20.7	52.8	22.1	50.7	15.0	43.4	21.6	41.6
Very fine silt	Hydrometer	0.0039	8	27.5	81.7	28.4	81.2	29.4	80.1	31.2	74.6	36.9	78.5
Clay	Hydrometer	<0.0039	--	18.3	100.0	18.8	100.0	19.9	100.0	25.4	100.0	21.5	100.0

Notes:

1. Particle 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 7 - Testing Results for Sediment Core ID OA06012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA0601 201353-55		OA0601 201357-59		OA0601 201361-63		OA0601 201365-67		OA0601 201369-71	
Depth Interval				52-56 cm		56-60 cm		60-64 cm		64-68 cm		68-72 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-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	1.00	0	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.0	0.0
Coarse sand	35	0.50	1	0.2	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
Medium sand	60	0.25	2	0.6	1.0	0.2	0.3	0.2	0.2	0.2	0.3	0.2	0.4
Fine sand	120	0.125	3	4.1	5.0	1.2	1.5	1.3	1.6	1.3	1.6	1.7	2.0
Very fine sand	200	0.075	3.75	19.2	24.2	25.4	26.9	21.6	23.1	22.8	24.4	24.1	26.1
Very fine sand	230	0.0625	4	5.8	30.0	10.0	36.9	10.4	33.5	9.4	33.9	7.8	33.9
Coarse silt	Hydrometer	0.0312	5	19.7	49.7	25.1	62.0	26.0	59.5	23.6	57.4	20.3	54.2
Very fine silt	Hydrometer	0.0039	8	34.4	84.1	28.4	90.3	28.6	88.1	33.0	90.4	35.2	89.4
Clay	Hydrometer	<0.0039	--	15.9	100.0	9.7	100.0	11.9	100.0	9.6	100.0	10.6	100.0

Notes:

1. Particle 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 7 - Testing Results for Sediment Core ID OA06012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California**

Sample ID				OA0601 201373-75	
Depth Interval				72-76 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-3.25	0.0	0.0
Small pebble	4	4.75	-2.25	0.0	0.0
Gravel	10	2.00	-1	0.7	0.7
Very coarse sand	18	1.00	0	0.2	0.9
Coarse sand	35	0.50	1	0.6	1.5
Medium sand	60	0.25	2	1.7	3.2
Fine sand	120	0.125	3	1.9	5.1
Very fine sand	200	0.075	3.75	18.7	23.8
Very fine sand	230	0.0625	4	9.2	33.0
Coarse silt	Hydrometer	0.0312	5	22.9	55.9
Very fine silt	Hydrometer	0.0039	8	29.2	85.2
Clay	Hydrometer	<0.0039	--	14.8	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA07012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA0701 201301		OA0701 201303		OA0701 201305		OA0701 201307		OA0701 201309-11	
Depth Interval				0-2 cm		2-4 cm		4-6 cm		6-8 cm		8-12 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-1	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Very coarse sand	18	1.00	0	0.2	0.2	0.7	0.8	0.3	0.3	0.6	0.6	1.6	1.6
Coarse sand	35	0.50	1	0.4	0.5	1.3	2.1	1.2	1.5	1.1	1.6	3.1	4.7
Medium sand	60	0.25	2	0.9	1.5	1.7	3.8	3.3	4.8	2.7	4.4	7.2	11.9
Fine sand	120	0.125	3	3.2	4.7	4.8	8.6	6.8	11.6	7.4	11.8	12.5	24.4
Very fine sand	200	0.075	3.75	15.8	20.5	14.7	23.3	18.8	30.4	13.9	25.7	12.4	36.8
Very fine sand	230	0.0625	4	6.1	26.7	6.6	30.0	3.5	33.9	5.0	30.7	7.4	44.3
Coarse silt	Hydrometer	0.0312	5	16.8	43.4	18.4	48.4	13.2	47.1	15.2	45.9	18.1	62.3
Very fine silt	Hydrometer	0.0039	8	23.0	66.4	23.3	71.6	26.0	73.0	25.8	71.7	15.3	77.7
Clay	Hydrometer	<0.0039	--	33.6	100.0	28.4	100.0	27.0	100.0	28.3	100.0	22.3	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA07012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA0701 201313-15		OA0701 201317-19		OA0701 201321-23		OA0701 201325-27		OA0701 201329-31	
Depth Interval				12-16 cm		16-20 cm		20-24 cm		24-28 cm		28-32 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-1	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
Very coarse sand	18	1.00	0	0.7	0.7	0.1	0.1	0.7	0.8	0.1	0.1	0.1	0.1
Coarse sand	35	0.50	1	2.8	3.5	0.3	0.4	0.3	1.1	0.2	0.3	0.1	0.1
Medium sand	60	0.25	2	4.4	7.9	1.3	1.8	0.5	1.6	0.6	0.9	0.1	0.3
Fine sand	120	0.125	3	8.2	16.0	4.1	5.8	2.2	3.8	1.7	2.6	0.9	1.1
Very fine sand	200	0.075	3.75	10.2	26.2	12.8	18.6	15.4	19.2	17.4	20.0	15.7	16.8
Very fine sand	230	0.0625	4	5.0	31.2	3.3	21.9	10.4	29.6	10.9	30.9	9.7	26.5
Coarse silt	Hydrometer	0.0312	5	22.6	53.8	16.0	37.9	27.3	56.9	27.4	58.3	24.6	51.1
Very fine silt	Hydrometer	0.0039	8	25.2	79.0	42.3	80.2	30.7	87.6	33.0	91.3	37.9	89.1
Clay	Hydrometer	<0.0039	--	21.0	100.0	19.8	100.0	12.4	100.0	8.7	100.0	10.9	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA07012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA0701 201333-35		OA0701 201337-39		OA0701 201341-43		OA0701 201345-47		OA0701 201349-51	
Depth Interval				32-36 cm		36-40 cm		40-44 cm		44-48 cm		48-52 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-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	1.00	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Coarse sand	35	0.50	1	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.0	0.0
Medium sand	60	0.25	2	0.1	0.2	0.1	0.2	0.1	0.1	0.1	0.2	0.1	0.1
Fine sand	120	0.125	3	0.7	0.9	0.7	0.9	0.5	0.6	0.7	0.9	0.4	0.5
Very fine sand	200	0.075	3.75	15.9	16.9	10.3	11.2	17.0	17.6	14.3	15.3	19.6	20.1
Very fine sand	230	0.0625	4	11.2	28.1	11.0	22.2	9.3	26.9	12.9	28.1	13.7	33.8
Coarse silt	Hydrometer	0.0312	5	28.1	56.2	27.7	49.9	23.3	50.2	31.9	60.1	32.7	66.5
Very fine silt	Hydrometer	0.0039	8	35.1	91.3	36.3	86.1	41.5	91.7	29.8	89.9	23.3	89.8
Clay	Hydrometer	<0.0039	--	8.7	100.0	13.9	100.0	8.3	100.0	10.1	100.0	10.2	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA07012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA0701 201353-55		OA0701 201357	
Depth Interval				52-56 cm		56-57 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-3.25	0.0	0.0	0.0	0.0
Small pebble	4	4.75	-2.25	0.0	0.0	0.0	0.0
Gravel	10	2.00	-1	0.0	0.0	0.0	0.0
Very coarse sand	18	1.00	0	0.0	0.0	0.0	0.0
Coarse sand	35	0.50	1	0.1	0.1	0.1	0.1
Medium sand	60	0.25	2	0.1	0.1	0.1	0.2
Fine sand	120	0.125	3	0.6	0.7	0.5	0.7
Very fine sand	200	0.075	3.75	16.1	16.8	12.8	13.6
Very fine sand	230	0.0625	4	14.5	31.3	11.1	24.7
Coarse silt	Hydrometer	0.0312	5	35.0	66.4	28.4	53.1
Very fine silt	Hydrometer	0.0039	8	23.8	90.1	32.8	85.9
Clay	Hydrometer	<0.0039	--	9.9	100.0	14.1	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA07022013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA0702 201301		OA0702 201303		OA0702 201305		OA0702 201307		OA0702 201309-11	
Depth Interval				0-2 cm		2-4 cm		4-6 cm		6-8 cm		8-12 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
Very coarse sand	18	1.00	0	0.2	0.2	0.3	0.3	0.5	0.5	0.2	0.2	0.2	0.4
Coarse sand	35	0.50	1	0.4	0.5	0.7	1.0	0.6	1.1	0.5	0.7	0.4	0.7
Medium sand	60	0.25	2	0.6	1.1	1.3	2.3	2.7	3.8	1.9	2.6	1.3	2.1
Fine sand	120	0.125	3	2.3	3.4	4.3	6.6	5.7	9.5	4.4	7.0	5.5	7.6
Very fine sand	200	0.075	3.75	13.7	17.1	12.1	18.7	8.3	17.8	8.3	15.3	7.6	15.2
Very fine sand	230	0.0625	4	11.0	28.1	7.6	26.3	8.1	26.0	9.4	24.7	13.1	28.3
Coarse silt	Hydrometer	0.0312	5	27.7	55.8	20.1	46.4	18.7	44.7	23.1	47.8	35.8	64.1
Very fine silt	Hydrometer	0.0039	8	18.3	74.1	23.0	69.4	18.3	63.0	19.6	67.4	19.7	83.8
Clay	Hydrometer	<0.0039	--	25.9	100.0	30.6	100.0	37.0	100.0	32.6	100.0	16.2	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA07022013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA0702 201313-15		OA0702 201317-19		OA0702 201321-23		OA0702 201325-27		OA0702 201329-31	
Depth Interval				12-16 cm		16-20 cm		20-24 cm		24-28 cm		28-32 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
Very coarse sand	18	1.00	0	0.4	0.4	0.1	0.1	0.2	0.2	0.0	0.0	0.1	0.2
Coarse sand	35	0.50	1	0.8	1.2	0.3	0.4	0.4	0.6	1.2	1.2	0.1	0.3
Medium sand	60	0.25	2	1.3	2.5	0.5	0.9	0.7	1.3	1.6	2.8	0.3	0.6
Fine sand	120	0.125	3	5.8	8.3	2.8	3.8	3.2	4.5	4.8	7.6	1.2	1.7
Very fine sand	200	0.075	3.75	7.5	15.8	12.9	16.7	20.2	24.7	15.2	22.8	15.9	17.6
Very fine sand	230	0.0625	4	7.5	23.3	6.5	23.1	5.7	30.4	8.9	31.7	11.0	28.6
Coarse silt	Hydrometer	0.0312	5	26.5	49.8	21.2	44.3	18.0	48.5	22.3	54.0	27.6	56.2
Very fine silt	Hydrometer	0.0039	8	25.6	75.5	35.7	80.0	35.2	83.7	35.4	89.3	34.0	90.2
Clay	Hydrometer	<0.0039	--	24.5	100.0	20.0	100.0	16.3	100.0	10.7	100.0	9.8	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA07022013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA0702 201333-35		OA0702 201337-39		OA0702 201341-43	
Depth Interval				32-36 cm		36-40 cm		40-44 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-1	0.0	0.0	0.0	0.0	0.0	0.0
Very coarse sand	18	1.00	0	0.1	0.1	0.0	0.0	0.0	0.0
Coarse sand	35	0.50	1	0.1	0.1	0.0	0.0	0.0	0.0
Medium sand	60	0.25	2	0.2	0.3	0.1	0.1	0.1	0.1
Fine sand	120	0.125	3	1.0	1.2	0.8	1.0	0.5	0.6
Very fine sand	200	0.075	3.75	16.3	17.5	26.4	27.3	15.8	16.4
Very fine sand	230	0.0625	4	10.7	28.3	9.2	36.5	10.5	26.9
Coarse silt	Hydrometer	0.0312	5	26.9	55.2	23.0	59.6	26.4	53.3
Very fine silt	Hydrometer	0.0039	8	34.6	89.8	31.1	90.7	36.6	89.9
Clay	Hydrometer	<0.0039	--	10.2	100.0	9.3	100.0	10.1	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA08012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA0801 201301		OA0801 201303		OA0801 201305		OA0801 201307		OA0801 201309-11	
Depth Interval				0-2 cm		2-4 cm		4-6 cm		6-8 cm		8-12 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-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	1.00	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0
Coarse sand	35	0.50	1	0.2	0.3	0.2	0.4	0.3	0.4	0.3	0.3	0.2	0.2
Medium sand	60	0.25	2	0.6	0.9	0.5	0.8	0.3	0.7	0.7	1.0	0.5	0.7
Fine sand	120	0.125	3	3.5	4.4	2.8	3.6	2.4	3.1	2.9	3.9	3.2	3.9
Very fine sand	200	0.075	3.75	20.8	25.2	16.1	19.8	14.9	18.0	20.2	24.1	21.4	25.3
Very fine sand	230	0.0625	4	7.8	33.0	8.4	28.2	9.2	27.2	9.4	33.6	10.9	36.2
Coarse silt	Hydrometer	0.0312	5	19.8	52.8	22.1	50.3	23.0	50.2	24.1	57.7	31.0	67.2
Very fine silt	Hydrometer	0.0039	8	18.4	71.2	24.5	74.8	23.5	73.7	21.9	79.6	20.9	88.1
Clay	Hydrometer	<0.0039	--	28.8	100.0	25.2	100.0	26.3	100.0	20.4	100.0	11.9	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA08012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA0801 201313-15		OA0801 201317-19		OA0801 201321-23		OA0801 201325-27		OA0801 201329-31	
Depth Interval				12-16 cm		16-20 cm		20-24 cm		24-28 cm		28-32 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0
Very coarse sand	18	1.00	0	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.1	0.1
Coarse sand	35	0.50	1	0.2	0.3	0.2	0.3	0.2	0.3	0.6	1.0	0.4	0.5
Medium sand	60	0.25	2	0.9	1.2	0.7	1.0	0.9	1.2	2.5	3.4	0.8	1.3
Fine sand	120	0.125	3	4.4	5.7	4.4	5.4	4.2	5.5	10.9	14.4	4.1	5.5
Very fine sand	200	0.075	3.75	16.7	22.4	16.1	21.4	15.9	21.4	16.3	30.7	10.5	16.0
Very fine sand	230	0.0625	4	10.3	32.6	8.6	30.0	9.9	31.3	5.9	36.5	11.0	27.0
Coarse silt	Hydrometer	0.0312	5	29.8	62.5	26.9	56.9	29.3	60.7	20.8	57.3	32.0	59.1
Very fine silt	Hydrometer	0.0039	8	24.6	87.1	28.9	85.9	25.8	86.5	27.0	84.3	23.9	82.9
Clay	Hydrometer	<0.0039	--	12.9	100.0	14.1	100.0	13.5	100.0	15.7	100.0	17.1	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA08012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA0801 201333-35		OA0801 201337-39		OA0801 201341-43		OA0801 201345-47		OA0801 201349-51	
Depth Interval				32-36 cm		36-40 cm		40-44 cm		44-48 cm		48-52 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-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	1.00	0	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1
Coarse sand	35	0.50	1	0.6	0.9	0.5	0.7	0.3	0.5	0.4	0.5	0.2	0.3
Medium sand	60	0.25	2	1.4	2.4	1.2	1.9	0.8	1.2	0.9	1.4	0.4	0.7
Fine sand	120	0.125	3	10.5	12.9	6.7	8.6	5.2	6.4	4.7	6.1	1.5	2.2
Very fine sand	200	0.075	3.75	10.7	23.6	9.9	18.5	15.7	22.1	13.6	19.7	18.3	20.5
Very fine sand	230	0.0625	4	8.4	31.9	9.9	28.5	11.7	33.8	4.5	24.2	14.5	35.0
Coarse silt	Hydrometer	0.0312	5	28.3	60.2	30.8	59.2	30.8	64.6	14.7	38.9	30.5	65.5
Very fine silt	Hydrometer	0.0039	8	20.6	80.8	20.0	79.3	16.1	80.8	33.9	72.7	19.6	85.1
Clay	Hydrometer	<0.0039	--	19.2	100.0	20.7	100.0	19.2	100.0	27.3	100.0	14.9	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA08012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA0801 201353-55		OA0801 201357-59		OA0801 201361-63		OA0801 201365-67		OA0801 201369-71	
Depth Interval				52-56 cm		56-60 cm		60-64 cm		64-68 cm		68-72 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-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	1.00	0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Coarse sand	35	0.50	1	0.3	0.4	0.2	0.3	0.1	0.1	0.1	0.1	0.1	0.1
Medium sand	60	0.25	2	0.3	0.7	0.3	0.5	0.1	0.2	0.2	0.3	0.1	0.2
Fine sand	120	0.125	3	2.7	3.4	1.5	2.0	1.3	1.5	1.3	1.6	0.8	1.1
Very fine sand	200	0.075	3.75	19.0	22.5	21.3	23.3	18.1	19.6	30.3	31.9	18.2	19.3
Very fine sand	230	0.0625	4	10.8	33.3	9.0	32.3	11.0	30.6	2.6	34.5	10.2	29.5
Coarse silt	Hydrometer	0.0312	5	28.4	61.7	22.5	54.8	27.5	58.1	6.5	41.0	25.5	55.0
Very fine silt	Hydrometer	0.0039	8	26.9	88.6	36.2	91.0	32.2	90.3	47.4	88.4	35.3	90.2
Clay	Hydrometer	<0.0039	--	11.4	100.0	9.0	100.0	9.7	100.0	11.6	100.0	9.8	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA08012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA0801 201373-75		OA0801 201377-79	
Depth Interval				72-76 cm		76-80 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-3.25	0.0	0.0	0.0	0.0
Small pebble	4	4.75	-2.25	0.0	0.0	0.0	0.0
Gravel	10	2.00	-1	0.0	0.0	0.0	0.0
Very coarse sand	18	1.00	0	0.0	0.0	0.1	0.1
Coarse sand	35	0.50	1	0.1	0.1	0.1	0.2
Medium sand	60	0.25	2	0.1	0.2	0.1	0.3
Fine sand	120	0.125	3	0.6	0.8	0.8	1.1
Very fine sand	200	0.075	3.75	26.5	27.3	23.4	24.5
Very fine sand	230	0.0625	4	9.1	36.4	13.4	37.8
Coarse silt	Hydrometer	0.0312	5	22.8	59.2	32.9	70.8
Very fine silt	Hydrometer	0.0039	8	32.1	91.3	21.6	92.4
Clay	Hydrometer	<0.0039	--	8.7	100.0	7.6	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA09012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA0901 201301		OA0901 201303		OA0901 201305		OA0901 201307		OA0901 201309-11	
Depth Interval				0-2 cm		2-4 cm		4-6 cm		6-8 cm		8-12 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-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	1.00	0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Coarse sand	35	0.50	1	0.2	0.3	0.2	0.3	0.2	0.3	0.3	0.3	0.2	0.3
Medium sand	60	0.25	2	1.8	2.0	2.1	2.3	1.9	2.2	1.3	1.7	2.1	2.3
Fine sand	120	0.125	3	4.8	6.8	6.9	9.2	5.8	8.0	6.9	8.5	5.9	8.2
Very fine sand	200	0.075	3.75	40.2	47.0	37.0	46.2	40.4	48.3	37.7	46.3	44.9	53.2
Very fine sand	230	0.0625	4	7.0	54.0	7.2	53.4	5.8	54.1	5.1	51.4	6.1	59.3
Coarse silt	Hydrometer	0.0312	5	16.5	70.5	16.6	70.0	14.5	68.6	14.1	65.4	16.7	75.9
Very fine silt	Hydrometer	0.0039	8	8.8	79.2	12.0	82.1	14.0	82.6	13.1	78.5	13.9	89.9
Clay	Hydrometer	<0.0039	--	20.8	100.0	17.9	100.0	17.4	100.0	21.5	100.0	10.1	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA09012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA0901 201313-15		OA0901 201317-19		OA0901 201321-23		OA0901 201325-27		OA0901 201329-31	
Depth Interval				12-16 cm		16-20 cm		20-24 cm		24-28 cm		28-32 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-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	1.00	0	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.1
Coarse sand	35	0.50	1	0.5	0.5	0.4	0.5	0.2	0.2	0.5	0.6	0.6	0.6
Medium sand	60	0.25	2	2.4	2.9	2.5	2.9	1.4	1.6	2.4	3.0	2.8	3.5
Fine sand	120	0.125	3	7.8	10.7	5.9	8.8	6.9	8.5	7.7	10.7	7.3	10.8
Very fine sand	200	0.075	3.75	42.5	53.2	44.5	53.4	41.4	50.0	43.0	53.8	42.3	53.1
Very fine sand	230	0.0625	4	6.2	59.3	6.6	60.0	7.6	57.6	5.9	59.7	5.2	58.3
Coarse silt	Hydrometer	0.0312	5	15.6	74.9	16.7	76.7	19.3	76.9	15.1	74.8	13.3	71.6
Very fine silt	Hydrometer	0.0039	8	14.7	89.6	14.1	90.8	13.9	90.8	16.9	91.7	18.7	90.3
Clay	Hydrometer	<0.0039	--	10.4	100.0	9.2	100.0	9.2	100.0	8.3	100.0	9.7	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA09012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA0901 201333-35		OA0901 201337-39		OA0901 201341-43		OA0901 201345-47		OA0901 201349-51	
Depth Interval				32-36 cm		36-40 cm		40-44 cm		44-48 cm		48-52 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-1	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.3	0.3
Very coarse sand	18	1.00	0	0.2	0.2	0.4	0.5	0.2	0.3	0.4	0.5	0.4	0.7
Coarse sand	35	0.50	1	0.7	0.9	0.8	1.3	0.8	1.1	0.9	1.4	0.9	1.6
Medium sand	60	0.25	2	2.9	3.8	0.9	2.3	2.8	4.0	3.2	4.7	2.7	4.2
Fine sand	120	0.125	3	8.6	12.4	9.4	11.6	8.5	12.4	6.4	11.0	7.9	12.1
Very fine sand	200	0.075	3.75	37.7	50.1	32.2	43.9	35.4	47.8	39.5	50.5	38.2	50.3
Very fine sand	230	0.0625	4	6.4	56.6	7.3	51.2	6.0	53.8	5.2	55.7	4.9	55.3
Coarse silt	Hydrometer	0.0312	5	16.3	72.9	19.2	70.4	15.8	69.7	13.1	68.8	12.8	68.1
Very fine silt	Hydrometer	0.0039	8	17.1	90.0	19.4	89.8	20.6	90.3	22.5	91.3	23.4	91.5
Clay	Hydrometer	<0.0039	--	10.0	100.0	10.2	100.0	9.7	100.0	8.7	100.0	8.5	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA09012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA0901 201353-55		OA0901 201357-59	
Depth Interval				52-56 cm		56-60 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-3.25	0.0	0.0	0.0	0.0
Small pebble	4	4.75	-2.25	0.0	0.0	0.0	0.0
Gravel	10	2.00	-1	0.3	0.3	0.3	0.3
Very coarse sand	18	1.00	0	0.3	0.6	0.3	0.6
Coarse sand	35	0.50	1	0.9	1.5	0.8	1.4
Medium sand	60	0.25	2	3.3	4.8	2.8	4.3
Fine sand	120	0.125	3	7.8	12.6	7.5	11.8
Very fine sand	200	0.075	3.75	43.4	56.0	39.6	51.4
Very fine sand	230	0.0625	4	3.7	59.8	7.2	58.5
Coarse silt	Hydrometer	0.0312	5	9.5	69.2	17.0	75.5
Very fine silt	Hydrometer	0.0039	8	22.6	91.8	16.6	92.1
Clay	Hydrometer	<0.0039	--	8.2	100.0	7.9	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA10012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA1001 201301		OA1001 201303		OA1001 201305		OA1001 201307		OA1001 201309-11	
Depth Interval				0-2 cm		2-4 cm		4-6 cm		6-8 cm		8-12 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
Very coarse sand	18	1.00	0	0.1	0.1	0.1	0.1	0.1	0.1	0.4	0.4	0.3	0.4
Coarse sand	35	0.50	1	0.2	0.3	0.2	0.2	0.3	0.4	0.5	0.8	0.7	1.1
Medium sand	60	0.25	2	0.3	0.5	0.9	1.2	1.3	1.7	1.5	2.4	1.3	2.4
Fine sand	120	0.125	3	1.7	2.2	3.5	4.6	5.8	7.4	5.7	8.1	4.2	6.6
Very fine sand	200	0.075	3.75	17.4	19.6	16.0	20.7	14.0	21.4	9.5	17.6	9.1	15.7
Very fine sand	230	0.0625	4	9.1	28.7	10.0	30.7	6.1	27.6	6.1	23.8	8.2	23.9
Coarse silt	Hydrometer	0.0312	5	20.9	49.6	24.8	55.5	17.6	45.2	17.2	41.0	27.3	51.3
Very fine silt	Hydrometer	0.0039	8	16.2	65.8	20.7	76.2	22.5	67.7	23.5	64.5	26.5	77.7
Clay	Hydrometer	<0.0039	--	34.2	100.0	23.8	100.0	32.3	100.0	35.5	100.0	22.3	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA10012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA1001 201313-15		OA1001 201317-19		OA1001 201321-23		OA1001 201325-27		OA1001 201329-31	
Depth Interval				12-16 cm		16-20 cm		20-24 cm		24-28 cm		28-32 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0
Very coarse sand	18	1.00	0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1
Coarse sand	35	0.50	1	0.2	0.3	0.2	0.2	0.0	0.0	0.0	0.1	0.1	0.2
Medium sand	60	0.25	2	0.4	0.7	0.3	0.5	0.1	0.2	0.1	0.3	0.2	0.3
Fine sand	120	0.125	3	2.4	3.1	1.5	2.0	1.2	1.3	0.6	0.9	1.5	1.9
Very fine sand	200	0.075	3.75	8.9	12.0	16.1	18.2	16.6	17.9	18.9	19.9	17.7	19.6
Very fine sand	230	0.0625	4	12.3	24.3	12.1	30.2	11.3	29.2	11.3	31.1	11.2	30.7
Coarse silt	Hydrometer	0.0312	5	33.2	57.5	31.0	61.2	28.4	57.6	28.2	59.3	28.0	58.7
Very fine silt	Hydrometer	0.0039	8	26.8	84.3	28.3	89.5	34.3	91.9	32.5	91.8	33.6	92.3
Clay	Hydrometer	<0.0039	--	15.7	100.0	10.5	100.0	8.1	100.0	8.2	100.0	7.7	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA10012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA1001 201333-35		OA1001 201337-39		OA1001 201341-43		OA1001 201345-47		OA1001 201349-51	
Depth Interval				32-36 cm		36-40 cm		40-44 cm		44-48 cm		48-52 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
Very coarse sand	18	1.00	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Coarse sand	35	0.50	1	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.1
Medium sand	60	0.25	2	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.3
Fine sand	120	0.125	3	0.7	0.9	0.7	0.8	0.7	0.9	1.1	1.3	0.9	1.1
Very fine sand	200	0.075	3.75	17.2	18.1	20.3	21.1	21.4	22.3	23.6	24.9	28.3	29.4
Very fine sand	230	0.0625	4	10.4	28.5	9.7	30.8	12.0	34.3	12.7	37.6	12.9	42.3
Coarse silt	Hydrometer	0.0312	5	26.1	54.5	24.3	55.2	29.5	63.8	31.4	69.1	31.3	73.7
Very fine silt	Hydrometer	0.0039	8	36.0	90.6	37.8	92.9	26.2	90.0	22.4	91.5	18.7	92.4
Clay	Hydrometer	<0.0039	--	9.4	100.0	7.1	100.0	10.0	100.0	8.5	100.0	7.6	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA10022013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA1002 201301		OA1002 201303		OA1002 201305		OA1002 201307		OA1002 201309-11	
Depth Interval				0-2 cm		2-4 cm		4-6 cm		6-8 cm		8-12 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-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	1.00	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0
Coarse sand	35	0.50	1	0.2	0.2	0.1	0.2	0.3	0.4	0.2	0.3	0.1	0.2
Medium sand	60	0.25	2	0.4	0.6	0.9	1.1	1.8	2.2	2.4	2.7	0.9	1.1
Fine sand	120	0.125	3	2.1	2.7	5.2	6.3	5.7	7.9	6.2	8.9	3.5	4.7
Very fine sand	200	0.075	3.75	20.2	22.9	21.5	27.8	16.4	24.3	16.6	25.5	13.5	18.1
Very fine sand	230	0.0625	4	13.0	36.0	8.6	36.4	8.7	33.0	4.2	29.7	13.3	31.5
Coarse silt	Hydrometer	0.0312	5	29.1	65.1	21.5	57.9	24.5	57.5	12.3	42.0	34.8	66.3
Very fine silt	Hydrometer	0.0039	8	13.2	78.3	20.4	78.3	22.3	79.8	22.4	64.4	18.5	84.8
Clay	Hydrometer	<0.0039	--	21.7	100.0	21.7	100.0	20.2	100.0	35.6	100.0	15.2	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA10022013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA1002 201313-15		OA1002 201317-19		OA1002 201321-23		OA1002 201325-27		OA1002 201329-31	
Depth Interval				12-16 cm		16-20 cm		20-24 cm		24-28 cm		28-32 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-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	1.00	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Coarse sand	35	0.50	1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.0
Medium sand	60	0.25	2	0.1	0.2	0.3	0.4	0.2	0.2	0.1	0.2	0.1	0.1
Fine sand	120	0.125	3	1.1	1.4	1.0	1.3	1.1	1.3	1.1	1.3	0.9	1.0
Very fine sand	200	0.075	3.75	10.7	12.1	21.8	23.1	14.9	16.2	22.4	23.7	18.1	19.1
Very fine sand	230	0.0625	4	12.0	24.1	10.4	33.5	11.6	27.8	10.2	33.8	11.5	30.6
Coarse silt	Hydrometer	0.0312	5	31.6	55.7	26.2	59.7	29.1	56.9	25.5	59.3	28.8	59.4
Very fine silt	Hydrometer	0.0039	8	28.9	84.6	30.7	90.4	35.3	92.2	32.5	91.8	29.4	88.8
Clay	Hydrometer	<0.0039	--	15.4	100.0	9.6	100.0	7.8	100.0	8.2	100.0	11.2	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA10022013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA1002 201333-35		OA1002 201337-39		OA1002 201341-43	
Depth Interval				32-36 cm		36-40 cm		40-44 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-1	0.0	0.0	0.0	0.0	0.0	0.0
Very coarse sand	18	1.00	0	0.0	0.0	0.0	0.0	0.0	0.0
Coarse sand	35	0.50	1	0.0	0.1	0.0	0.0	0.0	0.1
Medium sand	60	0.25	2	0.1	0.1	0.1	0.1	0.1	0.1
Fine sand	120	0.125	3	0.5	0.7	0.8	0.9	0.6	0.7
Very fine sand	200	0.075	3.75	21.0	21.6	23.3	24.2	26.7	27.5
Very fine sand	230	0.0625	4	10.2	31.9	12.2	36.4	12.1	39.6
Coarse silt	Hydrometer	0.0312	5	25.6	57.5	30.3	66.7	30.0	69.6
Very fine silt	Hydrometer	0.0039	8	33.5	91.0	25.2	91.9	22.0	91.6
Clay	Hydrometer	<0.0039	--	9.0	100.0	8.1	100.0	8.4	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA11012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA1101 201301		OA1101 201303		OA1101 201305		OA1101 201307		OA1101 201309-11	
Depth Interval				0-2 cm		2-4 cm		4-6 cm		6-8 cm		8-12 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-1	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Very coarse sand	18	1.00	0	0.0	0.9	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.1
Coarse sand	35	0.50	1	0.2	1.1	0.2	0.3	0.2	0.2	0.1	0.2	0.1	0.2
Medium sand	60	0.25	2	0.2	1.3	0.6	0.9	0.5	0.7	0.2	0.4	0.4	0.6
Fine sand	120	0.125	3	2.0	3.3	2.7	3.5	2.7	3.4	1.2	1.6	3.6	4.2
Very fine sand	200	0.075	3.75	15.7	19.0	18.6	22.2	16.6	20.0	17.2	18.7	18.9	23.1
Very fine sand	230	0.0625	4	7.9	26.9	7.7	29.8	8.3	28.2	11.0	29.7	10.7	33.9
Coarse silt	Hydrometer	0.0312	5	19.7	46.6	19.8	49.6	20.3	48.5	27.0	56.7	29.5	63.4
Very fine silt	Hydrometer	0.0039	8	23.7	70.3	25.5	75.1	22.8	71.3	21.5	78.2	25.5	88.8
Clay	Hydrometer	<0.0039	--	29.7	100.0	24.9	100.0	28.7	100.0	21.8	100.0	11.2	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA11012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA1101 201313-15		OA1101 201317-19		OA1101 201321-23		OA1101 201325-27		OA1101 201329-31	
Depth Interval				12-16 cm		16-20 cm		20-24 cm		24-28 cm		28-32 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-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	1.00	0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Coarse sand	35	0.50	1	0.1	0.1	0.2	0.3	0.2	0.2	0.1	0.1	0.2	0.3
Medium sand	60	0.25	2	0.5	0.6	1.1	1.4	1.1	1.3	0.3	0.4	0.6	0.9
Fine sand	120	0.125	3	3.6	4.2	7.0	8.4	7.1	8.4	1.0	1.4	1.5	2.4
Very fine sand	200	0.075	3.75	21.3	25.5	16.4	24.9	10.9	19.3	4.9	6.3	6.2	8.6
Very fine sand	230	0.0625	4	9.6	35.1	11.3	36.2	9.7	29.0	14.7	21.0	9.4	18.0
Coarse silt	Hydrometer	0.0312	5	26.8	61.9	30.9	67.1	29.7	58.7	39.6	60.6	35.7	53.7
Very fine silt	Hydrometer	0.0039	8	26.2	88.1	18.1	85.2	23.4	82.1	21.5	82.1	25.3	79.0
Clay	Hydrometer	<0.0039	--	11.9	100.0	14.8	100.0	17.9	100.0	17.9	100.0	21.0	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA11012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA1101 201333-35		OA1101 201337-39		OA1101 201341-43		OA1101 201345-47		OA1101 201349-51	
Depth Interval				32-36 cm		36-40 cm		40-44 cm		44-48 cm		48-52 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-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	1.00	0	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.0	0.0
Coarse sand	35	0.50	1	0.3	0.4	0.2	0.3	0.9	1.0	0.3	0.4	0.1	0.1
Medium sand	60	0.25	2	0.7	1.1	0.5	0.8	2.9	3.8	0.7	1.0	0.2	0.4
Fine sand	120	0.125	3	3.8	4.9	1.6	2.5	13.0	16.8	6.4	7.5	1.8	2.2
Very fine sand	200	0.075	3.75	10.6	15.5	8.2	10.6	10.5	27.4	14.2	21.6	18.6	20.8
Very fine sand	230	0.0625	4	7.6	23.1	10.7	21.4	3.7	31.1	6.4	28.1	9.4	30.2
Coarse silt	Hydrometer	0.0312	5	28.4	51.5	32.5	53.9	19.9	51.0	21.0	49.1	24.9	55.1
Very fine silt	Hydrometer	0.0039	8	29.1	80.6	28.6	82.5	25.5	76.6	34.3	83.4	32.6	87.6
Clay	Hydrometer	<0.0039	--	19.4	100.0	17.5	100.0	23.4	100.0	16.6	100.0	12.4	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA11012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA1101 201353-55		OA1101 201357-59		OA1101 201361-63		OA1101 201365-67		OA1101 201369-71	
Depth Interval				52-56 cm		56-60 cm		60-64 cm		64-68 cm		68-72 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-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	1.00	0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Coarse sand	35	0.50	1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1
Medium sand	60	0.25	2	0.2	0.3	0.2	0.4	0.1	0.2	0.1	0.2	0.1	0.2
Fine sand	120	0.125	3	1.6	2.0	1.2	1.7	0.8	1.0	0.6	0.8	0.8	1.0
Very fine sand	200	0.075	3.75	18.2	20.1	18.5	20.1	17.2	18.2	18.2	19.0	17.1	18.1
Very fine sand	230	0.0625	4	9.1	29.2	9.5	29.7	12.3	30.5	10.0	29.0	11.6	29.7
Coarse silt	Hydrometer	0.0312	5	22.8	52.1	24.2	53.9	30.7	61.2	25.0	54.0	29.1	58.8
Very fine silt	Hydrometer	0.0039	8	38.9	90.9	34.2	88.1	29.9	91.1	37.6	91.6	32.9	91.7
Clay	Hydrometer	<0.0039	--	9.1	100.0	11.9	100.0	8.9	100.0	8.4	100.0	8.3	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA11012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA1101 201373-75		OA1101 201377-79		OA1101 201381-83	
Depth Interval				72-76 cm		76-80 cm		80-84 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-1	0.0	0.0	0.1	0.1	0.0	0.0
Very coarse sand	18	1.00	0	0.1	0.1	0.0	0.1	0.0	0.0
Coarse sand	35	0.50	1	0.1	0.2	0.1	0.1	0.0	0.1
Medium sand	60	0.25	2	0.1	0.2	0.1	0.2	0.1	0.1
Fine sand	120	0.125	3	0.6	0.8	1.0	1.2	0.5	0.6
Very fine sand	200	0.075	3.75	21.1	21.9	16.9	18.1	20.0	20.7
Very fine sand	230	0.0625	4	10.1	32.0	12.5	30.6	11.0	31.7
Coarse silt	Hydrometer	0.0312	5	25.4	57.5	31.2	61.8	27.8	59.5
Very fine silt	Hydrometer	0.0039	8	33.8	91.2	29.5	91.3	24.8	84.3
Clay	Hydrometer	<0.0039	--	8.8	100.0	8.7	100.0	15.7	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA11022013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA1102 201301		OA1102 201303		OA1102 201305		OA1102 201307		OA1102 201309-11	
Depth Interval				0-2 cm		2-4 cm		4-6 cm		6-8 cm		8-12 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-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	1.00	0	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0
Coarse sand	35	0.50	1	0.1	0.2	0.1	0.1	0.1	0.1	0.2	0.3	0.1	0.1
Medium sand	60	0.25	2	0.4	0.5	0.2	0.3	0.2	0.3	0.2	0.5	0.3	0.4
Fine sand	120	0.125	3	1.6	2.1	0.8	1.1	1.0	1.3	0.7	1.2	1.3	1.7
Very fine sand	200	0.075	3.75	14.3	16.4	12.0	13.1	14.9	16.2	13.3	14.5	14.1	15.8
Very fine sand	230	0.0625	4	9.0	25.4	9.4	22.5	11.8	28.0	11.4	25.9	14.2	30.0
Coarse silt	Hydrometer	0.0312	5	21.3	46.7	25.6	48.1	28.2	56.2	26.5	52.4	36.5	66.5
Very fine silt	Hydrometer	0.0039	8	14.8	61.5	22.8	70.9	20.7	76.9	22.7	75.1	19.7	86.2
Clay	Hydrometer	<0.0039	--	38.5	100.0	29.1	100.0	23.1	100.0	24.9	100.0	13.8	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA11022013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA1102 201313-15		OA1102 201317-19		OA1102 201321-23		OA1102 201325-27		OA1102 201329-31	
Depth Interval				12-16 cm		16-20 cm		20-24 cm		24-28 cm		28-32 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-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	1.00	0	0.1	0.1	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.1
Coarse sand	35	0.50	1	0.2	0.3	0.3	0.6	0.1	0.2	0.4	0.5	0.6	0.7
Medium sand	60	0.25	2	0.4	0.7	0.6	1.1	1.5	1.7	2.2	2.7	3.9	4.6
Fine sand	120	0.125	3	3.5	4.2	2.3	3.4	9.9	11.6	16.9	19.6	11.9	16.5
Very fine sand	200	0.075	3.75	13.7	17.9	8.0	11.5	15.2	26.8	14.5	34.0	10.3	26.8
Very fine sand	230	0.0625	4	15.3	33.3	20.6	32.1	6.1	33.0	2.5	36.6	10.3	37.1
Coarse silt	Hydrometer	0.0312	5	37.3	70.6	44.4	76.5	24.6	57.6	19.1	55.7	26.3	63.4
Very fine silt	Hydrometer	0.0039	8	15.8	86.4	8.6	85.0	21.7	79.2	19.3	75.0	13.6	77.0
Clay	Hydrometer	<0.0039	--	13.6	100.0	15.0	100.0	20.8	100.0	25.0	100.0	23.0	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA11022013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA1102 201333-35		OA1102 201337-39		OA1102 201341-43		OA1102 201345-47		OA1102 201349-51	
Depth Interval				32-36 cm		36-40 cm		40-44 cm		44-48 cm		48-52 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-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	1.00	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Coarse sand	35	0.50	1	0.3	0.4	0.8	0.9	0.7	0.8	0.5	0.5	0.2	0.3
Medium sand	60	0.25	2	1.5	1.9	2.1	2.9	1.9	2.7	1.6	2.2	0.8	1.1
Fine sand	120	0.125	3	9.8	11.7	9.5	12.4	9.7	12.4	11.9	14.1	4.2	5.2
Very fine sand	200	0.075	3.75	8.4	20.1	7.5	19.9	13.4	25.8	14.0	28.1	23.9	29.1
Very fine sand	230	0.0625	4	3.3	23.4	14.1	34.0	3.7	29.5	5.7	33.8	10.0	39.1
Coarse silt	Hydrometer	0.0312	5	25.2	48.5	33.8	67.8	18.8	48.3	21.8	55.6	27.3	66.4
Very fine silt	Hydrometer	0.0039	8	29.5	78.0	14.0	81.8	32.9	81.3	29.2	84.8	22.1	88.5
Clay	Hydrometer	<0.0039	--	22.0	100.0	18.2	100.0	18.7	100.0	15.2	100.0	11.5	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA11022013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA1102 201353-55		OA1102 201357-59		OA1102 201361-63		OA1102 201365-67		OA1102 201369-71	
Depth Interval				52-56 cm		56-60 cm		60-64 cm		64-68 cm		68-72 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-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	1.00	0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Coarse sand	35	0.50	1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0
Medium sand	60	0.25	2	0.3	0.5	0.2	0.3	0.2	0.2	0.1	0.1	0.1	0.2
Fine sand	120	0.125	3	4.5	5.0	1.2	1.5	1.2	1.4	0.6	0.8	1.4	1.5
Very fine sand	200	0.075	3.75	21.6	26.6	19.2	20.6	17.9	19.3	18.5	19.2	16.1	17.7
Very fine sand	230	0.0625	4	9.4	36.0	10.7	31.3	11.2	30.5	10.4	29.6	10.8	28.4
Coarse silt	Hydrometer	0.0312	5	25.3	61.3	26.7	58.0	28.0	58.5	26.0	55.6	26.9	55.4
Very fine silt	Hydrometer	0.0039	8	27.0	88.3	33.3	91.3	31.4	89.9	35.1	90.7	36.5	91.9
Clay	Hydrometer	<0.0039	--	11.7	100.0	8.7	100.0	10.1	100.0	9.3	100.0	8.1	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA11022013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA1102 201373-75		OA1102 201376.5	
Depth Interval				72-76 cm		76.5 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-3.25	0.0	0.0	0.0	0.0
Small pebble	4	4.75	-2.25	0.0	0.0	0.0	0.0
Gravel	10	2.00	-1	0.0	0.0	0.0	0.0
Very coarse sand	18	1.00	0	0.1	0.1	0.0	0.0
Coarse sand	35	0.50	1	0.1	0.1	0.1	0.1
Medium sand	60	0.25	2	0.1	0.2	0.1	0.2
Fine sand	120	0.125	3	0.7	0.9	0.9	1.1
Very fine sand	200	0.075	3.75	20.7	21.6	16.9	18.0
Very fine sand	230	0.0625	4	8.6	30.2	9.8	27.9
Coarse silt	Hydrometer	0.0312	5	21.6	51.8	24.9	52.7
Very fine silt	Hydrometer	0.0039	8	40.1	91.9	33.7	86.5
Clay	Hydrometer	<0.0039	--	8.1	100.0	13.5	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA12012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA1201 201301		OA1201 201303		OA1201 201305		OA1201 201307		OA1201 201309-11	
Depth Interval				0-2 cm		2-4 cm		4-6 cm		6-8 cm		8-12 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-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	1.00	0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0
Coarse sand	35	0.50	1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2
Medium sand	60	0.25	2	0.1	0.3	0.1	0.2	0.4	0.4	0.4	0.6	2.1	2.3
Fine sand	120	0.125	3	1.0	1.3	0.9	1.0	1.9	2.3	2.8	3.4	7.4	9.7
Very fine sand	200	0.075	3.75	19.1	20.3	16.8	17.9	23.3	25.6	19.1	22.4	24.2	33.9
Very fine sand	230	0.0625	4	7.4	27.7	9.3	27.2	10.2	35.8	11.4	33.8	9.9	43.8
Coarse silt	Hydrometer	0.0312	5	18.6	46.3	23.3	50.5	25.6	61.4	26.9	60.7	26.9	70.7
Very fine silt	Hydrometer	0.0039	8	20.2	66.5	21.3	71.8	18.5	80.0	18.4	79.1	17.0	87.7
Clay	Hydrometer	<0.0039	--	33.5	100.0	28.2	100.0	20.0	100.0	20.9	100.0	12.3	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA12012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA1201 201313-15		OA1201 201317-19		OA1201 201321-23		OA1201 201325-27		OA1201 201329-31	
Depth Interval				12-16 cm		16-20 cm		20-24 cm		24-28 cm		28-32 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-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	1.00	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1
Coarse sand	35	0.50	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
Medium sand	60	0.25	2	1.0	1.1	1.1	1.2	0.3	0.4	0.2	0.3	0.1	0.3
Fine sand	120	0.125	3	7.6	8.8	4.0	5.2	2.2	2.6	1.2	1.5	0.9	1.2
Very fine sand	200	0.075	3.75	19.7	28.4	22.8	28.1	21.2	23.8	23.4	24.9	20.9	22.1
Very fine sand	230	0.0625	4	9.6	38.1	7.2	35.2	9.5	33.3	9.4	34.3	10.8	33.0
Coarse silt	Hydrometer	0.0312	5	25.5	63.6	18.0	53.2	23.9	57.2	23.6	57.9	27.2	60.1
Very fine silt	Hydrometer	0.0039	8	22.5	86.0	34.2	87.4	34.3	91.5	34.4	92.3	32.1	92.2
Clay	Hydrometer	<0.0039	--	14.0	100.0	12.6	100.0	8.5	100.0	7.7	100.0	7.8	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA12012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA1201 201333-35		OA1201 201337-39		OA1201 201340.5	
Depth Interval				32-36 cm		36-40 cm		40-40.5 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-1	0.0	0.0	0.0	0.0	0.0	0.0
Very coarse sand	18	1.00	0	0.0	0.0	0.0	0.0	0.0	0.0
Coarse sand	35	0.50	1	0.0	0.1	0.0	0.0	0.1	0.1
Medium sand	60	0.25	2	0.1	0.2	0.1	0.1	0.1	0.2
Fine sand	120	0.125	3	0.7	0.9	1.0	1.1	0.8	1.0
Very fine sand	200	0.075	3.75	21.8	22.6	21.3	22.5	23.7	24.7
Very fine sand	230	0.0625	4	10.2	32.8	10.9	33.4	12.1	36.8
Coarse silt	Hydrometer	0.0312	5	25.5	58.3	27.4	60.7	29.3	66.0
Very fine silt	Hydrometer	0.0039	8	32.8	91.1	31.0	91.8	19.3	85.3
Clay	Hydrometer	<0.0039	--	8.9	100.0	8.2	100.0	14.7	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA12022013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA1202 201301		OA1202 201303		OA1202 201305		OA1202 201307		OA1202 201309-11	
Depth Interval				0-2 cm		2-4 cm		4-6 cm		6-8 cm		8-12 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-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	1.00	0	0.0	0.0	0.0	0.0	0.2	0.2	0.3	0.3	0.0	0.0
Coarse sand	35	0.50	1	0.0	0.1	0.1	0.2	0.2	0.4	0.4	0.8	0.1	0.1
Medium sand	60	0.25	2	0.4	0.5	0.5	0.7	0.5	0.8	0.7	1.5	0.5	0.6
Fine sand	120	0.125	3	1.9	2.3	1.9	2.6	2.3	3.1	2.6	4.1	2.0	2.6
Very fine sand	200	0.075	3.75	19.9	22.2	21.9	24.6	19.1	22.2	19.4	23.5	14.7	17.3
Very fine sand	230	0.0625	4	11.8	34.0	11.2	35.8	10.3	32.5	10.5	33.9	15.3	32.7
Coarse silt	Hydrometer	0.0312	5	27.9	61.9	26.2	62.0	25.5	58.1	25.5	59.5	36.9	69.6
Very fine silt	Hydrometer	0.0039	8	15.0	76.9	16.4	78.4	19.3	77.3	18.4	77.9	16.3	85.9
Clay	Hydrometer	<0.0039	--	23.1	100.0	21.6	100.0	22.7	100.0	22.1	100.0	14.1	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA12022013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA1202 201313-15		OA1202 201317-19		OA1202 201321-23		OA1202 201325-27		OA1202 201329-31	
Depth Interval				12-16 cm		16-20 cm		20-24 cm		24-28 cm		28-32 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-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	1.00	0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Coarse sand	35	0.50	1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
Medium sand	60	0.25	2	0.5	0.7	1.4	1.5	3.6	3.7	1.9	2.0	1.2	1.4
Fine sand	120	0.125	3	1.3	2.0	2.9	4.5	4.4	8.1	3.6	5.6	2.3	3.7
Very fine sand	200	0.075	3.75	11.2	13.2	15.3	19.8	21.1	29.2	23.1	28.7	29.6	33.3
Very fine sand	230	0.0625	4	9.3	22.5	12.9	32.7	10.1	39.3	10.1	38.9	7.6	40.8
Coarse silt	Hydrometer	0.0312	5	25.8	48.3	33.9	66.7	25.3	64.6	25.3	64.2	18.9	59.7
Very fine silt	Hydrometer	0.0039	8	38.1	86.3	21.4	88.0	26.9	91.5	26.4	90.6	32.1	91.8
Clay	Hydrometer	<0.0039	--	13.7	100.0	12.0	100.0	8.5	100.0	9.4	100.0	8.2	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA12022013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA1202 201333-35		OA1202 201337		OA1202 201338.5	
Depth Interval				32-36 cm		36-37 cm		37-38.5 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-1	0.0	0.0	0.0	0.0	0.0	0.0
Very coarse sand	18	1.00	0	0.0	0.0	0.0	0.0	0.1	0.1
Coarse sand	35	0.50	1	0.1	0.1	0.1	0.1	0.1	0.1
Medium sand	60	0.25	2	0.5	0.6	0.2	0.3	0.4	0.6
Fine sand	120	0.125	3	3.1	3.7	0.9	1.1	1.8	2.3
Very fine sand	200	0.075	3.75	20.8	24.5	27.9	29.1	27.5	29.8
Very fine sand	230	0.0625	4	10.6	35.2	10.3	39.3	12.4	42.2
Coarse silt	Hydrometer	0.0312	5	26.6	61.7	25.3	64.6	28.1	70.3
Very fine silt	Hydrometer	0.0039	8	30.2	91.9	23.0	87.6	17.6	87.9
Clay	Hydrometer	<0.0039	--	8.1	100.0	12.4	100.0	12.1	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA13012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA1301 201301		OA1301 201303		OA1301 201305		OA1301 201307		OA1301 201309-11	
Depth Interval				0-2 cm		2-4 cm		4-6 cm		6-8 cm		8-12 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-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	1.00	0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1
Coarse sand	35	0.50	1	0.1	0.2	0.1	0.2	0.0	0.1	0.2	0.2	0.2	0.3
Medium sand	60	0.25	2	0.4	0.6	0.2	0.4	0.2	0.3	0.5	0.7	1.6	1.8
Fine sand	120	0.125	3	3.6	4.2	1.5	1.9	2.6	2.9	3.1	3.8	7.7	9.5
Very fine sand	200	0.075	3.75	24.0	28.2	23.2	25.1	20.2	23.0	22.5	26.2	8.7	18.3
Very fine sand	230	0.0625	4	12.4	40.6	10.3	35.4	13.4	36.5	11.2	37.5	16.2	34.4
Coarse silt	Hydrometer	0.0312	5	27.6	68.2	24.4	59.8	32.1	68.5	24.6	62.1	39.2	73.6
Very fine silt	Hydrometer	0.0039	8	13.5	81.8	16.4	76.1	15.9	84.5	16.3	78.4	14.7	88.3
Clay	Hydrometer	<0.0039	--	18.3	100.0	23.9	100.0	15.5	100.0	21.6	100.0	11.7	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA13012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA1301 201313-15		OA1301 201317-19		OA1301 201321-23		OA1301 201325-27		OA1301 201329-31	
Depth Interval				12-16 cm		16-20 cm		20-24 cm		24-28 cm		28-32 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Very coarse sand	18	1.00	0	0.4	0.5	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
Coarse sand	35	0.50	1	0.5	0.9	0.2	0.2	0.2	0.3	0.0	0.0	0.1	0.1
Medium sand	60	0.25	2	1.9	2.8	2.5	2.7	0.8	1.1	0.1	0.1	0.1	0.2
Fine sand	120	0.125	3	15.0	17.8	11.3	14.0	5.9	7.0	1.4	1.5	1.1	1.3
Very fine sand	200	0.075	3.75	30.6	48.4	12.5	26.6	15.3	22.2	12.5	14.0	8.1	9.4
Very fine sand	230	0.0625	4	3.3	51.6	4.4	31.0	12.3	34.5	7.6	21.6	11.0	20.4
Coarse silt	Hydrometer	0.0312	5	12.1	63.8	20.3	51.3	29.1	63.6	18.7	40.3	28.8	49.2
Very fine silt	Hydrometer	0.0039	8	19.4	83.2	28.8	80.1	16.8	80.4	45.8	86.1	37.9	87.1
Clay	Hydrometer	<0.0039	--	16.8	100.0	19.9	100.0	19.6	100.0	13.9	100.0	12.9	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA13012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA1301 201333-35		OA1301 201337-39		OA1301 201341-43		OA1301 201345-47		OA1301 201349-51	
Depth Interval				32-36 cm		36-40 cm		40-44 cm		44-48 cm		48-52 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-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	1.00	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Coarse sand	35	0.50	1	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.1
Medium sand	60	0.25	2	0.2	0.3	0.1	0.1	0.1	0.2	0.1	0.2	0.1	0.1
Fine sand	120	0.125	3	1.1	1.4	0.7	0.8	0.5	0.6	0.7	0.8	0.6	0.7
Very fine sand	200	0.075	3.75	20.0	21.4	15.7	16.5	16.2	16.8	14.3	15.1	24.4	25.1
Very fine sand	230	0.0625	4	9.6	31.1	10.8	27.3	9.3	26.1	10.5	25.6	10.9	36.0
Coarse silt	Hydrometer	0.0312	5	24.1	55.2	27.1	54.5	23.3	49.4	26.3	51.9	27.2	63.1
Very fine silt	Hydrometer	0.0039	8	34.9	90.1	37.1	91.6	41.1	90.5	38.4	90.3	28.4	91.6
Clay	Hydrometer	<0.0039	--	9.9	100.0	8.4	100.0	9.5	100.0	9.7	100.0	8.4	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA14012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA1401 201301		OA1401 201303		OA1401 201305		OA1401 201307		OA1401 201309-11	
Depth Interval				0-2 cm		2-4 cm		4-6 cm		6-8 cm		8-12 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-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	1.00	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
Coarse sand	35	0.50	1	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.1	0.1
Medium sand	60	0.25	2	0.2	0.3	0.6	0.7	0.2	0.3	0.2	0.2	0.7	0.8
Fine sand	120	0.125	3	1.1	1.4	0.4	1.2	1.3	1.6	1.1	1.4	1.8	2.6
Very fine sand	200	0.075	3.75	21.7	23.1	15.4	16.6	21.6	23.2	26.4	27.7	25.8	28.4
Very fine sand	230	0.0625	4	12.1	35.2	12.6	29.3	12.8	36.0	12.0	39.7	12.5	40.9
Coarse silt	Hydrometer	0.0312	5	29.3	64.5	30.4	59.7	30.8	66.9	28.3	68.0	32.1	73.0
Very fine silt	Hydrometer	0.0039	8	14.6	79.0	16.4	76.1	16.5	83.3	16.0	84.0	16.3	89.3
Clay	Hydrometer	<0.0039	--	21.0	100.0	23.9	100.0	16.7	100.0	16.0	100.0	10.7	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA14012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA1401 201313-15		OA1401 201317-19		OA1401 201321-23		OA1401 201325-27		OA1401 201329-31	
Depth Interval				12-16 cm		16-20 cm		20-24 cm		24-28 cm		28-32 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-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	1.00	0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1
Coarse sand	35	0.50	1	0.1	0.2	0.1	0.1	0.1	0.1	0.2	0.3	0.1	0.2
Medium sand	60	0.25	2	0.9	1.0	0.8	0.9	1.0	1.2	2.4	2.7	1.1	1.3
Fine sand	120	0.125	3	2.6	3.6	3.1	4.0	3.5	4.7	10.1	12.8	6.4	7.8
Very fine sand	200	0.075	3.75	31.1	34.8	27.4	31.4	32.7	37.4	24.0	36.9	20.1	27.9
Very fine sand	230	0.0625	4	8.6	43.3	8.5	39.9	11.0	48.4	8.4	45.3	12.1	40.0
Coarse silt	Hydrometer	0.0312	5	24.2	67.5	25.1	65.0	27.8	76.2	23.6	68.9	32.4	72.4
Very fine silt	Hydrometer	0.0039	8	21.8	89.3	24.6	89.6	12.5	88.7	16.4	85.3	14.7	87.0
Clay	Hydrometer	<0.0039	--	10.7	100.0	10.4	100.0	11.3	100.0	14.7	100.0	13.0	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA14012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA1401 201333-35		OA1401 201337-39		OA1401 201341-43		OA1401 201345-47		OA1401 201349-51	
Depth Interval				32-36 cm		36-40 cm		40-44 cm		44-48 cm		48-52 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-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	1.00	0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1
Coarse sand	35	0.50	1	0.2	0.3	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1
Medium sand	60	0.25	2	1.6	2.0	0.6	0.8	0.2	0.3	0.1	0.2	0.1	0.3
Fine sand	120	0.125	3	9.4	11.4	3.6	4.3	1.8	2.1	0.9	1.0	0.7	1.0
Very fine sand	200	0.075	3.75	14.7	26.1	18.4	22.7	21.3	23.4	20.2	21.2	16.5	17.4
Very fine sand	230	0.0625	4	6.7	32.8	10.4	33.1	5.7	29.1	10.4	31.6	10.6	28.0
Coarse silt	Hydrometer	0.0312	5	23.8	56.6	29.9	63.0	14.5	43.6	26.0	57.6	26.5	54.5
Very fine silt	Hydrometer	0.0039	8	25.3	81.9	25.4	88.4	43.4	87.0	33.8	91.4	36.2	90.8
Clay	Hydrometer	<0.0039	--	18.1	100.0	11.6	100.0	13.0	100.0	8.6	100.0	9.2	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA14012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA1401 201353-55		OA1401 201357-59		OA1401 201361-63		OA1401 201365		OA1401 201366.5	
Depth Interval				52-56 cm		56-60 cm		60-64 cm		64-65 cm		65-66.5 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-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	1.00	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
Coarse sand	35	0.50	1	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.1	0.2
Medium sand	60	0.25	2	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.2	0.1	0.3
Fine sand	120	0.125	3	0.6	0.7	1.3	1.5	0.6	0.7	0.6	0.8	0.5	0.8
Very fine sand	200	0.075	3.75	20.3	21.0	18.8	20.3	27.0	27.7	14.6	15.4	25.7	26.5
Very fine sand	230	0.0625	4	9.3	30.3	10.0	30.3	9.9	37.6	11.5	26.8	9.8	36.3
Coarse silt	Hydrometer	0.0312	5	23.1	53.4	25.1	55.4	24.8	62.5	28.1	55.0	24.8	61.1
Very fine silt	Hydrometer	0.0039	8	36.8	90.1	35.1	90.5	29.4	91.9	22.9	77.9	26.2	87.3
Clay	Hydrometer	<0.0039	--	9.9	100.0	9.5	100.0	8.1	100.0	22.1	100.0	12.7	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA15012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA1501 201301		OA1501 201303		OA1501 201305		OA1501 201307		OA1501 201309-11	
Depth Interval				0-2 cm		2-4 cm		4-6 cm		6-8 cm		8-12 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-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	1.00	0	0.1	0.1	0.1	0.1	0.0	0.0	0.2	0.2	0.3	0.3
Coarse sand	35	0.50	1	0.1	0.3	0.1	0.1	0.1	0.2	0.1	0.3	0.2	0.4
Medium sand	60	0.25	2	0.4	0.6	1.3	1.5	1.0	1.2	1.2	1.5	0.6	1.1
Fine sand	120	0.125	3	1.6	2.3	2.7	4.2	3.1	4.2	4.1	5.6	3.8	4.8
Very fine sand	200	0.075	3.75	21.7	23.9	17.3	21.5	20.4	24.7	15.8	21.4	18.9	23.8
Very fine sand	230	0.0625	4	10.2	34.2	7.9	29.4	10.8	35.5	9.3	30.7	7.5	31.2
Coarse silt	Hydrometer	0.0312	5	26.2	60.4	20.0	49.4	24.9	60.3	22.9	53.6	20.8	52.0
Very fine silt	Hydrometer	0.0039	8	19.6	80.0	20.0	69.4	18.1	78.4	24.8	78.4	35.1	87.1
Clay	Hydrometer	<0.0039	--	20.0	100.0	30.6	100.0	21.6	100.0	21.6	100.0	12.9	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA15012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA1501 201313-15		OA1501 201317-19		OA1501 201321-23		OA1501 201325-27		OA1501 201329-31	
Depth Interval				12-16 cm		16-20 cm		20-24 cm		24-28 cm		28-32 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-3.25	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	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	2.3	0.0	0.0
Gravel	10	2.00	-1	0.0	0.0	0.0	0.0	0.0	0.0	4.5	6.8	2.9	2.9
Very coarse sand	18	1.00	0	0.1	0.1	0.2	0.2	0.1	0.1	1.5	8.4	0.4	3.2
Coarse sand	35	0.50	1	0.1	0.2	0.2	0.3	0.1	0.2	0.4	8.8	0.2	3.5
Medium sand	60	0.25	2	1.2	1.4	1.3	1.6	0.6	0.8	0.5	9.3	0.3	3.7
Fine sand	120	0.125	3	4.6	6.0	3.0	4.6	2.4	3.2	1.3	10.6	1.0	4.7
Very fine sand	200	0.075	3.75	20.9	26.9	22.7	27.4	19.6	22.9	29.0	39.6	20.7	25.4
Very fine sand	230	0.0625	4	6.1	32.9	9.1	36.5	8.7	31.6	3.6	43.2	10.7	36.1
Coarse silt	Hydrometer	0.0312	5	18.4	51.3	23.7	60.1	23.2	54.7	9.0	52.2	26.9	63.0
Very fine silt	Hydrometer	0.0039	8	33.5	84.8	26.1	86.3	33.8	88.5	37.1	89.4	28.3	91.3
Clay	Hydrometer	<0.0039	--	15.2	100.0	13.7	100.0	11.5	100.0	10.6	100.0	8.7	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA15012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA1501 201333-35		OA1501 201337-39		OA1501 201341-43		OA1501 201345-47		OA1501 201349	
Depth Interval				32-36 cm		36-40 cm		40-44 cm		44-48 cm		48-49 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-3.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.6	11.6
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	11.6
Gravel	10	2.00	-1	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.4	12.0
Very coarse sand	18	1.00	0	0.4	1.7	0.7	0.7	0.1	0.1	0.1	0.1	0.2	12.2
Coarse sand	35	0.50	1	0.4	2.1	0.1	0.8	0.1	0.2	0.0	0.1	0.1	12.3
Medium sand	60	0.25	2	0.4	2.5	0.2	1.0	0.1	0.2	0.0	0.1	0.1	12.4
Fine sand	120	0.125	3	0.9	3.4	0.9	1.9	0.3	0.5	0.2	0.3	0.2	12.6
Very fine sand	200	0.075	3.75	24.0	27.3	15.9	17.8	7.6	8.1	3.1	3.4	3.4	16.0
Very fine sand	230	0.0625	4	6.3	33.6	9.5	27.3	7.4	15.5	9.1	12.5	6.1	22.1
Coarse silt	Hydrometer	0.0312	5	15.8	49.4	23.8	51.0	18.6	34.2	22.8	35.4	15.3	37.4
Very fine silt	Hydrometer	0.0039	8	41.0	90.4	41.0	92.0	55.8	89.9	54.3	89.7	50.0	87.4
Clay	Hydrometer	<0.0039	--	9.6	100.0	8.0	100.0	10.1	100.0	10.3	100.0	12.6	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA16012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA1601 201301		OA1601 201303		OA1601 201305		OA1601 201307		OA1601 201309-11	
Depth Interval				0-2 cm		2-4 cm		4-6 cm		6-8 cm		8-12 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-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	1.00	0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.1
Coarse sand	35	0.50	1	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.4	0.1	0.2
Medium sand	60	0.25	2	0.1	0.2	0.4	0.6	1.0	1.3	0.9	1.2	1.5	1.8
Fine sand	120	0.125	3	0.2	0.4	2.1	2.7	3.0	4.3	2.3	3.6	4.9	6.7
Very fine sand	200	0.075	3.75	29.8	30.1	28.6	31.3	24.1	28.4	25.5	29.1	27.4	34.1
Very fine sand	230	0.0625	4	8.5	38.6	7.0	38.3	9.5	37.9	8.3	37.3	8.6	42.7
Coarse silt	Hydrometer	0.0312	5	20.1	58.8	17.0	55.4	24.0	61.9	18.1	55.5	25.0	67.6
Very fine silt	Hydrometer	0.0039	8	14.9	73.7	19.2	74.5	17.9	79.8	15.9	71.3	21.5	89.1
Clay	Hydrometer	<0.0039	--	26.3	100.0	25.5	100.0	20.2	100.0	28.7	100.0	10.9	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA16012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA1601 201313-15		OA1601 201317-19		OA1601 201321-23		OA1601 201325-27		OA1601 201329-31	
Depth Interval				12-16 cm		16-20 cm		20-24 cm		24-28 cm		28-32 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-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	1.00	0	0.1	0.1	0.5	0.5	0.0	0.0	0.0	0.0	0.1	0.1
Coarse sand	35	0.50	1	0.3	0.4	0.2	0.7	0.1	0.2	0.1	0.1	0.0	0.1
Medium sand	60	0.25	2	1.8	2.2	0.6	1.4	1.0	1.2	0.4	0.5	0.3	0.4
Fine sand	120	0.125	3	3.8	6.0	3.2	4.6	3.4	4.6	1.4	1.9	1.3	1.6
Very fine sand	200	0.075	3.75	20.7	26.7	31.1	35.7	17.8	22.4	23.2	25.1	24.2	25.8
Very fine sand	230	0.0625	4	9.2	35.9	1.8	37.5	11.4	33.8	8.8	33.9	9.5	35.3
Coarse silt	Hydrometer	0.0312	5	27.8	63.7	4.6	42.2	28.9	62.7	22.1	56.0	23.7	59.0
Very fine silt	Hydrometer	0.0039	8	23.8	87.5	46.1	88.3	27.7	90.4	35.3	91.4	32.0	91.0
Clay	Hydrometer	<0.0039	--	12.5	100.0	11.7	100.0	9.6	100.0	8.6	100.0	9.0	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA16012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA1601 201333-35		OA1601 201337-39		OA1601 201341-43	
Depth Interval				32-36 cm		36-40 cm		40-44 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-1	0.0	0.0	0.0	0.0	0.0	0.0
Very coarse sand	18	1.00	0	0.0	0.0	0.1	0.1	0.0	0.0
Coarse sand	35	0.50	1	0.1	0.1	0.0	0.1	0.0	0.1
Medium sand	60	0.25	2	0.1	0.2	0.1	0.2	0.1	0.2
Fine sand	120	0.125	3	0.8	0.9	0.6	0.8	0.7	0.9
Very fine sand	200	0.075	3.75	19.9	20.8	23.9	24.8	26.2	27.1
Very fine sand	230	0.0625	4	10.2	31.0	9.0	33.7	12.2	39.2
Coarse silt	Hydrometer	0.0312	5	25.5	56.5	22.5	56.2	30.1	69.3
Very fine silt	Hydrometer	0.0039	8	35.5	92.0	35.5	91.7	23.3	92.6
Clay	Hydrometer	<0.0039	--	8.0	100.0	8.3	100.0	7.4	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA16022013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA1602 201301		OA1602 201303		OA1602 201305		OA1602 201307		OA1602 201309-11	
Depth Interval				0-2 cm		2-4 cm		4-6 cm		6-8 cm		8-12 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-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	1.00	0	0.0	0.0	0.1	0.1	0.0	0.0	0.2	0.2	0.0	0.0
Coarse sand	35	0.50	1	0.0	0.1	0.1	0.1	0.0	0.1	0.2	0.4	0.1	0.1
Medium sand	60	0.25	2	0.1	0.2	0.2	0.4	0.4	0.5	0.4	0.8	0.6	0.8
Fine sand	120	0.125	3	0.9	1.0	1.1	1.5	1.7	2.2	2.1	2.9	2.8	3.6
Very fine sand	200	0.075	3.75	15.8	16.9	19.8	21.3	17.8	20.0	24.4	27.4	18.7	22.3
Very fine sand	230	0.0625	4	15.0	31.9	11.7	32.9	12.8	32.8	9.1	36.5	9.9	32.2
Coarse silt	Hydrometer	0.0312	5	34.3	66.2	25.2	58.2	31.1	63.9	22.4	58.9	28.4	60.6
Very fine silt	Hydrometer	0.0039	8	15.3	81.5	14.5	72.7	17.0	80.8	18.5	77.4	27.2	87.8
Clay	Hydrometer	<0.0039	--	18.5	100.0	27.3	100.0	19.2	100.0	22.7	100.0	12.2	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA16022013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA1602 201313-15		OA1602 201317-19		OA1602 201321-23		OA1602 201325-27		OA1602 201329-31	
Depth Interval				12-16 cm		16-20 cm		20-24 cm		24-28 cm		28-32 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-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	1.00	0	0.0	0.0	0.4	0.4	0.0	0.0	0.0	0.0	0.2	0.2
Coarse sand	35	0.50	1	0.1	0.1	0.1	0.5	0.0	0.0	0.0	0.1	0.1	0.3
Medium sand	60	0.25	2	0.4	0.5	0.3	0.8	0.6	0.7	0.1	0.2	0.1	0.5
Fine sand	120	0.125	3	1.5	1.9	1.4	2.2	0.9	1.6	0.5	0.7	0.8	1.3
Very fine sand	200	0.075	3.75	14.5	16.4	16.4	18.6	19.9	21.5	21.1	21.8	17.4	18.6
Very fine sand	230	0.0625	4	14.6	31.0	11.9	30.5	10.1	31.6	10.8	32.6	11.1	29.7
Coarse silt	Hydrometer	0.0312	5	36.5	67.5	30.5	60.9	25.3	56.9	27.0	59.6	27.8	57.6
Very fine silt	Hydrometer	0.0039	8	20.0	87.5	27.7	88.7	33.8	90.7	32.6	92.3	34.1	91.6
Clay	Hydrometer	<0.0039	--	12.5	100.0	11.3	100.0	9.3	100.0	7.7	100.0	8.4	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA16022013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA1602 201333-35		OA1602 201337-39		OA1602 201341-43		OA1602 201345-47	
Depth Interval				32-36 cm		36-40 cm		40-44 cm		44-48 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Very coarse sand	18	1.00	0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Coarse sand	35	0.50	1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1
Medium sand	60	0.25	2	0.1	0.2	0.1	0.1	0.1	0.2	0.1	0.1
Fine sand	120	0.125	3	0.8	1.0	0.9	1.0	0.9	1.0	0.5	0.6
Very fine sand	200	0.075	3.75	23.6	24.6	26.0	27.1	22.5	23.6	30.9	31.5
Very fine sand	230	0.0625	4	10.8	35.4	10.3	37.4	10.9	34.5	11.1	42.6
Coarse silt	Hydrometer	0.0312	5	27.0	62.4	26.8	64.2	27.9	62.3	28.1	70.7
Very fine silt	Hydrometer	0.0039	8	29.7	92.1	26.0	90.2	28.4	90.7	21.7	92.4
Clay	Hydrometer	<0.0039	--	7.9	100.0	9.8	100.0	9.3	100.0	7.6	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA17012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA1701 201301		OA1701 201303		OA1701 201305		OA1701 201307		OA1701 201309-11	
Depth Interval				0-2 cm		2-4 cm		4-6 cm		6-8 cm		8-12 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-1	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2	0.1	0.1
Very coarse sand	18	1.00	0	0.0	0.0	0.0	0.0	0.2	0.2	0.5	3.7	0.0	0.1
Coarse sand	35	0.50	1	0.0	0.0	0.1	0.1	0.1	0.3	0.5	4.2	0.1	0.2
Medium sand	60	0.25	2	0.1	0.2	0.2	0.4	0.6	0.9	1.1	5.2	0.7	0.9
Fine sand	120	0.125	3	1.2	1.4	1.2	1.6	2.0	2.9	4.2	9.4	3.4	4.3
Very fine sand	200	0.075	3.75	23.0	24.4	27.7	29.3	22.5	25.4	22.5	31.9	15.6	19.9
Very fine sand	230	0.0625	4	13.1	37.5	11.1	40.4	13.1	38.4	9.4	41.3	11.8	31.6
Coarse silt	Hydrometer	0.0312	5	29.6	67.1	26.1	66.5	30.5	69.0	23.2	64.4	34.3	65.9
Very fine silt	Hydrometer	0.0039	8	14.9	82.0	15.9	82.4	16.2	85.2	17.2	81.7	21.7	87.6
Clay	Hydrometer	<0.0039	--	18.0	100.0	17.6	100.0	14.8	100.0	18.3	100.0	12.4	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA17012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA1701 201313-15		OA1701 201317-19		OA1701 201321-23		OA1701 201325-27		OA1701 201329-31	
Depth Interval				12-16 cm		16-20 cm		20-24 cm		24-28 cm		28-32 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-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	1.00	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
Coarse sand	35	0.50	1	0.1	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.1	0.1
Medium sand	60	0.25	2	0.1	0.2	0.1	0.2	0.1	0.2	0.1	0.2	0.1	0.2
Fine sand	120	0.125	3	1.2	1.4	1.1	1.3	0.8	1.0	0.8	1.0	0.6	0.7
Very fine sand	200	0.075	3.75	20.3	21.7	18.3	19.6	26.0	27.0	19.6	20.6	21.0	21.8
Very fine sand	230	0.0625	4	9.5	31.3	10.8	30.3	7.8	34.7	11.5	32.1	9.6	31.4
Coarse silt	Hydrometer	0.0312	5	25.8	57.1	27.0	57.3	20.0	54.7	28.9	60.9	24.0	55.3
Very fine silt	Hydrometer	0.0039	8	30.0	87.1	33.8	91.2	34.0	88.7	28.7	89.6	34.5	89.8
Clay	Hydrometer	<0.0039	--	12.9	100.0	8.8	100.0	11.3	100.0	10.4	100.0	10.2	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA17012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA1701 201333	
Depth Interval				33 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-3.25	0.0	0.0
Small pebble	4	4.75	-2.25	0.0	0.0
Gravel	10	2.00	-1	0.0	0.0
Very coarse sand	18	1.00	0	0.0	0.0
Coarse sand	35	0.50	1	0.1	0.1
Medium sand	60	0.25	2	0.2	0.3
Fine sand	120	0.125	3	1.2	1.5
Very fine sand	200	0.075	3.75	19.8	21.2
Very fine sand	230	0.0625	4	11.5	32.7
Coarse silt	Hydrometer	0.0312	5	28.5	61.3
Very fine silt	Hydrometer	0.0039	8	28.1	89.4
Clay	Hydrometer	<0.0039	--	10.6	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA18012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA1801 201301		OA1801 201303		OA1801 201305		OA1801 201307		OA1801 201309-11	
Depth Interval				0-2 cm		2-4 cm		4-6 cm		6-8 cm		8-12 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-1	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Very coarse sand	18	1.00	0	0.3	0.7	0.0	0.0	0.2	0.2	0.0	0.0	0.1	0.1
Coarse sand	35	0.50	1	0.1	0.8	0.0	0.1	0.2	0.4	0.1	0.1	0.2	0.3
Medium sand	60	0.25	2	0.2	1.0	1.0	1.1	1.1	1.5	1.6	1.7	1.3	1.5
Fine sand	120	0.125	3	1.6	2.6	2.8	4.0	3.8	5.3	4.4	6.2	5.1	6.7
Very fine sand	200	0.075	3.75	21.2	23.8	14.3	18.3	17.5	22.8	14.8	21.0	17.7	24.4
Very fine sand	230	0.0625	4	8.4	32.2	7.6	25.9	6.9	29.7	6.1	27.1	8.3	32.6
Coarse silt	Hydrometer	0.0312	5	22.0	54.2	19.6	45.5	19.4	49.0	17.6	44.7	24.9	57.6
Very fine silt	Hydrometer	0.0039	8	20.1	74.3	22.0	67.5	26.2	75.2	29.3	73.9	28.6	86.2
Clay	Hydrometer	<0.0039	--	25.7	100.0	32.5	100.0	24.8	100.0	26.1	100.0	13.8	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA18012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA1801 201313-15		OA1801 201317-19		OA1801 201321-23		OA1801 201325-27		OA1801 201329-31	
Depth Interval				12-16 cm		16-20 cm		20-24 cm		24-28 cm		28-32 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-1	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Very coarse sand	18	1.00	0	0.3	0.7	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
Coarse sand	35	0.50	1	0.3	0.9	0.1	0.2	0.1	0.1	0.1	0.2	0.1	0.3
Medium sand	60	0.25	2	4.4	5.3	4.5	4.7	1.1	1.2	0.7	0.9	0.2	0.5
Fine sand	120	0.125	3	8.7	14.0	12.7	17.4	8.2	9.4	2.5	3.4	1.0	1.5
Very fine sand	200	0.075	3.75	18.5	32.5	20.5	38.0	17.8	27.2	25.3	28.7	21.2	22.7
Very fine sand	230	0.0625	4	4.6	37.1	4.4	42.3	3.3	30.5	10.0	38.7	10.2	32.9
Coarse silt	Hydrometer	0.0312	5	14.9	52.1	16.0	58.4	13.2	43.6	25.2	63.9	25.4	58.3
Very fine silt	Hydrometer	0.0039	8	34.1	86.2	24.0	82.4	38.8	82.4	25.2	89.1	33.8	92.1
Clay	Hydrometer	<0.0039	--	13.8	100.0	17.6	100.0	17.6	100.0	10.9	100.0	7.9	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA18012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA1801 201333-35		OA1801 201337-39		OA1801 201341-43		OA1801 201344.5	
Depth Interval				32-36 cm		36-40 cm		40-44 cm		44.5 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-1	0.0	0.0	1.0	1.0	0.4	0.4	0.6	0.6
Very coarse sand	18	1.00	0	0.3	0.3	0.5	1.6	0.3	0.7	0.1	0.7
Coarse sand	35	0.50	1	0.1	0.4	0.4	2.0	0.2	0.8	0.1	0.8
Medium sand	60	0.25	2	0.2	0.6	0.3	2.2	0.2	1.1	0.1	0.9
Fine sand	120	0.125	3	0.7	1.3	0.9	3.1	0.7	1.7	0.6	1.5
Very fine sand	200	0.075	3.75	32.7	34.0	22.6	25.7	30.8	32.6	15.5	17.0
Very fine sand	230	0.0625	4	7.1	41.1	10.4	36.1	9.2	41.8	11.3	28.3
Coarse silt	Hydrometer	0.0312	5	17.7	58.8	26.0	62.1	23.1	64.9	27.8	56.1
Very fine silt	Hydrometer	0.0039	8	32.7	91.5	29.3	91.4	27.6	92.5	30.7	86.8
Clay	Hydrometer	<0.0039	--	8.5	100.0	8.6	100.0	7.5	100.0	13.2	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA19012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA1901 201301		OA1901 201303		OA1901 201305		OA1901 201307		OA1901 201309-11	
Depth Interval				0-2 cm		2-4 cm		4-6 cm		6-8 cm		8-12 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-1	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
Very coarse sand	18	1.00	0	0.0	0.0	0.0	0.0	0.1	0.2	0.1	0.1	0.0	0.0
Coarse sand	35	0.50	1	0.1	0.1	0.1	0.1	0.1	0.3	0.2	0.2	0.1	0.1
Medium sand	60	0.25	2	0.1	0.2	0.3	0.3	0.4	0.7	1.2	1.4	0.2	0.3
Fine sand	120	0.125	3	0.7	0.9	1.3	1.6	1.8	2.5	2.7	4.1	1.3	1.6
Very fine sand	200	0.075	3.75	27.3	28.3	23.7	25.4	60.4	62.9	22.8	26.9	29.9	31.5
Very fine sand	230	0.0625	4	7.3	35.6	10.7	36.0	1.5	64.4	10.2	37.1	10.7	42.2
Coarse silt	Hydrometer	0.0312	5	20.2	55.8	24.6	60.7	5.6	70.0	24.5	61.6	27.9	70.2
Very fine silt	Hydrometer	0.0039	8	17.7	73.5	16.0	76.6	13.8	83.8	16.3	77.9	17.6	87.8
Clay	Hydrometer	<0.0039	--	26.6	100.0	23.4	100.0	16.2	100.0	22.1	100.0	12.2	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA19012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA1901 201313-15		OA1901 201317-19		OA1901 201321-23		OA1901 201325-27		OA1901 201329-31	
Depth Interval				12-16 cm		16-20 cm		20-24 cm		24-28 cm		28-32 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-1	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
Very coarse sand	18	1.00	0	0.0	0.0	0.2	0.2	0.0	0.1	0.0	0.0	0.0	0.0
Coarse sand	35	0.50	1	0.1	0.1	0.1	0.4	0.0	0.1	0.1	0.1	0.1	0.1
Medium sand	60	0.25	2	1.8	1.8	0.4	0.8	0.2	0.3	0.1	0.2	0.1	0.2
Fine sand	120	0.125	3	4.4	6.2	1.6	2.4	0.9	1.2	0.7	0.8	0.9	1.1
Very fine sand	200	0.075	3.75	22.5	28.7	28.2	30.6	28.8	30.0	28.5	29.3	27.3	28.4
Very fine sand	230	0.0625	4	7.1	35.8	6.5	37.1	8.0	38.0	8.4	37.8	9.4	37.8
Coarse silt	Hydrometer	0.0312	5	19.7	55.5	18.3	55.5	20.1	58.1	21.2	59.0	23.5	61.3
Very fine silt	Hydrometer	0.0039	8	30.8	86.2	30.8	86.2	34.0	92.1	30.2	89.2	30.5	91.8
Clay	Hydrometer	<0.0039	--	13.8	100.0	13.8	100.0	7.9	100.0	10.8	100.0	8.2	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA19012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA1901 201333-35		OA1901 201337-39		OA1901 201341	
Depth Interval				32-36 cm		36-40 cm		40-44 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-1	0.0	0.0	0.0	0.0	0.0	0.0
Very coarse sand	18	1.00	0	0.0	0.0	0.0	0.0	0.0	0.0
Coarse sand	35	0.50	1	0.1	0.1	0.0	0.1	0.1	0.1
Medium sand	60	0.25	2	0.1	0.1	0.1	0.1	0.1	0.2
Fine sand	120	0.125	3	0.7	0.8	0.7	0.9	0.6	0.8
Very fine sand	200	0.075	3.75	29.7	30.5	31.9	32.8	31.2	31.9
Very fine sand	230	0.0625	4	8.3	38.8	11.4	44.2	9.0	41.0
Coarse silt	Hydrometer	0.0312	5	20.8	59.6	27.9	72.2	23.2	64.2
Very fine silt	Hydrometer	0.0039	8	31.1	90.7	20.6	92.8	23.3	87.5
Clay	Hydrometer	<0.0039	--	9.3	100.0	7.2	100.0	12.5	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA20012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA2001 201301		OA2001 201303		OA2001 201305		OA2001 201307		OA2001 201309-11	
Depth Interval				0-2 cm		2-4 cm		4-6 cm		6-8 cm		8-12 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-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	1.00	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Coarse sand	35	0.50	1	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Medium sand	60	0.25	2	0.2	0.3	0.1	0.2	0.1	0.2	0.1	0.1	0.2	0.2
Fine sand	120	0.125	3	2.0	2.3	1.2	1.3	1.7	1.8	1.4	1.5	1.7	1.9
Very fine sand	200	0.075	3.75	41.6	43.9	37.5	38.9	34.9	36.7	36.6	38.1	46.1	48.1
Very fine sand	230	0.0625	4	7.6	51.5	8.2	47.0	10.4	47.0	6.6	44.8	8.1	56.2
Coarse silt	Hydrometer	0.0312	5	17.8	69.2	18.0	65.1	22.5	69.6	14.7	59.4	20.8	77.0
Very fine silt	Hydrometer	0.0039	8	11.9	81.1	11.7	76.8	11.2	80.8	13.8	73.2	13.2	90.2
Clay	Hydrometer	<0.0039	--	18.9	100.0	23.2	100.0	19.2	100.0	26.8	100.0	9.8	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA20012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA2001 201313-15		OA2001 201317-19		OA2001 201321-23		OA2001 201325-27		OA2001 201329-31	
Depth Interval				12-16 cm		16-20 cm		20-24 cm		24-28 cm		28-32 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-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	1.00	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Coarse sand	35	0.50	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.2
Medium sand	60	0.25	2	0.2	0.3	0.2	0.3	0.3	0.4	0.4	0.5	0.4	0.5
Fine sand	120	0.125	3	1.4	1.7	1.3	1.7	2.5	2.9	1.9	2.5	1.6	2.1
Very fine sand	200	0.075	3.75	51.6	53.3	49.5	51.2	42.4	45.3	43.7	46.2	47.1	49.2
Very fine sand	230	0.0625	4	6.3	59.6	6.9	58.1	8.2	53.5	7.7	53.9	7.2	56.4
Coarse silt	Hydrometer	0.0312	5	17.4	77.0	19.3	77.4	22.0	75.6	21.0	74.9	19.5	75.9
Very fine silt	Hydrometer	0.0039	8	14.9	91.9	14.6	92.0	13.3	88.9	16.9	91.9	15.6	91.5
Clay	Hydrometer	<0.0039	--	8.1	100.0	8.0	100.0	11.1	100.0	8.1	100.0	8.5	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA20012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA2001 201333-35		OA2001 201337-39		OA2001 201341-43		OA2001 201345-47		OA2001 201349-51	
Depth Interval				32-36 cm		36-40 cm		40-44 cm		44-48 cm		48-52 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-1	0.0	0.0	0.2	0.2	1.1	1.1	0.3	0.3	0.0	0.0
Very coarse sand	18	1.00	0	0.1	0.1	0.1	0.3	0.2	1.2	0.3	0.7	0.1	0.1
Coarse sand	35	0.50	1	0.1	0.2	0.2	0.5	0.3	1.5	0.4	1.1	0.2	0.3
Medium sand	60	0.25	2	0.5	0.7	0.8	1.3	0.7	2.2	0.4	1.5	0.3	0.6
Fine sand	120	0.125	3	2.2	2.9	2.1	3.4	2.6	4.8	1.5	3.0	1.8	2.5
Very fine sand	200	0.075	3.75	44.8	47.7	49.7	53.1	37.8	42.6	41.6	44.6	37.0	39.5
Very fine sand	230	0.0625	4	11.1	58.7	5.2	58.3	6.9	49.5	5.6	50.3	8.5	47.9
Coarse silt	Hydrometer	0.0312	5	24.6	83.4	14.6	72.9	18.8	68.2	16.1	66.4	21.4	69.4
Very fine silt	Hydrometer	0.0039	8	7.8	91.1	17.3	90.3	22.4	90.7	24.5	90.9	22.3	91.7
Clay	Hydrometer	<0.0039	--	8.9	100.0	9.7	100.0	9.3	100.0	9.1	100.0	8.3	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA20012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California**

Sample ID				OA2001 201353	
Depth Interval				52-53 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-3.25	0.0	0.0
Small pebble	4	4.75	-2.25	0.0	0.0
Gravel	10	2.00	-1	0.6	0.6
Very coarse sand	18	1.00	0	0.3	0.9
Coarse sand	35	0.50	1	0.2	1.1
Medium sand	60	0.25	2	0.2	1.4
Fine sand	120	0.125	3	1.3	2.6
Very fine sand	200	0.075	3.75	43.5	46.1
Very fine sand	230	0.0625	4	6.8	52.9
Coarse silt	Hydrometer	0.0312	5	17.0	69.9
Very fine silt	Hydrometer	0.0039	8	17.7	87.6
Clay	Hydrometer	<0.0039	--	12.4	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA21012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA2101 201301		OA2101 201303		OA2101 201305		OA2101 201307		OA2101 201309-11	
Depth Interval				0-2 cm		2-4 cm		4-6 cm		6-8 cm		8-12 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-1	0.2	0.2	0.0	0.0	0.2	0.2	0.0	0.0	0.1	0.1
Very coarse sand	18	1.00	0	0.1	0.3	0.0	0.0	0.2	0.4	0.3	0.3	0.4	0.4
Coarse sand	35	0.50	1	0.1	0.4	0.1	0.1	0.2	0.6	0.5	0.7	0.4	0.8
Medium sand	60	0.25	2	0.2	0.6	0.6	0.7	1.3	2.0	1.1	1.8	0.7	1.5
Fine sand	120	0.125	3	1.4	2.0	1.6	2.3	2.7	4.7	1.7	3.5	2.2	3.8
Very fine sand	200	0.075	3.75	37.2	39.3	43.7	45.9	31.8	36.5	33.3	36.8	28.5	32.3
Very fine sand	230	0.0625	4	8.9	48.2	5.2	51.1	7.1	43.5	7.2	44.0	8.6	40.9
Coarse silt	Hydrometer	0.0312	5	20.1	68.3	13.3	64.4	16.9	60.4	18.5	62.5	22.5	63.4
Very fine silt	Hydrometer	0.0039	8	10.4	78.7	15.3	79.7	16.3	76.7	18.8	81.2	27.1	90.5
Clay	Hydrometer	<0.0039	--	21.3	100.0	20.3	100.0	23.3	100.0	18.8	100.0	9.5	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA21012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA2101 201313-15	
Depth Interval				12-16 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-3.25	0.0	0.0
Small pebble	4	4.75	-2.25	0.0	0.0
Gravel	10	2.00	-1	0.6	0.6
Very coarse sand	18	1.00	0	0.1	0.7
Coarse sand	35	0.50	1	0.1	0.8
Medium sand	60	0.25	2	0.2	1.0
Fine sand	120	0.125	3	0.9	2.0
Very fine sand	200	0.075	3.75	44.1	46.1
Very fine sand	230	0.0625	4	6.5	52.6
Coarse silt	Hydrometer	0.0312	5	17.2	69.8
Very fine silt	Hydrometer	0.0039	8	22.2	92.0
Clay	Hydrometer	<0.0039	--	8.0	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA22012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA2201 201301		OA2201 201303		OA2201 201305		OA2201 201307		OA2201 201309-11	
Depth Interval				0-2 cm		2-4 cm		4-6 cm		6-8 cm		8-12 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-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	1.00	0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
Coarse sand	35	0.50	1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1
Medium sand	60	0.25	2	0.2	0.3	0.1	0.3	0.2	0.4	1.0	1.1	0.5	0.6
Fine sand	120	0.125	3	1.5	1.8	1.3	1.6	2.0	2.4	2.4	3.6	2.1	2.7
Very fine sand	200	0.075	3.75	38.8	40.6	38.7	40.2	31.6	34.0	29.7	33.3	31.6	34.4
Very fine sand	230	0.0625	4	10.1	50.7	9.9	50.1	9.4	43.4	5.3	38.6	7.7	42.1
Coarse silt	Hydrometer	0.0312	5	22.6	73.3	22.5	72.6	22.5	65.9	14.6	53.2	20.4	62.4
Very fine silt	Hydrometer	0.0039	8	8.0	81.3	9.8	82.4	13.9	79.9	18.3	71.5	23.1	85.5
Clay	Hydrometer	<0.0039	--	18.7	100.0	17.6	100.0	20.1	100.0	28.5	100.0	14.5	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA22012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA2201 201313-15		OA2201 201317-19		OA2201 201321-23		OA2201 201325-27		OA2201 201329-31	
Depth Interval				12-16 cm		16-20 cm		20-24 cm		24-28 cm		28-32 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-1	0.2	0.2	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
Very coarse sand	18	1.00	0	0.1	0.2	0.0	0.1	0.1	0.2	0.0	0.0	0.1	0.1
Coarse sand	35	0.50	1	0.1	0.3	0.1	0.1	0.1	0.3	0.1	0.1	0.1	0.2
Medium sand	60	0.25	2	0.5	0.8	0.5	0.6	0.2	0.5	0.3	0.4	0.2	0.3
Fine sand	120	0.125	3	2.0	2.9	2.2	2.8	1.3	1.8	1.4	1.8	1.2	1.5
Very fine sand	200	0.075	3.75	38.5	41.4	39.1	41.9	43.5	45.3	40.5	42.3	41.8	43.3
Very fine sand	230	0.0625	4	5.7	47.1	8.2	50.1	6.2	51.5	7.7	50.0	7.4	50.7
Coarse silt	Hydrometer	0.0312	5	16.8	63.9	19.9	70.0	15.9	67.4	19.2	69.2	18.5	69.2
Very fine silt	Hydrometer	0.0039	8	23.9	87.8	20.3	90.3	23.3	90.7	22.6	91.8	21.3	90.5
Clay	Hydrometer	<0.0039	--	12.2	100.0	9.7	100.0	9.3	100.0	8.2	100.0	9.5	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA22012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA2201 201333-35	
Depth Interval				32-36 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-3.25	0.0	0.0
Small pebble	4	4.75	-2.25	0.0	0.0
Gravel	10	2.00	-1	0.1	0.1
Very coarse sand	18	1.00	0	0.2	0.2
Coarse sand	35	0.50	1	0.1	0.4
Medium sand	60	0.25	2	0.2	0.6
Fine sand	120	0.125	3	1.7	2.2
Very fine sand	200	0.075	3.75	43.4	45.7
Very fine sand	230	0.0625	4	8.2	53.9
Coarse silt	Hydrometer	0.0312	5	20.2	74.1
Very fine silt	Hydrometer	0.0039	8	18.5	92.5
Clay	Hydrometer	<0.0039	--	7.5	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA22022013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA2202 201301		OA2202 201303		OA2202 201305		OA2202 201307		OA2202 201309-11	
Depth Interval				0-2 cm		2-4 cm		4-6 cm		6-8 cm		8-12 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.0	0.0
Very coarse sand	18	1.00	0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	0.1	0.1
Coarse sand	35	0.50	1	0.1	0.1	0.2	0.2	0.0	0.1	0.1	0.4	0.1	0.1
Medium sand	60	0.25	2	0.4	0.5	0.2	0.3	0.3	0.3	0.4	0.8	0.3	0.4
Fine sand	120	0.125	3	2.0	2.5	1.5	1.8	1.8	2.1	1.6	2.4	1.9	2.3
Very fine sand	200	0.075	3.75	41.2	43.7	46.8	48.6	41.9	44.0	42.6	45.0	37.4	39.6
Very fine sand	230	0.0625	4	8.6	52.4	5.3	53.9	7.9	52.0	5.6	50.6	9.6	49.2
Coarse silt	Hydrometer	0.0312	5	19.4	71.8	13.4	67.3	18.2	70.2	14.4	65.0	24.9	74.1
Very fine silt	Hydrometer	0.0039	8	10.1	81.9	13.5	80.8	13.4	83.6	15.5	80.5	16.0	90.1
Clay	Hydrometer	<0.0039	--	18.1	100.0	19.2	100.0	16.4	100.0	19.5	100.0	9.9	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA22022013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA2202 201313-15		OA2202 201317-19		OA2202 201321-23		OA2202 201325-27		OA2202 201329-31	
Depth Interval				12-16 cm		16-20 cm		20-24 cm		24-28 cm		28-32 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-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	1.00	0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.1
Coarse sand	35	0.50	1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.1	0.2
Medium sand	60	0.25	2	0.6	0.7	0.3	0.4	0.2	0.4	0.2	0.4	0.2	0.4
Fine sand	120	0.125	3	1.9	2.6	1.9	2.3	1.3	1.7	1.4	1.8	1.2	1.6
Very fine sand	200	0.075	3.75	35.7	38.2	37.8	40.1	39.5	41.2	37.8	39.6	43.0	44.5
Very fine sand	230	0.0625	4	8.6	46.8	7.2	47.3	7.1	48.3	8.1	47.7	7.5	52.0
Coarse silt	Hydrometer	0.0312	5	23.4	70.2	20.0	67.3	18.2	66.6	20.2	67.8	18.7	70.8
Very fine silt	Hydrometer	0.0039	8	19.9	90.1	23.0	90.2	23.9	90.5	25.0	92.8	20.8	91.5
Clay	Hydrometer	<0.0039	--	9.9	100.0	9.8	100.0	9.5	100.0	7.2	100.0	8.5	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA22022013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA2202 201333-35		OA2202 201337-39	
Depth Interval				32-36 cm		36-40 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-3.25	0.0	0.0	0.0	0.0
Small pebble	4	4.75	-2.25	0.0	0.0	0.0	0.0
Gravel	10	2.00	-1	0.0	0.0	0.0	0.0
Very coarse sand	18	1.00	0	0.0	0.1	0.1	0.1
Coarse sand	35	0.50	1	0.1	0.2	0.1	0.2
Medium sand	60	0.25	2	1.1	1.3	0.1	0.4
Fine sand	120	0.125	3	5.4	6.7	1.0	1.4
Very fine sand	200	0.075	3.75	32.8	39.5	46.3	47.7
Very fine sand	230	0.0625	4	8.5	48.0	6.3	54.0
Coarse silt	Hydrometer	0.0312	5	21.0	69.1	16.2	70.2
Very fine silt	Hydrometer	0.0039	8	22.9	91.9	22.4	92.6
Clay	Hydrometer	<0.0039	--	8.1	100.0	7.4	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA23012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA2301 201301		OA2301 201303		OA2301 201305		OA2301 201307		OA2301 201309-11	
Depth Interval				0-2 cm		2-4 cm		4-6 cm		6-8 cm		8-12 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-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	1.00	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Coarse sand	35	0.50	1	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.2	0.1	0.1
Medium sand	60	0.25	2	0.1	0.2	0.2	0.3	0.3	0.3	0.4	0.6	0.3	0.4
Fine sand	120	0.125	3	1.3	1.5	1.4	1.7	1.9	2.2	1.6	2.2	1.9	2.2
Very fine sand	200	0.075	3.75	27.4	28.9	36.8	38.5	29.7	31.9	38.8	41.0	36.1	38.3
Very fine sand	230	0.0625	4	10.3	39.3	7.3	45.9	10.1	41.9	6.4	47.3	9.6	47.9
Coarse silt	Hydrometer	0.0312	5	25.0	64.2	17.3	63.1	23.2	65.2	16.6	64.0	25.0	72.9
Very fine silt	Hydrometer	0.0039	8	15.3	79.6	16.4	79.5	16.4	81.5	16.2	80.2	17.9	90.8
Clay	Hydrometer	<0.0039	--	20.4	100.0	20.5	100.0	18.5	100.0	19.8	100.0	9.2	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA23012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA2301 201313-15		OA2301 201317-19		OA2301 201321-23		OA2301 201325-27		OA2301 201329-31	
Depth Interval				12-16 cm		16-20 cm		20-24 cm		24-28 cm		28-32 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-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	1.00	0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0
Coarse sand	35	0.50	1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.2	0.1	0.1
Medium sand	60	0.25	2	0.3	0.3	0.4	0.5	0.7	0.8	0.5	0.6	0.3	0.4
Fine sand	120	0.125	3	1.7	2.1	2.3	2.8	2.2	3.0	2.7	3.3	2.1	2.5
Very fine sand	200	0.075	3.75	38.0	40.1	32.6	35.4	37.6	40.6	33.4	36.7	37.6	40.1
Very fine sand	230	0.0625	4	8.7	48.8	13.1	48.6	6.4	47.1	6.9	43.6	5.8	46.0
Coarse silt	Hydrometer	0.0312	5	23.2	71.9	29.0	77.6	18.3	65.3	20.2	63.8	16.0	61.9
Very fine silt	Hydrometer	0.0039	8	18.6	90.6	12.2	89.8	24.5	89.9	26.1	89.9	28.2	90.2
Clay	Hydrometer	<0.0039	--	9.4	100.0	10.2	100.0	10.1	100.0	10.1	100.0	9.8	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA23012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA2301 201333-35		OA2301 201337-39		OA2301 201341-43		OA2301 201345-47		OA2301 201349	
Depth Interval				32-36 cm		36-40 cm		40-44 cm		44-48 cm		48-49 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-1	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Very coarse sand	18	1.00	0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.3	0.3
Coarse sand	35	0.50	1	0.0	0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.1	0.4
Medium sand	60	0.25	2	0.2	0.2	0.2	0.4	0.1	0.3	0.1	0.2	0.2	0.6
Fine sand	120	0.125	3	1.9	2.1	1.2	1.7	1.7	2.0	1.0	1.2	1.1	1.7
Very fine sand	200	0.075	3.75	31.0	33.1	34.3	36.0	29.6	31.5	33.6	34.8	28.5	30.2
Very fine sand	230	0.0625	4	8.2	41.3	7.8	43.8	8.4	40.0	8.5	43.3	10.4	40.6
Coarse silt	Hydrometer	0.0312	5	21.2	62.5	21.0	64.8	21.3	61.2	21.3	64.6	24.8	65.4
Very fine silt	Hydrometer	0.0039	8	28.5	91.0	24.8	89.6	27.8	89.0	27.6	92.2	21.1	86.5
Clay	Hydrometer	<0.0039	--	9.0	100.0	10.4	100.0	11.0	100.0	7.8	100.0	13.5	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA24012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA2401 201301		OA2401 201303		OA2401 201305		OA2401 201307		OA2401 201309-11	
Depth Interval				0-2 cm		2-4 cm		4-6 cm		6-8 cm		8-12 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-1	0.0	0.0	0.0	0.0	0.7	0.7	0.0	0.0	0.0	0.0
Very coarse sand	18	1.00	0	0.0	0.0	0.5	0.5	0.8	1.5	0.1	0.1	0.0	0.0
Coarse sand	35	0.50	1	0.1	0.1	0.4	0.9	0.5	2.0	0.2	0.4	0.2	0.2
Medium sand	60	0.25	2	0.2	0.3	0.7	1.6	0.6	2.7	2.3	2.6	0.4	0.6
Fine sand	120	0.125	3	1.2	1.4	1.7	3.3	2.0	4.6	2.7	5.3	2.1	2.7
Very fine sand	200	0.075	3.75	43.8	45.2	39.4	42.7	41.2	45.8	34.4	39.7	50.1	52.8
Very fine sand	230	0.0625	4	7.1	52.3	7.4	50.1	6.8	52.6	6.0	45.7	4.7	57.5
Coarse silt	Hydrometer	0.0312	5	16.2	68.5	16.9	67.0	16.9	69.5	14.8	60.5	13.6	71.0
Very fine silt	Hydrometer	0.0039	8	11.3	79.7	12.3	79.2	12.9	82.4	16.5	77.0	18.4	89.4
Clay	Hydrometer	<0.0039	--	20.3	100.0	20.8	100.0	17.6	100.0	23.0	100.0	10.6	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA24012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA2401 201313-15		OA2401 201317-19		OA2401 201321	
Depth Interval				12-16 cm		16-20 cm		20-21 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-1	0.0	0.0	0.0	0.0	0.0	0.0
Very coarse sand	18	1.00	0	0.3	0.3	0.1	0.1	0.4	0.4
Coarse sand	35	0.50	1	0.1	0.4	0.1	0.2	0.1	0.6
Medium sand	60	0.25	2	0.2	0.5	0.2	0.4	0.2	0.8
Fine sand	120	0.125	3	1.3	1.8	1.4	1.8	1.3	2.1
Very fine sand	200	0.075	3.75	49.3	51.2	53.4	55.2	47.8	50.0
Very fine sand	230	0.0625	4	7.0	58.2	5.0	60.2	3.0	53.0
Coarse silt	Hydrometer	0.0312	5	16.9	75.0	12.6	72.8	9.2	62.1
Very fine silt	Hydrometer	0.0039	8	16.6	91.7	18.0	90.8	22.7	84.9
Clay	Hydrometer	<0.0039	--	8.3	100.0	9.2	100.0	15.1	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA25012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA2501 201301		OA2501 201303		OA2501 201305		OA2501 201307		OA2501 201309-11	
Depth Interval				0-2 cm		2-4 cm		4-6 cm		6-8 cm		8-12 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-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	1.00	0	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
Coarse sand	35	0.50	1	0.1	0.4	0.1	0.3	0.2	0.2	0.1	0.1	0.0	0.1
Medium sand	60	0.25	2	0.3	0.8	0.2	0.6	0.2	0.3	0.3	0.4	0.2	0.3
Fine sand	120	0.125	3	3.0	3.7	2.2	2.8	2.3	2.6	2.4	2.7	2.3	2.6
Very fine sand	200	0.075	3.75	50.5	54.2	51.7	54.5	49.3	51.9	52.7	55.4	50.7	53.3
Very fine sand	230	0.0625	4	5.1	59.4	4.7	59.2	5.7	57.7	4.2	59.6	6.9	60.2
Coarse silt	Hydrometer	0.0312	5	12.0	71.4	11.3	70.5	12.4	70.1	10.6	70.2	17.3	77.5
Very fine silt	Hydrometer	0.0039	8	10.1	81.4	12.4	82.9	12.4	82.5	12.8	83.0	13.5	91.1
Clay	Hydrometer	<0.0039	--	18.6	100.0	17.1	100.0	17.5	100.0	17.0	100.0	8.9	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA25012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA2501 201313-15		OA2501 201317-19		OA2501 201321-23		OA2501 201325-27		OA2501 201329-31	
Depth Interval				12-16 cm		16-20 cm		20-24 cm		24-28 cm		28-32 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6
Very coarse sand	18	1.00	0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.1	0.7
Coarse sand	35	0.50	1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.8
Medium sand	60	0.25	2	0.2	0.2	0.1	0.3	0.2	0.5	0.2	0.3	0.2	1.1
Fine sand	120	0.125	3	2.0	2.3	2.1	2.4	1.8	2.3	2.3	2.6	1.7	2.8
Very fine sand	200	0.075	3.75	55.9	58.1	46.2	48.6	52.2	54.5	43.9	46.6	46.0	48.8
Very fine sand	230	0.0625	4	4.7	62.8	8.1	56.7	5.6	60.1	6.6	53.2	6.0	54.8
Coarse silt	Hydrometer	0.0312	5	13.3	76.1	20.5	77.1	14.6	74.8	17.6	70.8	15.3	70.1
Very fine silt	Hydrometer	0.0039	8	14.7	90.7	13.6	90.8	15.3	90.0	18.1	88.8	21.2	91.3
Clay	Hydrometer	<0.0039	--	9.3	100.0	9.2	100.0	10.0	100.0	11.2	100.0	8.7	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA25012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA2501 201333-35	
Depth Interval				32-36 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-3.25	0.0	0.0
Small pebble	4	4.75	-2.25	0.0	0.0
Gravel	10	2.00	-1	0.7	0.7
Very coarse sand	18	1.00	0	0.1	0.8
Coarse sand	35	0.50	1	0.1	0.9
Medium sand	60	0.25	2	0.2	1.1
Fine sand	120	0.125	3	2.2	3.3
Very fine sand	200	0.075	3.75	49.3	52.6
Very fine sand	230	0.0625	4	6.0	58.6
Coarse silt	Hydrometer	0.0312	5	15.0	73.6
Very fine silt	Hydrometer	0.0039	8	19.5	93.1
Clay	Hydrometer	<0.0039	--	6.9	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA26012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA2601 201301		OA2601 201303		OA2601 201305		OA2601 201307		OA2601 201309-11	
Depth Interval				0-2 cm		2-4 cm		4-6 cm		6-8 cm		8-12 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-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	1.00	0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.3	0.1	0.1
Coarse sand	35	0.50	1	0.3	0.4	0.2	0.3	0.5	0.6	0.4	0.7	0.3	0.3
Medium sand	60	0.25	2	0.2	0.6	0.5	0.8	0.7	1.3	1.1	1.8	1.3	1.7
Fine sand	120	0.125	3	1.7	2.3	2.4	3.2	2.6	3.9	4.8	6.6	8.8	10.4
Very fine sand	200	0.075	3.75	19.9	22.2	16.3	19.5	16.3	20.2	15.9	22.5	18.2	28.7
Very fine sand	230	0.0625	4	6.2	28.4	7.7	27.2	10.1	30.3	8.1	30.5	10.1	38.7
Coarse silt	Hydrometer	0.0312	5	17.3	45.7	20.7	47.9	26.0	56.4	20.6	51.1	28.5	67.2
Very fine silt	Hydrometer	0.0039	8	21.8	67.5	24.3	72.2	21.1	77.5	23.0	74.2	17.7	85.0
Clay	Hydrometer	<0.0039	--	32.5	100.0	27.8	100.0	22.5	100.0	25.8	100.0	15.0	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA26012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA2601 201313-15		OA2601 201317-19		OA2601 201321-23		OA2601 201325-27		OA2601 201329-31	
Depth Interval				12-16 cm		16-20 cm		20-24 cm		24-28 cm		28-32 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-1	0.1	0.1	0.2	0.2	0.3	0.3	0.1	0.1	0.0	0.0
Very coarse sand	18	1.00	0	0.2	0.3	0.1	0.4	0.2	0.5	0.1	0.2	0.1	0.1
Coarse sand	35	0.50	1	0.3	0.6	0.4	0.8	0.4	0.9	0.5	0.7	0.5	0.6
Medium sand	60	0.25	2	2.2	2.8	3.9	4.7	3.0	3.9	1.6	2.3	2.2	2.8
Fine sand	120	0.125	3	12.2	15.0	11.7	16.4	13.9	17.8	10.4	12.7	8.6	11.4
Very fine sand	200	0.075	3.75	16.1	31.2	19.8	36.2	16.4	34.2	15.6	28.3	11.8	23.2
Very fine sand	230	0.0625	4	5.6	36.8	4.2	40.4	4.1	38.2	2.9	31.1	6.5	29.7
Coarse silt	Hydrometer	0.0312	5	24.0	60.8	20.2	60.6	19.6	57.9	21.1	52.2	28.9	58.6
Very fine silt	Hydrometer	0.0039	8	20.5	81.3	21.3	81.9	23.0	80.8	24.8	77.0	23.3	81.9
Clay	Hydrometer	<0.0039	--	18.7	100.0	18.1	100.0	19.2	100.0	23.0	100.0	18.1	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA26012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA2601 201333-35		OA2601 201337-39		OA2601 201341-43		OA2601 201345-47		OA2601 201349-51	
Depth Interval				32-36 cm		36-40 cm		40-44 cm		44-48 cm		48-52 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-1	0.1	0.1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
Very coarse sand	18	1.00	0	0.2	0.3	0.5	0.7	0.5	0.5	0.1	0.1	0.0	0.0
Coarse sand	35	0.50	1	0.6	0.8	0.8	1.5	1.6	2.1	0.5	0.6	0.2	0.3
Medium sand	60	0.25	2	1.7	2.5	2.4	3.9	3.0	5.1	1.0	1.6	0.5	0.7
Fine sand	120	0.125	3	8.2	10.7	6.4	10.3	6.1	11.2	2.4	4.1	1.5	2.2
Very fine sand	200	0.075	3.75	24.1	34.8	11.4	21.7	9.5	20.7	7.3	11.3	10.2	12.4
Very fine sand	230	0.0625	4	3.9	38.7	4.2	25.9	7.5	28.2	9.8	21.1	12.0	24.4
Coarse silt	Hydrometer	0.0312	5	17.1	55.8	30.1	56.1	27.5	55.8	29.4	50.5	31.7	56.1
Very fine silt	Hydrometer	0.0039	8	21.9	77.7	23.8	79.8	17.8	73.6	33.3	83.8	31.7	87.9
Clay	Hydrometer	<0.0039	--	22.3	100.0	20.2	100.0	26.4	100.0	16.2	100.0	12.1	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA26012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA2601 201353-55		OA2601 201357-59		OA2601 201361-63		OA2601 201365-67		OA2601 201369-71	
Depth Interval				52-56 cm		56-60 cm		60-64 cm		64-68 cm		68-72 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-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	1.00	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
Coarse sand	35	0.50	1	0.0	0.1	0.0	0.0	0.1	0.1	0.2	0.2	0.1	0.2
Medium sand	60	0.25	2	0.0	0.1	0.1	0.1	0.1	0.2	0.1	0.4	0.0	0.2
Fine sand	120	0.125	3	0.4	0.5	0.4	0.4	0.8	1.0	0.5	0.9	0.4	0.7
Very fine sand	200	0.075	3.75	10.5	11.0	13.2	13.6	12.9	13.9	12.9	13.8	15.5	16.2
Very fine sand	230	0.0625	4	9.5	20.5	10.0	23.6	10.7	24.7	10.6	24.4	10.9	27.1
Coarse silt	Hydrometer	0.0312	5	23.8	44.4	25.0	48.7	26.9	51.5	26.4	50.8	27.4	54.5
Very fine silt	Hydrometer	0.0039	8	46.7	91.1	42.3	91.0	37.8	89.4	39.8	90.6	36.9	91.4
Clay	Hydrometer	<0.0039	--	8.9	100.0	9.0	100.0	10.6	100.0	9.4	100.0	8.6	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA27012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA2701 201301		OA2701 201303		OA2701 201305		OA2701 201307		OA2701 201309-11	
Depth Interval				0-2 cm		2-4 cm		4-6 cm		6-8 cm		8-12 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-3.25	0.0	0.0	0.0	0.0	0.0	0.0	15.3	15.3	14.1	14.1
Small pebble	4	4.75	-2.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.3	0.0	14.1
Gravel	10	2.00	-1	3.1	3.1	1.0	1.0	2.5	2.5	4.1	19.4	6.7	20.7
Very coarse sand	18	1.00	0	3.2	6.3	3.6	4.6	3.4	5.9	4.2	23.6	5.7	26.4
Coarse sand	35	0.50	1	8.8	15.1	10.7	15.2	8.1	14.0	8.5	32.1	6.7	33.1
Medium sand	60	0.25	2	7.9	23.0	10.7	25.9	8.5	22.5	6.0	38.1	7.3	40.4
Fine sand	120	0.125	3	4.2	27.2	4.3	30.3	2.7	25.2	2.1	40.2	2.1	42.5
Very fine sand	200	0.075	3.75	11.1	38.3	10.7	41.0	10.6	35.8	6.5	46.7	9.5	52.0
Very fine sand	230	0.0625	4	2.2	40.6	2.5	43.4	4.4	40.2	3.9	50.6	2.4	54.4
Coarse silt	Hydrometer	0.0312	5	8.8	49.3	9.0	52.5	12.2	52.4	11.7	62.3	6.3	60.7
Very fine silt	Hydrometer	0.0039	8	18.6	67.9	23.4	75.9	27.1	79.5	21.2	83.5	28.3	89.0
Clay	Hydrometer	<0.0039	--	32.1	100.0	24.1	100.0	20.5	100.0	16.5	100.0	11.0	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA27012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA2701 201313-15		OA2701 201317-19		OA2701 201321-23		OA2701 201325-27	
Depth Interval				12-16 cm		16-20 cm		20-24 cm		24-28 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-1	3.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
Very coarse sand	18	1.00	0	3.2	6.1	1.0	1.0	0.3	0.3	2.5	2.5
Coarse sand	35	0.50	1	4.4	10.5	2.9	3.8	0.6	0.9	2.2	4.7
Medium sand	60	0.25	2	5.0	15.5	3.5	7.3	1.5	2.4	0.9	5.6
Fine sand	120	0.125	3	2.9	18.4	3.3	10.6	4.8	7.1	1.3	6.9
Very fine sand	200	0.075	3.75	4.7	23.0	4.5	15.1	5.2	12.3	2.4	9.3
Very fine sand	230	0.0625	4	8.1	31.1	1.3	16.4	7.1	19.3	0.5	9.7
Coarse silt	Hydrometer	0.0312	5	19.4	50.5	3.5	19.9	17.7	37.0	1.8	11.5
Very fine silt	Hydrometer	0.0039	8	36.5	87.1	54.9	74.8	46.6	83.6	61.4	72.9
Clay	Hydrometer	<0.0039	--	12.9	100.0	25.2	100.0	16.4	100.0	27.1	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA28012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA2801 201301		OA2801 201303		OA2801 201305		OA2801 201307		OA2801 201309-11	
Depth Interval				0-2 cm		2-4 cm		4-6 cm		6-8 cm		8-12 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-1	0.0	0.0	0.0	0.0	1.7	1.7	0.0	0.0	0.0	0.0
Very coarse sand	18	1.00	0	0.1	0.1	0.2	0.2	0.6	2.3	0.4	0.4	0.3	0.3
Coarse sand	35	0.50	1	0.2	0.2	0.1	0.3	0.3	2.7	0.6	1.0	0.3	0.5
Medium sand	60	0.25	2	0.5	0.8	0.3	0.6	1.7	4.3	0.6	1.5	1.6	2.2
Fine sand	120	0.125	3	2.1	2.8	1.4	2.1	3.2	7.5	2.8	4.3	5.9	8.1
Very fine sand	200	0.075	3.75	17.3	20.2	17.8	19.9	16.1	23.7	12.7	17.0	13.1	21.2
Very fine sand	230	0.0625	4	9.8	30.0	9.8	29.7	12.0	35.7	10.7	27.7	9.6	30.8
Coarse silt	Hydrometer	0.0312	5	23.9	53.9	25.8	55.5	26.7	62.4	25.8	53.5	28.9	59.8
Very fine silt	Hydrometer	0.0039	8	19.7	73.5	19.2	74.7	15.0	77.4	18.9	72.4	21.5	81.2
Clay	Hydrometer	<0.0039	--	26.5	100.0	25.3	100.0	22.6	100.0	27.6	100.0	18.8	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA28012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA2801 201313-15		OA2801 201317-19		OA2801 201321-23		OA2801 201325-27		OA2801 201329-31	
Depth Interval				12-16 cm		16-20 cm		20-24 cm		24-28 cm		28-32 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-1	0.1	0.1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
Very coarse sand	18	1.00	0	0.3	0.5	0.1	0.3	0.1	0.1	0.0	0.0	0.0	0.0
Coarse sand	35	0.50	1	0.3	0.8	0.2	0.5	0.1	0.2	0.1	0.1	0.0	0.1
Medium sand	60	0.25	2	1.7	2.5	0.8	1.4	0.5	0.7	0.2	0.3	0.1	0.2
Fine sand	120	0.125	3	5.6	8.1	3.4	4.8	2.0	2.6	1.3	1.6	0.4	0.6
Very fine sand	200	0.075	3.75	9.4	17.4	9.8	14.6	17.7	20.3	18.2	19.8	21.4	22.0
Very fine sand	230	0.0625	4	11.9	29.3	12.9	27.4	11.5	31.8	10.3	30.1	9.6	31.6
Coarse silt	Hydrometer	0.0312	5	33.1	62.4	36.4	63.8	31.5	63.2	25.7	55.7	24.0	55.7
Very fine silt	Hydrometer	0.0039	8	19.0	81.3	22.6	86.4	25.1	88.3	34.7	90.4	34.3	90.0
Clay	Hydrometer	<0.0039	--	18.7	100.0	13.6	100.0	11.7	100.0	9.6	100.0	10.0	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA28012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA2801 201333-35		OA2801 201337-39		OA2801 201341-43		OA2801 201345	
Depth Interval				32-36 cm		36-40 cm		40-44 cm		44-45 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-1	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0
Very coarse sand	18	1.00	0	0.0	0.0	0.1	0.1	0.0	0.1	0.1	0.1
Coarse sand	35	0.50	1	0.0	0.1	0.1	0.2	0.0	0.2	0.0	0.1
Medium sand	60	0.25	2	0.1	0.2	0.1	0.3	0.1	0.3	0.1	0.2
Fine sand	120	0.125	3	0.8	1.0	1.0	1.3	0.5	0.8	0.5	0.7
Very fine sand	200	0.075	3.75	20.6	21.6	21.8	23.1	18.3	19.1	23.3	23.9
Very fine sand	230	0.0625	4	10.8	32.4	9.1	32.2	11.4	30.5	12.8	36.7
Coarse silt	Hydrometer	0.0312	5	27.1	59.5	22.8	55.0	28.6	59.1	29.9	66.6
Very fine silt	Hydrometer	0.0039	8	33.3	92.8	36.6	91.6	32.4	91.5	19.5	86.0
Clay	Hydrometer	<0.0039	--	7.2	100.0	8.4	100.0	8.5	100.0	14.0	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA29012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA2901 201301		OA2901 201303		OA2901 201305		OA2901 201307		OA2901 201309-11	
Depth Interval				0-2 cm		2-4 cm		4-6 cm		6-8 cm		8-12 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-1	1.2	1.2	0.0	0.0	0.0	0.0	0.3	0.3	0.1	0.1
Very coarse sand	18	1.00	0	2.2	3.4	0.6	0.6	0.5	0.5	0.3	0.6	0.1	0.3
Coarse sand	35	0.50	1	2.8	6.2	1.8	2.5	1.3	1.8	0.8	1.4	0.5	0.8
Medium sand	60	0.25	2	4.0	10.2	3.4	5.8	3.1	4.9	4.7	6.1	2.0	2.8
Fine sand	120	0.125	3	4.6	14.8	5.1	10.9	5.7	10.6	7.9	14.0	4.7	7.5
Very fine sand	200	0.075	3.75	11.6	26.4	10.1	21.0	9.2	19.9	7.4	21.4	8.1	15.7
Very fine sand	230	0.0625	4	5.0	31.3	3.0	24.0	2.2	22.1	4.3	25.7	2.6	18.3
Coarse silt	Hydrometer	0.0312	5	16.8	48.1	12.1	36.1	11.9	34.0	12.7	38.4	12.3	30.7
Very fine silt	Hydrometer	0.0039	8	24.5	72.6	32.7	68.8	36.2	70.2	30.0	68.4	50.8	81.4
Clay	Hydrometer	<0.0039	--	27.4	100.0	31.2	100.0	29.8	100.0	31.6	100.0	18.6	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA29012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA2901 201313-15		OA2901 201317-19		OA2901 201321-23		OA2901 201325-27		OA2901 201329-31	
Depth Interval				12-16 cm		16-20 cm		20-24 cm		24-28 cm		28-32 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-1	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	2.2	2.2
Very coarse sand	18	1.00	0	0.1	0.1	1.0	1.0	1.4	1.6	2.1	2.3	2.7	4.9
Coarse sand	35	0.50	1	0.8	0.9	4.8	5.8	6.5	8.1	9.0	11.3	8.2	13.1
Medium sand	60	0.25	2	1.2	2.1	3.9	9.7	4.7	12.8	6.4	17.7	6.5	19.6
Fine sand	120	0.125	3	2.3	4.5	1.2	10.9	1.2	14.0	1.1	18.8	1.1	20.7
Very fine sand	200	0.075	3.75	8.8	13.2	9.4	20.2	10.2	24.1	6.6	25.4	9.7	30.4
Very fine sand	230	0.0625	4	3.0	16.2	9.2	29.4	7.4	31.5	8.7	34.1	6.4	36.8
Coarse silt	Hydrometer	0.0312	5	12.9	29.1	23.0	52.4	18.4	49.9	21.9	56.0	16.1	52.9
Very fine silt	Hydrometer	0.0039	8	50.7	79.8	38.2	90.6	41.4	91.3	36.1	92.1	38.3	91.2
Clay	Hydrometer	<0.0039	--	20.2	100.0	9.4	100.0	8.7	100.0	7.9	100.0	8.8	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA29012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA2901 201333-35		OA2901 201337-39		OA2901 201341-43		OA2901 201345-47		OA2901 201349-51	
Depth Interval				32-36 cm		36-40 cm		40-44 cm		44-48 cm		48-52 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-1	0.0	0.0	1.1	1.1	0.1	0.1	0.1	0.1	0.4	0.4
Very coarse sand	18	1.00	0	3.5	3.5	4.2	5.4	1.0	1.2	0.7	0.9	0.8	1.2
Coarse sand	35	0.50	1	7.3	10.8	9.6	15.0	2.1	3.3	1.4	2.2	2.2	3.4
Medium sand	60	0.25	2	12.2	23.0	8.2	23.2	1.9	5.2	1.2	3.5	2.1	5.5
Fine sand	120	0.125	3	8.7	31.7	1.3	24.5	0.5	5.7	0.4	3.9	0.7	6.1
Very fine sand	200	0.075	3.75	5.9	37.6	8.1	32.6	4.4	10.2	6.7	10.6	11.4	17.5
Very fine sand	230	0.0625	4	5.0	42.6	6.5	39.0	8.2	18.4	7.5	18.2	8.5	26.0
Coarse silt	Hydrometer	0.0312	5	12.6	55.2	16.2	55.3	20.6	38.9	18.8	37.0	21.4	47.4
Very fine silt	Hydrometer	0.0039	8	36.1	91.4	37.2	92.4	53.2	92.1	55.1	92.1	46.2	93.6
Clay	Hydrometer	<0.0039	--	8.6	100.0	7.6	100.0	7.9	100.0	7.9	100.0	6.4	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA29012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA2901 201353-55	
Depth Interval				52-56 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-3.25	0.0	0.0
Small pebble	4	4.75	-2.25	0.0	0.0
Gravel	10	2.00	-1	0.1	0.1
Very coarse sand	18	1.00	0	0.5	0.5
Coarse sand	35	0.50	1	0.5	1.1
Medium sand	60	0.25	2	0.6	1.7
Fine sand	120	0.125	3	0.5	2.1
Very fine sand	200	0.075	3.75	7.8	10.0
Very fine sand	230	0.0625	4	11.6	21.5
Coarse silt	Hydrometer	0.0312	5	28.9	50.5
Very fine silt	Hydrometer	0.0039	8	43.3	93.7
Clay	Hydrometer	<0.0039	--	6.3	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA30012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA3001 201301		OA3001 201303		OA3001 201305		OA3001 201307		OA3001 201309-11	
Depth Interval				0-2 cm		2-4 cm		4-6 cm		6-8 cm		8-12 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-1	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Very coarse sand	18	1.00	0	0.1	0.1	0.0	0.1	0.0	0.0	0.1	0.1	0.1	0.1
Coarse sand	35	0.50	1	0.1	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.2
Medium sand	60	0.25	2	0.1	0.4	0.5	0.7	0.5	0.7	1.0	1.2	0.4	0.6
Fine sand	120	0.125	3	1.7	2.0	1.7	2.3	1.4	2.1	1.8	3.0	3.1	3.7
Very fine sand	200	0.075	3.75	19.1	21.1	21.3	23.6	24.2	26.4	21.9	24.9	27.7	31.4
Very fine sand	230	0.0625	4	8.5	29.6	11.7	35.3	8.7	35.0	10.3	35.2	7.6	39.0
Coarse silt	Hydrometer	0.0312	5	22.4	51.9	27.3	62.6	22.4	57.5	25.7	60.9	20.7	59.6
Very fine silt	Hydrometer	0.0039	8	21.5	73.4	18.7	81.3	22.1	79.5	21.5	82.4	30.5	90.1
Clay	Hydrometer	<0.0039	--	26.6	100.0	18.7	100.0	20.5	100.0	17.6	100.0	9.9	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA30012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA3001 201313-15		OA3001 201317-19		OA3001 201321-23		OA3001 201325-27		OA3001 201329-31	
Depth Interval				12-16 cm		16-20 cm		20-24 cm		24-28 cm		28-32 cm	
USCS Classification ASTM D 2487	Sieve number	Particle Size (mm)	Phi interval	Percent Retained	Cumul. Percent Retained	Percent Retained	Cumul. Percent Retained	Percent Retained	Cumul. Percent Retained	Percent Retained	Cumul. Percent Retained	Percent Retained	Cumul. Percent Retained
Medium pebble	3/8	9.50	-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	2.00	-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	1.00	0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1
Coarse sand	35	0.50	1	0.1	0.2	0.1	0.2	0.1	0.1	0.2	0.2	0.1	0.2
Medium sand	60	0.25	2	0.3	0.5	0.1	0.4	0.3	0.4	0.4	0.6	0.4	0.6
Fine sand	120	0.125	3	4.3	4.8	6.1	6.5	4.9	5.4	4.1	4.8	6.1	6.7
Very fine sand	200	0.075	3.75	29.6	34.4	22.1	28.6	21.8	27.2	12.7	17.5	14.3	21.0
Very fine sand	230	0.0625	4	8.9	43.2	7.5	36.2	12.7	39.9	11.0	28.4	10.3	31.2
Coarse silt	Hydrometer	0.0312	5	24.5	67.7	24.8	61.0	32.9	72.8	33.3	61.7	32.0	63.2
Very fine silt	Hydrometer	0.0039	8	21.8	89.5	26.4	87.4	13.3	86.1	24.4	86.1	21.4	84.6
Clay	Hydrometer	<0.0039	--	10.5	100.0	12.6	100.0	13.9	100.0	13.9	100.0	15.4	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA30012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA3001 201333-35		OA3001 201337-39		OA3001 201341-43		OA3001 201345-47		OA3001 201349-51	
Depth Interval				32-36 cm		36-40 cm		40-44 cm		44-48 cm		48-52 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
Very coarse sand	18	1.00	0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.1
Coarse sand	35	0.50	1	0.1	0.2	0.3	0.4	0.1	0.1	0.1	0.2	0.1	0.2
Medium sand	60	0.25	2	0.4	0.6	2.2	2.6	0.3	0.3	0.1	0.3	0.2	0.4
Fine sand	120	0.125	3	3.0	3.6	4.9	7.5	1.4	1.7	1.1	1.3	1.2	1.5
Very fine sand	200	0.075	3.75	10.7	14.3	10.9	18.4	17.2	18.9	20.0	21.4	14.9	16.4
Very fine sand	230	0.0625	4	9.6	23.8	10.8	29.2	8.7	27.6	8.4	29.8	11.9	28.3
Coarse silt	Hydrometer	0.0312	5	30.9	54.8	30.7	59.9	21.8	49.3	21.5	51.2	29.9	58.2
Very fine silt	Hydrometer	0.0039	8	31.5	86.3	27.2	87.1	39.3	88.7	38.6	89.9	32.0	90.2
Clay	Hydrometer	<0.0039	--	13.7	100.0	12.9	100.0	11.3	100.0	10.1	100.0	9.8	100.0

Notes:

1. Particle 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 - Testing Results for Sediment Core ID OA30012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA3001 201353-55		OA3001 201357-59		OA3001 201361-63		OA3001 201365-67		OA3001 201369	
Depth Interval				52-56 cm		56-60 cm		60-64 cm		64-68 cm		68-69 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Very coarse sand	18	1.00	0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Coarse sand	35	0.50	1	0.1	0.2	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Medium sand	60	0.25	2	0.1	0.2	0.2	0.3	0.1	0.2	0.1	0.2	0.1	0.2
Fine sand	120	0.125	3	0.6	0.8	1.3	1.6	0.5	0.7	0.6	0.8	0.6	0.7
Very fine sand	200	0.075	3.75	20.4	21.2	19.6	21.2	25.4	26.1	20.5	21.3	22.4	23.1
Very fine sand	230	0.0625	4	10.8	32.1	10.4	31.6	9.3	35.4	11.0	32.3	11.9	35.0
Coarse silt	Hydrometer	0.0312	5	27.1	59.2	26.1	57.8	23.2	58.6	27.6	59.9	28.2	63.2
Very fine silt	Hydrometer	0.0039	8	33.0	92.2	33.9	91.7	34.2	92.8	32.7	92.6	23.9	87.1
Clay	Hydrometer	<0.0039	--	7.8	100.0	8.3	100.0	7.2	100.0	7.4	100.0	12.9	100.0

Notes:

1. Particle 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 38 - Testing Results for Sediment Core ID OA31012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA3101 201301		OA3101 201303		OA3101 201305		OA3101 201307		OA3101 201309-11	
Depth Interval				0-2 cm		2-4 cm		4-6 cm		6-8 cm		8-12 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0
Very coarse sand	18	1.00	0	0.1	0.1	0.0	0.0	0.2	0.2	0.1	0.2	0.1	0.1
Coarse sand	35	0.50	1	0.1	0.1	0.0	0.1	0.5	0.6	0.4	0.7	0.1	0.2
Medium sand	60	0.25	2	0.3	0.4	0.4	0.5	0.6	1.3	0.7	1.4	1.4	1.6
Fine sand	120	0.125	3	2.0	2.4	1.6	2.1	2.6	3.9	5.5	6.9	8.7	10.4
Very fine sand	200	0.075	3.75	18.8	21.2	26.0	28.1	26.8	30.7	19.2	26.1	22.0	32.3
Very fine sand	230	0.0625	4	8.3	29.5	10.7	38.8	9.7	40.4	10.0	36.1	7.6	39.9
Coarse silt	Hydrometer	0.0312	5	19.6	49.1	26.4	65.1	23.4	63.9	25.1	61.2	23.4	63.3
Very fine silt	Hydrometer	0.0039	8	15.4	64.5	16.9	82.1	16.5	80.4	19.8	80.9	22.6	85.9
Clay	Hydrometer	<0.0039	--	35.5	100.0	17.9	100.0	19.6	100.0	19.1	100.0	14.1	100.0

Notes:

1. Particle 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 38 - Testing Results for Sediment Core ID OA31012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA3101 201313-15		OA3101 201317-19		OA3101 201321-23		OA3101 201325-27		OA3101 201329-31	
Depth Interval				12-16 cm		16-20 cm		20-24 cm		24-28 cm		28-32 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-1	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
Very coarse sand	18	1.00	0	0.1	0.1	0.2	0.2	0.1	0.2	0.1	0.1	0.0	0.0
Coarse sand	35	0.50	1	0.2	0.2	0.2	0.4	0.2	0.4	0.2	0.3	0.1	0.1
Medium sand	60	0.25	2	0.6	0.9	1.8	2.1	0.6	1.0	0.6	1.0	0.2	0.3
Fine sand	120	0.125	3	5.4	6.3	6.6	8.7	2.7	3.7	4.0	4.9	1.6	2.0
Very fine sand	200	0.075	3.75	11.3	17.6	9.7	18.4	7.0	10.7	9.2	14.1	17.0	19.0
Very fine sand	230	0.0625	4	9.0	26.6	7.2	25.6	4.4	15.2	10.3	24.4	8.4	27.4
Coarse silt	Hydrometer	0.0312	5	29.7	56.3	26.2	51.9	23.7	38.8	29.6	53.9	22.4	49.8
Very fine silt	Hydrometer	0.0039	8	27.6	84.0	25.4	77.3	37.5	76.4	32.8	86.7	38.3	88.1
Clay	Hydrometer	<0.0039	--	16.0	100.0	22.7	100.0	23.6	100.0	13.3	100.0	11.9	100.0

Notes:

1. Particle 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 38 - Testing Results for Sediment Core ID OA31012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA3101 201333-35		OA3101 201337-39		OA3101 201341-43		OA3101 201345-47		OA3101 201349-51	
Depth Interval				32-36 cm		36-40 cm		40-44 cm		44-48 cm		48-52 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-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	1.00	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Coarse sand	35	0.50	1	0.1	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1
Medium sand	60	0.25	2	0.2	0.3	0.1	0.2	0.1	0.2	0.0	0.1	0.1	0.2
Fine sand	120	0.125	3	1.5	1.7	0.6	0.7	0.8	0.9	0.3	0.4	0.5	0.7
Very fine sand	200	0.075	3.75	13.1	14.8	17.1	17.9	13.9	14.9	14.2	14.6	14.0	14.7
Very fine sand	230	0.0625	4	12.1	26.9	9.6	27.5	11.3	26.2	10.0	24.6	9.6	24.3
Coarse silt	Hydrometer	0.0312	5	31.0	57.9	24.1	51.6	28.3	54.4	25.0	49.6	24.0	48.4
Very fine silt	Hydrometer	0.0039	8	31.9	89.8	39.6	91.2	37.5	91.9	42.5	92.1	43.4	91.7
Clay	Hydrometer	<0.0039	--	10.2	100.0	8.8	100.0	8.1	100.0	7.9	100.0	8.3	100.0

Notes:

1. Particle 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 38 - Testing Results for Sediment Core ID OA31012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA3101 201353-55		OA3101 201357-59		OA3101 201361-63		OA3101 201365	
Depth Interval				52-56 cm		56-60 cm		60-64 cm		64-65 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Very coarse sand	18	1.00	0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
Coarse sand	35	0.50	1	0.0	0.1	0.1	0.1	0.0	0.0	0.1	0.1
Medium sand	60	0.25	2	0.0	0.1	0.5	0.6	0.1	0.1	0.1	0.3
Fine sand	120	0.125	3	0.4	0.5	2.4	3.1	0.5	0.6	0.9	1.2
Very fine sand	200	0.075	3.75	18.5	19.0	13.6	16.7	26.5	27.1	17.2	18.4
Very fine sand	230	0.0625	4	8.9	27.9	11.8	28.5	11.5	38.6	13.9	32.3
Coarse silt	Hydrometer	0.0312	5	22.2	50.1	29.6	58.1	28.4	67.0	33.8	66.0
Very fine silt	Hydrometer	0.0039	8	41.0	91.0	34.5	92.5	25.6	92.6	20.9	86.9
Clay	Hydrometer	<0.0039	--	9.0	100.0	7.5	100.0	7.4	100.0	13.1	100.0

Notes:

1. Particle 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 39 - Testing Results for Sediment Core ID OA32012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA3201 201301		OA3201 201303		OA3201 201305		OA3201 201307		OA3201 201309-11	
Depth Interval				0-2 cm		2-4 cm		4-6 cm		6-8 cm		8-12 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-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	1.00	0	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.4	0.2	0.2
Coarse sand	35	0.50	1	0.1	0.2	0.0	0.1	0.2	0.2	0.3	0.7	0.2	0.4
Medium sand	60	0.25	2	0.7	1.0	0.7	0.8	1.5	1.7	1.9	2.6	0.7	1.0
Fine sand	120	0.125	3	1.8	2.8	2.4	3.2	2.9	4.6	3.2	5.8	3.2	4.3
Very fine sand	200	0.075	3.75	21.7	24.5	20.2	23.5	24.8	29.4	18.8	24.6	21.2	25.5
Very fine sand	230	0.0625	4	11.1	35.6	11.5	34.9	9.7	39.0	10.4	35.1	8.9	34.4
Coarse silt	Hydrometer	0.0312	5	25.8	61.4	28.2	63.1	23.9	63.0	26.2	61.3	26.7	61.1
Very fine silt	Hydrometer	0.0039	8	14.2	75.6	18.1	81.2	16.8	79.8	20.2	81.4	24.1	85.1
Clay	Hydrometer	<0.0039	--	24.4	100.0	18.8	100.0	20.2	100.0	18.6	100.0	14.9	100.0

Notes:

1. Particle 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 39 - Testing Results for Sediment Core ID OA32012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA3201 201313-15		OA3201 201317-19		OA3201 201321-23		OA3201 201325-27		OA3201 201329-31	
Depth Interval				12-16 cm		16-20 cm		20-24 cm		24-28 cm		28-32 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-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	1.00	0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1
Coarse sand	35	0.50	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
Medium sand	60	0.25	2	1.0	1.1	0.4	0.5	0.5	0.5	0.2	0.3	0.3	0.5
Fine sand	120	0.125	3	3.0	4.1	1.6	2.1	1.7	2.3	1.0	1.4	1.6	2.1
Very fine sand	200	0.075	3.75	14.9	19.0	20.1	22.2	18.3	20.5	23.5	24.8	19.1	21.2
Very fine sand	230	0.0625	4	9.2	28.2	10.5	32.7	11.2	31.8	10.1	34.9	11.6	32.8
Coarse silt	Hydrometer	0.0312	5	32.1	60.3	28.0	60.8	28.9	60.6	25.2	60.1	29.0	61.8
Very fine silt	Hydrometer	0.0039	8	24.4	84.7	28.0	88.8	28.6	89.2	31.4	91.6	30.2	92.0
Clay	Hydrometer	<0.0039	--	15.3	100.0	11.3	100.0	10.8	100.0	8.4	100.0	8.0	100.0

Notes:

1. Particle 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 39 - Testing Results for Sediment Core ID OA32012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA3201 201333-35		OA3201 201337-39		OA3201 201341-43		OA3201 201345-47		OA3201 201349-51	
Depth Interval				32-36 cm		36-40 cm		40-44 cm		44-48 cm		48-52 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-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	1.00	0	0.1	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
Coarse sand	35	0.50	1	0.1	0.2	0.1	0.1	0.0	0.1	0.0	0.1	0.0	0.1
Medium sand	60	0.25	2	0.1	0.3	0.1	0.2	0.1	0.2	0.1	0.1	0.1	0.2
Fine sand	120	0.125	3	0.6	0.9	0.6	0.8	0.7	0.9	0.6	0.7	0.6	0.8
Very fine sand	200	0.075	3.75	21.5	22.3	19.1	19.9	24.2	25.0	21.3	22.0	27.1	27.9
Very fine sand	230	0.0625	4	9.2	31.5	12.1	32.0	12.1	37.1	13.0	35.0	9.8	37.7
Coarse silt	Hydrometer	0.0312	5	23.0	54.5	30.3	62.3	30.2	67.3	32.5	67.5	24.6	62.3
Very fine silt	Hydrometer	0.0039	8	37.3	91.8	30.6	92.9	24.8	92.2	24.8	92.3	29.2	91.6
Clay	Hydrometer	<0.0039	--	8.2	100.0	7.1	100.0	7.8	100.0	7.7	100.0	8.4	100.0

Notes:

1. Particle 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 40 - Testing Results for Sediment Core ID OA33012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA3301 201301		OA3301 201303		OA3301 201305		OA3301 201307		OA3301 201309-11	
Depth Interval				0-2 cm		2-4 cm		4-6 cm		6-8 cm		8-12 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-1	2.0	2.0	1.4	1.4	0.3	0.3	0.4	0.4	0.3	0.3
Very coarse sand	18	1.00	0	2.6	4.6	1.5	2.9	1.1	1.4	0.9	1.3	0.4	0.7
Coarse sand	35	0.50	1	3.5	8.1	2.6	5.5	2.0	3.4	1.7	2.9	1.0	1.7
Medium sand	60	0.25	2	4.1	12.2	3.1	8.7	2.6	6.0	3.1	6.0	1.2	3.0
Fine sand	120	0.125	3	4.0	16.2	3.0	11.6	2.4	8.4	2.6	8.6	1.6	4.5
Very fine sand	200	0.075	3.75	33.4	49.6	32.2	43.8	25.1	33.5	28.4	37.1	35.9	40.4
Very fine sand	230	0.0625	4	7.7	57.3	9.8	53.6	11.4	44.8	13.9	51.0	8.4	48.9
Coarse silt	Hydrometer	0.0312	5	17.9	75.2	22.1	75.7	26.1	71.0	31.3	82.4	21.6	70.4
Very fine silt	Hydrometer	0.0039	8	10.6	85.8	10.7	86.4	13.8	84.8	9.8	92.1	21.7	92.1
Clay	Hydrometer	<0.0039	--	14.2	100.0	13.6	100.0	15.2	100.0	7.9	100.0	7.9	100.0

Notes:

1. Particle 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 40 - Testing Results for Sediment Core ID OA33012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA3301 201313-15		OA3301 201317-19		OA3301 201321-23		OA3301 201325-27		OA3301 201329	
Depth Interval				12-16 cm		16-20 cm		20-24 cm		24-28 cm		28-29 cm	
USCS Classification ASTM D 2487	Sieve number	Particle Size (mm)	Phi interval	Percent Retained	Cumul. Percent Retained	Percent Retained	Cumul. Percent Retained	Percent Retained	Cumul. Percent Retained	Percent Retained	Cumul. Percent Retained	Percent Retained	Cumul. Percent Retained
Medium pebble	3/8	9.50	-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	2.00	-1	0.1	0.1	0.3	0.3	0.2	0.2	0.1	0.1	0.0	0.0
Very coarse sand	18	1.00	0	0.3	0.4	0.3	0.6	0.3	0.4	0.2	0.3	0.1	0.1
Coarse sand	35	0.50	1	0.7	1.1	0.4	1.0	0.3	0.7	0.3	0.6	0.1	0.3
Medium sand	60	0.25	2	0.9	2.0	0.6	1.6	0.4	1.1	0.4	1.0	0.2	0.5
Fine sand	120	0.125	3	1.3	3.3	1.0	2.7	0.9	2.0	0.9	1.9	0.9	1.4
Very fine sand	200	0.075	3.75	28.5	31.8	33.6	36.2	28.7	30.7	33.2	35.1	20.7	22.1
Very fine sand	230	0.0625	4	14.6	46.4	9.9	46.1	11.6	42.4	8.7	43.8	13.9	36.0
Coarse silt	Hydrometer	0.0312	5	33.4	79.8	24.9	71.0	29.0	71.3	21.8	65.6	33.4	69.4
Very fine silt	Hydrometer	0.0039	8	12.6	92.3	22.0	93.0	21.5	92.9	27.9	93.5	17.9	87.3
Clay	Hydrometer	<0.0039	--	7.7	100.0	7.0	100.0	7.1	100.0	6.5	100.0	12.7	100.0

Notes:

1. Particle 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 41 - Testing Results for Sediment Core ID OA34012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA3401 201301		OA3401 201303		OA3401 201305		OA3401 201307		OA3401 201309-11	
Depth Interval				0-2 cm		2-4 cm		4-6 cm		6-8 cm		8-12 cm	
USCS Classification ASTM D 2487	Sieve number	Particle Size (mm)	Phi interval	Percent Retained	Cumul. Percent Retained	Percent Retained	Cumul. Percent Retained	Percent Retained	Cumul. Percent Retained	Percent Retained	Cumul. Percent Retained	Percent Retained	Cumul. Percent Retained
Medium pebble	3/8	9.50	-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	2.00	-1	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Very coarse sand	18	1.00	0	0.1	0.6	0.2	0.2	0.0	0.0	0.0	0.1	0.1	0.1
Coarse sand	35	0.50	1	0.2	0.7	0.2	0.4	0.1	0.1	0.1	0.1	0.1	0.1
Medium sand	60	0.25	2	0.9	1.6	0.6	0.9	0.5	0.7	0.9	1.0	0.2	0.4
Fine sand	120	0.125	3	2.0	3.7	2.6	3.5	1.5	2.2	2.2	3.2	1.2	1.6
Very fine sand	200	0.075	3.75	29.2	32.8	17.6	21.1	18.5	20.7	15.8	19.0	28.1	29.8
Very fine sand	230	0.0625	4	12.1	44.9	10.8	31.9	11.8	32.4	9.4	28.4	7.7	37.5
Coarse silt	Hydrometer	0.0312	5	26.5	71.4	25.6	57.5	25.6	58.1	24.5	52.9	19.3	56.8
Very fine silt	Hydrometer	0.0039	8	11.1	82.5	19.4	76.9	18.3	76.3	25.4	78.3	33.4	90.2
Clay	Hydrometer	<0.0039	--	17.5	100.0	23.1	100.0	23.7	100.0	21.7	100.0	9.8	100.0

Notes:

1. Particle 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 41 - Testing Results for Sediment Core ID OA34012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA3401 201313-15		OA3401 201317-19		OA3401 201321-23		OA3401 201325-27		OA3401 201329-31	
Depth Interval				12-16 cm		16-20 cm		20-24 cm		24-28 cm		28-32 cm	
USCS Classification ASTM D 2487	Sieve number	Particle Size (mm)	Phi interval	Percent Retained	Cumul. Percent Retained	Percent Retained	Cumul. Percent Retained	Percent Retained	Cumul. Percent Retained	Percent Retained	Cumul. Percent Retained	Percent Retained	Cumul. Percent Retained
Medium pebble	3/8	9.50	-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	2.00	-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	1.00	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
Coarse sand	35	0.50	1	0.0	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.1
Medium sand	60	0.25	2	0.2	0.2	0.2	0.2	0.1	0.2	0.1	0.1	0.1	0.2
Fine sand	120	0.125	3	0.7	1.0	0.9	1.1	0.7	0.9	1.0	1.1	0.8	1.0
Very fine sand	200	0.075	3.75	23.3	24.3	25.0	26.1	30.1	31.0	31.4	32.5	36.6	37.7
Very fine sand	230	0.0625	4	9.4	33.7	10.2	36.3	8.9	39.9	9.4	42.0	10.2	47.9
Coarse silt	Hydrometer	0.0312	5	23.6	57.3	25.5	61.7	22.3	62.1	23.6	65.6	25.6	73.5
Very fine silt	Hydrometer	0.0039	8	34.7	92.0	28.7	90.4	29.7	91.9	25.9	91.5	18.7	92.2
Clay	Hydrometer	<0.0039	--	8.0	100.0	9.6	100.0	8.1	100.0	8.5	100.0	7.8	100.0

Notes:

1. Particle 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 41 - Testing Results for Sediment Core ID OA34012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA3401 201333-35	
Depth Interval				32-36 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-3.25	0.0	0.0
Small pebble	4	4.75	-2.25	0.0	0.0
Gravel	10	2.00	-1	0.0	0.0
Very coarse sand	18	1.00	0	0.1	0.1
Coarse sand	35	0.50	1	0.1	0.2
Medium sand	60	0.25	2	0.1	0.3
Fine sand	120	0.125	3	0.9	1.2
Very fine sand	200	0.075	3.75	31.1	32.2
Very fine sand	230	0.0625	4	10.8	43.0
Coarse silt	Hydrometer	0.0312	5	27.1	70.1
Very fine silt	Hydrometer	0.0039	8	18.9	89.0
Clay	Hydrometer	<0.0039	--	11.0	100.0

Notes:

1. Particle 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 42 - Testing Results for Sediment Core ID OA35012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA3501 201301		OA3501 201303		OA3501 201305		OA3501 201307		OA3501 201309-11	
Depth Interval				0-2 cm		2-4 cm		4-6 cm		6-8 cm		8-12 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
Very coarse sand	18	1.00	0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1
Coarse sand	35	0.50	1	0.1	0.2	0.1	0.2	0.2	0.2	0.1	0.2	0.1	0.2
Medium sand	60	0.25	2	0.4	0.6	3.3	3.5	1.6	1.8	1.9	2.1	0.4	0.5
Fine sand	120	0.125	3	3.1	3.7	5.0	8.5	3.8	5.6	3.8	5.9	1.8	2.3
Very fine sand	200	0.075	3.75	23.3	27.1	17.7	26.2	18.4	24.0	22.4	28.3	22.6	24.9
Very fine sand	230	0.0625	4	4.2	31.2	6.6	32.9	6.3	30.2	5.6	33.9	10.7	35.6
Coarse silt	Hydrometer	0.0312	5	13.4	44.6	18.5	51.4	18.2	48.4	16.2	50.1	27.4	63.0
Very fine silt	Hydrometer	0.0039	8	23.6	68.3	23.3	74.7	27.0	75.4	26.7	76.9	26.3	89.2
Clay	Hydrometer	<0.0039	--	31.7	100.0	25.3	100.0	24.6	100.0	23.1	100.0	10.8	100.0

Notes:

1. Particle 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 42 - Testing Results for Sediment Core ID OA35012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA3501 201313-15		OA3501 201317-19		OA3501 201321-23		OA3501 201325-27		OA3501 201329-31	
Depth Interval				12-16 cm		16-20 cm		20-24 cm		24-28 cm		28-32 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-1	0.7	0.7	1.2	1.2	0.1	0.1	0.1	0.1	0.0	0.0
Very coarse sand	18	1.00	0	0.1	0.8	0.2	1.4	0.1	0.2	0.0	0.1	0.2	0.2
Coarse sand	35	0.50	1	0.1	0.9	0.1	1.5	0.1	0.3	0.1	0.2	0.1	0.2
Medium sand	60	0.25	2	0.2	1.1	0.2	1.8	0.2	0.5	0.1	0.3	0.1	0.4
Fine sand	120	0.125	3	1.0	2.1	1.0	2.7	0.8	1.3	0.8	1.1	0.7	1.1
Very fine sand	200	0.075	3.75	29.2	31.4	25.6	28.3	29.5	30.8	22.1	23.2	20.9	22.0
Very fine sand	230	0.0625	4	7.8	39.2	8.9	37.2	7.4	38.2	8.4	31.6	7.7	29.6
Coarse silt	Hydrometer	0.0312	5	19.5	58.7	22.2	59.4	18.5	56.7	20.9	52.5	19.2	48.8
Very fine silt	Hydrometer	0.0039	8	33.2	91.9	33.1	92.5	35.5	92.2	38.5	90.9	43.2	92.0
Clay	Hydrometer	<0.0039	--	8.1	100.0	7.5	100.0	7.8	100.0	9.1	100.0	8.0	100.0

Notes:

1. Particle 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 42 - Testing Results for Sediment Core ID OA35012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA3501 201333-35		OA3501 201337-39		OA3501 201341-43		OA3501 201345-47		OA3501 201349-51	
Depth Interval				32-36 cm		36-40 cm		40-44 cm		44-48 cm		48-52 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-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	2.00	-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	1.00	0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0
Coarse sand	35	0.50	1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.1
Medium sand	60	0.25	2	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.2	0.1	0.1
Fine sand	120	0.125	3	0.2	0.2	0.1	0.2	0.1	0.2	0.3	0.6	0.4	0.5
Very fine sand	200	0.075	3.75	4.6	4.8	2.2	2.3	4.6	4.8	10.8	11.4	7.1	7.6
Very fine sand	230	0.0625	4	7.8	12.7	8.6	10.9	8.3	13.0	9.0	20.3	9.1	16.7
Coarse silt	Hydrometer	0.0312	5	19.6	32.3	21.5	32.4	20.7	33.7	22.4	42.8	22.9	39.6
Very fine silt	Hydrometer	0.0039	8	56.2	88.5	57.2	89.6	54.8	88.5	49.7	92.5	51.7	91.3
Clay	Hydrometer	<0.0039	--	11.5	100.0	10.4	100.0	11.5	100.0	7.5	100.0	8.7	100.0

Notes:

1. Particle 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 42 - Testing Results for Sediment Core ID OA35012013 - Particle Size
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Sample ID				OA3501 201353-55	
Depth Interval				52-56 cm	
<i>USCS Classification ASTM D 2487</i>	<i>Sieve number</i>	<i>Particle Size (mm)</i>	<i>Phi interval</i>	<i>Percent Retained</i>	<i>Cumul. Percent Retained</i>
Medium pebble	3/8	9.50	-3.25	0.0	0.0
Small pebble	4	4.75	-2.25	0.0	0.0
Gravel	10	2.00	-1	0.0	0.0
Very coarse sand	18	1.00	0	0.0	0.0
Coarse sand	35	0.50	1	0.0	0.1
Medium sand	60	0.25	2	0.1	0.1
Fine sand	120	0.125	3	0.5	0.6
Very fine sand	200	0.075	3.75	6.3	6.9
Very fine sand	230	0.0625	4	9.2	16.1
Coarse silt	Hydrometer	0.0312	5	23.0	39.1
Very fine silt	Hydrometer	0.0039	8	53.5	92.5
Clay	Hydrometer	<0.0039	--	7.5	100.0

Notes:

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