

**APPENDIX I**  
**BULK DENSITY, MOISTURE CONTENT, AND SPECIFIC GRAVITY**  
**RESULTS – OUTFALL AREA**

**Table 1 - Testing Results for Sediment Core ID OA01012013 - Bulk Density, Moisture Content, and Specific Gravity**  
**First MNR Report**  
**Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)**  
**Los Angeles County, California**

| <b>Sample ID</b> | <b>Representative depth interval in sediment bed (cm)</b> | <b>Bulk density (dry) (g/cm3)</b> | <b>Bulk density (wet)<sup>1</sup> (g/cm3)</b> | <b>Moisture Content<sup>2</sup> (percent)</b> | <b>Specific gravity<sup>3</sup></b> |
|------------------|-----------------------------------------------------------|-----------------------------------|-----------------------------------------------|-----------------------------------------------|-------------------------------------|
| OA0101201301     | 0-2                                                       | 0.68                              | 1.32                                          | 94.3                                          | 2.44                                |
| OA0101201303     | 2-4                                                       | 0.91                              | 1.48                                          | 62.7                                          | 2.78                                |
| OA0101201305     | 4-6                                                       | 0.88                              | 1.49                                          | 69.8                                          | 2.68                                |
| OA0101201307     | 6-8                                                       | 0.89                              | 1.50                                          | 68.2                                          | 2.60                                |
| OA0101201309-11  | 8-12                                                      | 0.74                              | 1.37                                          | 86.2                                          | 2.58                                |
| OA0101201313-15  | 12-16                                                     | 0.51                              | 1.20                                          | 135.0                                         | 2.48                                |
| OA0101201317-19  | 16-20                                                     | 0.52                              | 1.18                                          | 128.8                                         | 2.56                                |
| OA0101201321-23  | 20-24                                                     | 0.45                              | 1.19                                          | 162.2                                         | 2.49                                |
| OA0101201325-27  | 24-28                                                     | 0.45                              | 1.23                                          | 173.6                                         | 2.53                                |
| OA0101201329-31  | 28-32                                                     | 0.78                              | 1.37                                          | 75.1                                          | 2.63                                |
| OA0101201333-35  | 32-36                                                     | 0.95                              | 1.59                                          | 68.1                                          | 2.69                                |
| OA0101201337-39  | 36-40                                                     | 1.24                              | 1.72                                          | 38.4                                          | 2.72                                |
| OA0101201341-43  | 40-44                                                     | 1.23                              | 1.71                                          | 38.6                                          | 2.74                                |
| OA0101201345-47  | 44-48                                                     | 1.29                              | 1.79                                          | 38.7                                          | 2.78                                |
| OA0101201349-51  | 48-52                                                     | 1.34                              | 1.81                                          | 35.2                                          | 2.74                                |

Abbreviations

cm - Centimeter

g - Grams

Footnotes

<sup>1</sup> Per ASTM D7263-09, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>2</sup> Per ASTM D2216-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>3</sup> Per ASTM D854-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

**Table 2 - Testing Results for Sediment Core ID OA02012013 - Bulk Density, Moisture Content, and Specific Gravity**  
**First MNR Report**  
**Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)**  
**Los Angeles County, California**

| <b>Sample ID</b> | <b>Representative depth interval in sediment bed (cm)</b> | <b>Bulk density (dry) (g/cm<sup>3</sup>)</b> | <b>Bulk density (wet)<sup>1</sup> (g/cm<sup>3</sup>)</b> | <b>Moisture Content<sup>2</sup> (percent)</b> | <b>Specific gravity<sup>3</sup></b> |
|------------------|-----------------------------------------------------------|----------------------------------------------|----------------------------------------------------------|-----------------------------------------------|-------------------------------------|
| OA0201201301     | 0-2                                                       | 0.93                                         | 1.64                                                     | 76.3                                          | 2.66                                |
| OA0201201303     | 2-4                                                       | 0.89                                         | 1.49                                                     | 66.7                                          | 2.74                                |
| OA0201201305     | 4-6                                                       | 0.94                                         | 1.49                                                     | 59.8                                          | 2.71                                |
| OA0201201307     | 6-8                                                       | 0.98                                         | 1.54                                                     | 57.6                                          | 2.66                                |
| OA0201201309-11  | 8-12                                                      | 1.08                                         | 1.62                                                     | 50.0                                          | 2.71                                |
| OA0201201313-15  | 12-16                                                     | 0.99                                         | 1.60                                                     | 62.0                                          | 2.54                                |
| OA0201201317-19  | 16-20                                                     | 0.89                                         | 1.46                                                     | 64.1                                          | 2.67                                |
| OA0201201321-23  | 20-24                                                     | 0.94                                         | 1.50                                                     | 60.2                                          | 2.65                                |
| OA0201201325-27  | 24-28                                                     | 0.84                                         | 1.45                                                     | 72.7                                          | 2.65                                |
| OA0201201329-31  | 28-32                                                     | 0.80                                         | 1.38                                                     | 71.9                                          | 2.63                                |
| OA0201201333-35  | 32-36                                                     | 0.78                                         | 1.39                                                     | 78.2                                          | 2.61                                |
| OA0201201337-39  | 36-40                                                     | 0.76                                         | 1.37                                                     | 79.0                                          | 2.61                                |
| OA0201201341-43  | 40-44                                                     | 0.71                                         | 1.35                                                     | 90.1                                          | 2.53                                |
| OA0201201345-47  | 44-48                                                     | 0.60                                         | 1.25                                                     | 107.4                                         | 2.48                                |
| OA0201201349-51  | 48-52                                                     | 0.77                                         | 1.43                                                     | 85.8                                          | 2.46                                |
| OA0201201353-55  | 52-56                                                     | 0.84                                         | 1.48                                                     | 75.4                                          | 2.50                                |
| OA0201201357-59  | 56-60                                                     | 1.08                                         | 1.66                                                     | 53.2                                          | 2.65                                |
| OA0201201361-63  | 60-64                                                     | 1.14                                         | 1.72                                                     | 51.2                                          | 2.71                                |
| OA0201201365-67  | 64-68                                                     | 1.15                                         | 1.64                                                     | 43.0                                          | 2.71                                |
| OA0201201369-71  | 68-72                                                     | 1.18                                         | 1.68                                                     | 42.8                                          | 2.72                                |
| OA0201201373-75  | 72-76                                                     | 1.22                                         | 1.72                                                     | 41.3                                          | 2.75                                |
| OA0201201377     | 76-78                                                     | 1.28                                         | 1.77                                                     | 38.7                                          | 2.74                                |

**Abbreviations**

cm - Centimeter

g - Grams

**Footnotes**

<sup>1</sup> Per ASTM D7263-09, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>2</sup> Per ASTM D2216-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>3</sup> Per ASTM D854-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

**Table 3 - Testing Results for Sediment Core ID OA03012013 - Bulk Density, Moisture Content, and Specific Gravity**  
**First MNR Report**  
**Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)**  
**Los Angeles County, California**

| <b>Sample ID</b> | <b>Representative depth interval in sediment bed (cm)</b> | <b>Bulk density (dry) (g/cm<sup>3</sup>)</b> | <b>Bulk density (wet)<sup>1</sup> (g/cm<sup>3</sup>)</b> | <b>Moisture Content<sup>2</sup> (percent)</b> | <b>Specific gravity<sup>3</sup></b> |
|------------------|-----------------------------------------------------------|----------------------------------------------|----------------------------------------------------------|-----------------------------------------------|-------------------------------------|
| OA0301201301     | 0-2                                                       | 0.63                                         | 1.37                                                     | 116.9                                         | 2.80                                |
| OA0301201303     | 2-4                                                       | 0.73                                         | 1.41                                                     | 92.0                                          | 2.68                                |
| OA0301201305     | 4-6                                                       | 0.70                                         | 1.37                                                     | 96.1                                          | 2.57                                |
| OA0301201307     | 6-8                                                       | 0.69                                         | 1.34                                                     | 94.2                                          | 2.64                                |
| OA0301201309-11  | 8-12                                                      | 0.69                                         | 1.35                                                     | 94.4                                          | 2.50                                |
| OA0301201313-15  | 12-16                                                     | 0.52                                         | 1.25                                                     | 139.6                                         | 2.53                                |
| OA0301201317-19  | 16-20                                                     | 0.42                                         | 1.17                                                     | 175.9                                         | 2.44                                |
| OA0301201321-23  | 20-24                                                     | 0.45                                         | 1.19                                                     | 166.5                                         | 2.36                                |
| OA0301201325-27  | 24-28                                                     | 0.59                                         | 1.23                                                     | 108.8                                         | 2.45                                |
| OA0301201329-31  | 28-32                                                     | 0.69                                         | 1.30                                                     | 87.4                                          | 2.62                                |
| OA0301201333-35  | 32-36                                                     | 0.99                                         | 1.62                                                     | 64.0                                          | 2.69                                |
| OA0301201337-39  | 36-40                                                     | 1.14                                         | 1.68                                                     | 47.2                                          | 2.69                                |
| OA0301201341-43  | 40-44                                                     | 1.18                                         | 1.68                                                     | 42.5                                          | 2.72                                |
| OA0301201345-47  | 44-48                                                     | 1.20                                         | 1.69                                                     | 40.7                                          | 2.67                                |
| OA0301201349-51  | 48-52                                                     | 1.24                                         | 1.72                                                     | 39.0                                          | 2.66                                |
| OA0301201353-55  | 52-56                                                     | 1.24                                         | 1.73                                                     | 39.2                                          | 2.67                                |
| OA0301201357-59  | 56-60                                                     | 1.24                                         | 1.73                                                     | 38.7                                          | 2.69                                |

Abbreviations

cm - Centimeter

g - Grams

Footnotes

<sup>1</sup> Per ASTM D7263-09, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>2</sup> Per ASTM D2216-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>3</sup> Per ASTM D854-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

**Table 4 - Testing Results for Sediment Core ID OA04012013 - Bulk Density, Moisture Content, and Specific Gravity**  
**First MNR Report**  
**Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)**  
**Los Angeles County, California**

| <b>Sample ID</b> | <b>Representative depth interval in sediment bed (cm)</b> | <b>Bulk density (dry) (g/cm<sup>3</sup>)</b> | <b>Bulk density (wet)<sup>1</sup> (g/cm<sup>3</sup>)</b> | <b>Moisture Content<sup>2</sup> (percent)</b> | <b>Specific gravity<sup>3</sup></b> |
|------------------|-----------------------------------------------------------|----------------------------------------------|----------------------------------------------------------|-----------------------------------------------|-------------------------------------|
| OA0401201301     | 0-2                                                       | 0.50                                         | 1.21                                                     | 143.8                                         | 2.55                                |
| OA0401201303     | 2-4                                                       | 0.72                                         | 1.36                                                     | 87.9                                          | 2.60                                |
| OA0401201305     | 4-6                                                       | 0.77                                         | 1.40                                                     | 81.6                                          | 2.66                                |
| OA0401201307     | 6-8                                                       | 0.72                                         | 1.40                                                     | 95.2                                          | 2.53                                |
| OA0401201309-11  | 8-12                                                      | 0.63                                         | 1.32                                                     | 109.6                                         | 2.57                                |
| OA0401201313-15  | 12-16                                                     | 0.53                                         | 1.15                                                     | 119.8                                         | 2.52                                |
| OA0401201317-19  | 16-20                                                     | 0.41                                         | 1.16                                                     | 182.2                                         | 2.40                                |
| OA0401201321-23  | 20-24                                                     | 0.44                                         | 1.16                                                     | 164.1                                         | 2.40                                |
| OA0401201325-27  | 24-28                                                     | 0.66                                         | 1.39                                                     | 112.2                                         | 2.59                                |
| OA0401201329-31  | 28-32                                                     | 0.92                                         | 1.50                                                     | 62.5                                          | 2.71                                |
| OA0401201333-35  | 32-36                                                     | 1.08                                         | 1.58                                                     | 46.4                                          | 2.66                                |
| OA0401201337-39  | 36-40                                                     | 1.14                                         | 1.65                                                     | 43.9                                          | 2.78                                |
| OA0401201341-43  | 40-44                                                     | 1.23                                         | 1.71                                                     | 39.7                                          | 2.74                                |
| OA0401201345-47  | 44-48                                                     | 1.12                                         | 1.57                                                     | 41.0                                          | 2.72                                |
| OA0401201349-51  | 48-52                                                     | 1.24                                         | 1.73                                                     | 39.7                                          | 2.75                                |
| OA0401201353-55  | 52-56                                                     | 1.22                                         | 1.71                                                     | 40.8                                          | 2.74                                |

**Abbreviations**

cm - Centimeter

g - Grams

**Footnotes**

<sup>1</sup> Per ASTM D7263-09, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>2</sup> Per ASTM D2216-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>3</sup> Per ASTM D854-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

**Table 5 - Testing Results for Sediment Core ID OA05012013 - Bulk Density, Moisture Content, and Specific Gravity**  
**First MNR Report**  
**Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)**  
**Los Angeles County, California**

| <b>Sample ID</b> | <b>Representative depth interval in sediment bed (cm)</b> | <b>Bulk density (dry) (g/cm<sup>3</sup>)</b> | <b>Bulk density (wet)<sup>1</sup> (g/cm<sup>3</sup>)</b> | <b>Moisture Content<sup>2</sup> (percent)</b> | <b>Specific gravity<sup>3</sup></b> |
|------------------|-----------------------------------------------------------|----------------------------------------------|----------------------------------------------------------|-----------------------------------------------|-------------------------------------|
| OA0501201301     | 0-2                                                       | 0.60                                         | 1.30                                                     | 117.9                                         | 2.60                                |
| OA0501201303     | 2-4                                                       | 0.73                                         | 1.38                                                     | 88.6                                          | 2.65                                |
| OA0501201305     | 4-6                                                       | 0.84                                         | 1.45                                                     | 72.2                                          | 2.69                                |
| OA0501201307     | 6-8                                                       | 0.81                                         | 1.43                                                     | 76.3                                          | 2.69                                |
| OA0501201309-11  | 8-12                                                      | 0.73                                         | 1.39                                                     | 89.5                                          | 2.64                                |
| OA0501201313-15  | 12-16                                                     | 0.70                                         | 1.34                                                     | 91.5                                          | 2.67                                |
| OA0501201317-19  | 16-20                                                     | 0.59                                         | 1.26                                                     | 113.0                                         | 2.59                                |
| OA0501201321-23  | 20-24                                                     | 0.51                                         | 1.22                                                     | 136.5                                         | 2.57                                |
| OA0501201325-27  | 24-28                                                     | 0.47                                         | 1.18                                                     | 149.5                                         | 2.41                                |
| OA0501201329-31  | 28-32                                                     | 0.51                                         | 1.21                                                     | 137.4                                         | 2.49                                |
| OA0501201333-35  | 32-36                                                     | 0.52                                         | 1.22                                                     | 134.7                                         | 2.45                                |
| OA0501201337-39  | 36-40                                                     | 0.51                                         | 1.24                                                     | 141.8                                         | 2.47                                |
| OA0501201341-43  | 40-44                                                     | 0.47                                         | 1.29                                                     | 172.7                                         | 2.51                                |
| OA0501201345-47  | 44-48                                                     | 0.52                                         | 1.28                                                     | 145.2                                         | 2.44                                |
| OA0501201349-51  | 48-52                                                     | 0.46                                         | 1.20                                                     | 160.7                                         | 2.41                                |
| OA0501201353-55  | 52-56                                                     | 0.66                                         | 1.33                                                     | 100.6                                         | 2.66                                |
| OA0501201357-59  | 56-60                                                     | 0.81                                         | 1.41                                                     | 74.5                                          | 2.69                                |
| OA0501201361-63  | 60-64                                                     | 0.99                                         | 1.59                                                     | 61.4                                          | 2.73                                |
| OA0501201365-67  | 64-68                                                     | 0.95                                         | 1.54                                                     | 61.5                                          | 2.42                                |
| OA0501201369-71  | 68-72                                                     | 1.19                                         | 1.69                                                     | 42.2                                          | 2.71                                |
| OA0501201373-75  | 72-76                                                     | 1.19                                         | 1.66                                                     | 40.2                                          | 2.76                                |
| OA0501201377-79  | 76-80                                                     | 1.19                                         | 1.65                                                     | 38.7                                          | 2.75                                |
| OA0501201381-83  | 80-84                                                     | 1.19                                         | 1.67                                                     | 41.2                                          | 2.73                                |

Abbreviations

cm - Centimeter  
g - Grams

Footnotes

<sup>1</sup> Per ASTM D7263-09, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>2</sup> Per ASTM D2216-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>3</sup> Per ASTM D854-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

**Table 6 - Testing Results for Sediment Core ID OA05022013 - Bulk Density, Moisture Content, and Specific Gravity**  
**First MNR Report**  
**Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)**  
**Los Angeles County, California**

| <b>Sample ID</b> | <b>Representative depth interval in sediment bed (cm)</b> | <b>Bulk density (dry) (g/cm<sup>3</sup>)</b> | <b>Bulk density (wet)<sup>1</sup> (g/cm<sup>3</sup>)</b> | <b>Moisture Content<sup>2</sup> (percent)</b> | <b>Specific gravity<sup>3</sup></b> |
|------------------|-----------------------------------------------------------|----------------------------------------------|----------------------------------------------------------|-----------------------------------------------|-------------------------------------|
| OA0502201301     | 0-2                                                       | 0.57                                         | 1.25                                                     | 118.6                                         | 2.67                                |
| OA0502201303     | 2-4                                                       | 0.71                                         | 1.37                                                     | 92.2                                          | 2.83                                |
| OA0502201305     | 4-6                                                       | 0.78                                         | 1.36                                                     | 74.4                                          | 2.63                                |
| OA0502201307     | 6-8                                                       | 0.85                                         | 1.43                                                     | 68.0                                          | 2.58                                |
| OA0502201309-11  | 8-12                                                      | 0.80                                         | 1.41                                                     | 76.6                                          | 2.63                                |
| OA0502201313-15  | 12-16                                                     | 0.75                                         | 1.35                                                     | 80.8                                          | 2.59                                |
| OA0502201317-19  | 16-20                                                     | 0.63                                         | 1.31                                                     | 106.2                                         | 2.58                                |
| OA0502201321-23  | 20-24                                                     | 0.58                                         | 1.27                                                     | 118.8                                         | 2.53                                |
| OA0502201325-27  | 24-28                                                     | 0.48                                         | 1.18                                                     | 148.1                                         | 2.54                                |
| OA0502201329-31  | 28-32                                                     | 0.52                                         | 1.11                                                     | 114.8                                         | 2.49                                |
| OA0502201331-35  | 32-36                                                     | 0.43                                         | 1.15                                                     | 170.3                                         | 2.50                                |
| OA0502201337-39  | 36-40                                                     | 0.42                                         | 1.16                                                     | 177.6                                         | 2.32                                |
| OA0502201341-43  | 40-44                                                     | 0.36                                         | 1.09                                                     | 203.3                                         | 2.31                                |
| OA0502201345-47  | 44-48                                                     | 0.52                                         | 1.25                                                     | 141.1                                         | 2.52                                |
| OA0502201349-51  | 48-52                                                     | 0.48                                         | 1.20                                                     | 150.9                                         | 2.51                                |
| OA0502201353-55  | 52-56                                                     | 0.50                                         | 1.22                                                     | 141.5                                         | 2.53                                |
| OA0502201357-59  | 56-60                                                     | 0.66                                         | 1.35                                                     | 104.5                                         | 2.70                                |
| OA0502201361-63  | 60-64                                                     | 1.01                                         | 1.58                                                     | 55.9                                          | 2.69                                |
| OA0502201365-67  | 64-68                                                     | 1.10                                         | 1.61                                                     | 46.2                                          | 2.73                                |
| OA0502201369-71  | 68-72                                                     | 1.04                                         | 1.57                                                     | 50.8                                          | 2.68                                |
| OA0502201373-75  | 72-76                                                     | 1.14                                         | 1.63                                                     | 43.3                                          | 2.72                                |
| OA0502201377-79  | 76-80                                                     | 1.19                                         | 1.67                                                     | 40.1                                          | 2.74                                |
| OA0502201381-83  | 80-84                                                     | 1.33                                         | 1.81                                                     | 35.7                                          | 2.75                                |
| OA0502201385     | 84-46                                                     | 1.21                                         | 1.69                                                     | 39.5                                          | 2.70                                |

Abbreviations

cm - Centimeter

g - Grams

Footnotes

<sup>1</sup> Per ASTM D7263-09, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>2</sup> Per ASTM D2216-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>3</sup> Per ASTM D854-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

**Table 7 - Testing Results for Sediment Core ID OA06012013 - Bulk Density, Moisture Content, and Specific Gravity**  
**First MNR Report**  
**Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)**  
**Los Angeles County, California**

| <b>Sample ID</b> | <b>Representative depth interval in sediment bed (cm)</b> | <b>Bulk density (dry) (g/cm<sup>3</sup>)</b> | <b>Bulk density (wet)<sup>1</sup> (g/cm<sup>3</sup>)</b> | <b>Moisture Content<sup>2</sup> (percent)</b> | <b>Specific gravity<sup>3</sup></b> |
|------------------|-----------------------------------------------------------|----------------------------------------------|----------------------------------------------------------|-----------------------------------------------|-------------------------------------|
| OA0601201301     | 0-2                                                       | 0.62                                         | 1.36                                                     | 118.5                                         | 2.57                                |
| OA0601201303     | 2-4                                                       | 0.74                                         | 1.36                                                     | 82.7                                          | 2.67                                |
| OA0601201305     | 4-6                                                       | 0.85                                         | 1.47                                                     | 72.1                                          | 2.64                                |
| OA0601201307     | 6-8                                                       | 0.89                                         | 1.49                                                     | 67.1                                          | 2.62                                |
| OA0601201309-11  | 8-12                                                      | 0.88                                         | 1.46                                                     | 64.7                                          | 2.67                                |
| OA0601201313-15  | 12-16                                                     | 0.86                                         | 1.47                                                     | 70.1                                          | 2.69                                |
| OA0601201317-19  | 16-20                                                     | 0.84                                         | 1.47                                                     | 74.4                                          | 2.62                                |
| OA0601201321-23  | 20-24                                                     | 0.78                                         | 1.37                                                     | 76.0                                          | 2.68                                |
| OA0601201325-27  | 24-28                                                     | 0.78                                         | 1.43                                                     | 82.1                                          | 2.65                                |
| OA0601201329-31  | 28-32                                                     | 0.70                                         | 1.32                                                     | 89.3                                          | 2.62                                |
| OA0601201333-35  | 32-36                                                     | 0.65                                         | 1.31                                                     | 102.0                                         | 2.61                                |
| OA0601201337-39  | 32-40                                                     | 0.49                                         | 1.23                                                     | 151.0                                         | 2.62                                |
| OA0601201341-43  | 40-44                                                     | 0.54                                         | 1.26                                                     | 132.7                                         | 2.55                                |
| OA0601201345-47  | 44-48                                                     | 0.50                                         | 1.26                                                     | 152.0                                         | 2.57                                |
| OA0601201349-51  | 48-52                                                     | 0.55                                         | 1.26                                                     | 127.1                                         | 2.59                                |
| OA0601201353-55  | 52-56                                                     | 0.78                                         | 1.44                                                     | 84.7                                          | 2.65                                |
| OA0601201357-59  | 56-60                                                     | 1.12                                         | 1.59                                                     | 41.5                                          | 2.76                                |
| OA0601201361-63  | 60-64                                                     | 1.14                                         | 1.62                                                     | 42.0                                          | 2.74                                |
| OA0601201365-67  | 64-68                                                     | 1.17                                         | 1.72                                                     | 47.4                                          | 2.72                                |
| OA0601201369-71  | 68-72                                                     | 1.08                                         | 1.64                                                     | 52.3                                          | 2.75                                |
| OA0601201373-75  | 72-76                                                     | 1.20                                         | 1.68                                                     | 40.5                                          | 2.77                                |

Abbreviations

cm - Centimeter

g - Grams

Footnotes

<sup>1</sup> Per ASTM D7263-09, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>2</sup> Per ASTM D2216-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>3</sup> Per ASTM D854-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

**Table 8 - Testing Results for Sediment Core ID OA07012013 - Bulk Density, Moisture Content, and Specific Gravity**  
**First MNR Report**  
**Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)**  
**Los Angeles County, California**

| <b>Sample ID</b> | <b>Representative depth interval in sediment bed (cm)</b> | <b>Bulk density (dry) (g/cm<sup>3</sup>)</b> | <b>Bulk density (wet)<sup>1</sup> (g/cm<sup>3</sup>)</b> | <b>Moisture Content<sup>2</sup> (percent)</b> | <b>Specific gravity<sup>3</sup></b> |
|------------------|-----------------------------------------------------------|----------------------------------------------|----------------------------------------------------------|-----------------------------------------------|-------------------------------------|
| OA0701201301     | 0-2                                                       | 0.61                                         | 1.27                                                     | 107.0                                         | 2.57                                |
| OA0701201303     | 2-4                                                       | 0.70                                         | 1.30                                                     | 85.4                                          | 2.60                                |
| OA0701201305     | 4-6                                                       | 0.68                                         | 1.35                                                     | 97.5                                          | 2.62                                |
| OA0701201307     | 6-8                                                       | 0.66                                         | 1.36                                                     | 107.3                                         | 2.71                                |
| OA0701201309-11  | 8-12                                                      | 0.50                                         | 1.20                                                     | 140.3                                         | 2.55                                |
| OA0701201313-15  | 12-16                                                     | 0.57                                         | 1.23                                                     | 115.8                                         | 2.47                                |
| OA0701201317-19  | 16-20                                                     | 0.65                                         | 1.39                                                     | 114.7                                         | 2.60                                |
| OA0701201321-23  | 20-24                                                     | 0.81                                         | 1.41                                                     | 72.7                                          | 2.76                                |
| OA0701201325-27  | 24-28                                                     | 1.13                                         | 1.64                                                     | 45.6                                          | 2.68                                |
| OA0701201329-31  | 28-32                                                     | 1.07                                         | 1.64                                                     | 52.8                                          | 2.73                                |
| OA0701201333-35  | 32-36                                                     | 1.11                                         | 1.62                                                     | 45.3                                          | 2.73                                |
| OA0701201337-39  | 36-40                                                     | 1.09                                         | 1.57                                                     | 44.2                                          | 2.68                                |
| OA0701201341-43  | 40-44                                                     | 1.12                                         | 1.65                                                     | 47.5                                          | 2.73                                |
| OA0701201345-47  | 44-48                                                     | 1.18                                         | 1.67                                                     | 41.2                                          | 2.74                                |
| OA0701201349-51  | 48-52                                                     | 1.18                                         | 1.65                                                     | 40.2                                          | 2.73                                |
| OA0701201353-55  | 52-56                                                     | 1.20                                         | 1.64                                                     | 36.4                                          | 2.76                                |
| OA0701201357     | 56-58                                                     | 1.14                                         | 1.62                                                     | 41.5                                          | 2.80                                |

Abbreviations

cm - Centimeter

g - Grams

Footnotes

<sup>1</sup> Per ASTM D7263-09, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>2</sup> Per ASTM D2216-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>3</sup> Per ASTM D854-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

**Table 9 - Testing Results for Sediment Core ID OA07022013 - Bulk Density, Moisture Content, and Specific Gravity**  
**First MNR Report**  
**Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)**  
**Los Angeles County, California**

| <b>Sample ID</b> | <b>Representative depth interval in sediment bed (cm)</b> | <b>Bulk density (dry) (g/cm<sup>3</sup>)</b> | <b>Bulk density (wet)<sup>1</sup> (g/cm<sup>3</sup>)</b> | <b>Moisture Content<sup>2</sup> (percent)</b> | <b>Specific gravity<sup>3</sup></b> |
|------------------|-----------------------------------------------------------|----------------------------------------------|----------------------------------------------------------|-----------------------------------------------|-------------------------------------|
| OA0702201301     | 0-2                                                       | 0.61                                         | 1.30                                                     | 113.5                                         | 2.72                                |
| OA0702201303     | 2-4                                                       | 0.64                                         | 1.27                                                     | 98.0                                          | 2.67                                |
| OA0702201305     | 4-6                                                       | 0.57                                         | 1.23                                                     | 114.4                                         | 2.51                                |
| OA0702201307     | 6-8                                                       | 0.58                                         | 1.22                                                     | 108.6                                         | 2.56                                |
| OA0702201309-11  | 8-12                                                      | 0.70                                         | 1.33                                                     | 90.1                                          | 2.62                                |
| OA0702201313-15  | 12-16                                                     | 0.50                                         | 1.16                                                     | 130.2                                         | 2.56                                |
| OA0702201317-19  | 16-20                                                     | 0.62                                         | 1.41                                                     | 126.4                                         | 2.67                                |
| OA0702201321-23  | 20-24                                                     | 0.73                                         | 1.59                                                     | 118.9                                         | 2.69                                |
| OA0702201325-27  | 24-28                                                     | 0.97                                         | 1.66                                                     | 71.1                                          | 2.70                                |
| OA0702201329-31  | 28-32                                                     | 0.98                                         | 1.51                                                     | 53.4                                          | 2.72                                |
| OA0702201333-35  | 32-36                                                     | 1.08                                         | 1.64                                                     | 51.6                                          | 2.71                                |
| OA0702201337-39  | 36-40                                                     | 1.15                                         | 1.68                                                     | 45.7                                          | 2.76                                |
| OA0702201341-43  | 40-44                                                     | 1.20                                         | 1.68                                                     | 40.5                                          | 2.70                                |

Abbreviations

cm - Centimeter

g - Grams

Footnotes

<sup>1</sup> Per ASTM D7263-09, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>2</sup> Per ASTM D2216-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>3</sup> Per ASTM D854-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

**Table 10 - Testing Results for Sediment Core ID OA08012013 - Bulk Density, Moisture Content, and Specific Gravity**  
**First MNR Report**  
**Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)**  
**Los Angeles County, California**

| <b>Sample ID</b> | <b>Representative depth interval in sediment bed (cm)</b> | <b>Bulk density (dry) (g/cm<sup>3</sup>)</b> | <b>Bulk density (wet)<sup>1</sup> (g/cm<sup>3</sup>)</b> | <b>Moisture Content<sup>2</sup> (percent)</b> | <b>Specific gravity<sup>3</sup></b> |
|------------------|-----------------------------------------------------------|----------------------------------------------|----------------------------------------------------------|-----------------------------------------------|-------------------------------------|
| OA0801201301     | 0-2                                                       | 0.64                                         | 1.27                                                     | 99.6                                          | 2.68                                |
| OA0801201303     | 2-4                                                       | 0.74                                         | 1.36                                                     | 82.8                                          | 2.69                                |
| OA0801201305     | 4-6                                                       | 0.83                                         | 1.38                                                     | 66.2                                          | 2.59                                |
| OA0801201307     | 6-8                                                       | 0.79                                         | 1.42                                                     | 79.8                                          | 2.66                                |
| OA0801201309-11  | 8-12                                                      | 0.84                                         | 1.40                                                     | 67.4                                          | 2.62                                |
| OA0801201313-15  | 12-16                                                     | 0.81                                         | 1.41                                                     | 73.7                                          | 2.58                                |
| OA0801201317-19  | 16-20                                                     | 0.70                                         | 1.39                                                     | 98.8                                          | 2.61                                |
| OA0801201321-23  | 20-24                                                     | 0.75                                         | 1.36                                                     | 80.7                                          | 2.60                                |
| OA0801201325-27  | 24-28                                                     | 0.71                                         | 1.38                                                     | 94.3                                          | 2.59                                |
| OA0801201329-31  | 28-32                                                     | 0.65                                         | 1.29                                                     | 98.9                                          | 2.62                                |
| OA0801201333-35  | 32-36                                                     | 0.56                                         | 1.25                                                     | 124.5                                         | 2.42                                |
| OA0801201337-39  | 36-40                                                     | 0.52                                         | 1.21                                                     | 131.7                                         | 2.36                                |
| OA0801201341-43  | 40-44                                                     | 0.60                                         | 1.21                                                     | 100.4                                         | 2.47                                |
| OA0801201345-47  | 44-48                                                     | 0.60                                         | 1.29                                                     | 115.0                                         | 2.52                                |
| OA0801201349-51  | 48-52                                                     | 0.78                                         | 1.39                                                     | 76.7                                          | 2.60                                |
| OA0801201353-55  | 52-56                                                     | 0.96                                         | 1.49                                                     | 54.5                                          | 2.63                                |
| OA0801201357-59  | 56-60                                                     | 1.05                                         | 1.60                                                     | 52.1                                          | 2.69                                |
| OA0801201361-63  | 60-64                                                     | 1.13                                         | 1.62                                                     | 43.3                                          | 2.69                                |
| OA0801201365-67  | 64-68                                                     | 0.98                                         | 1.55                                                     | 57.7                                          | 2.73                                |
| OA0801201369-71  | 68-72                                                     | 1.10                                         | 1.59                                                     | 44.2                                          | 2.71                                |
| OA0801201373-75  | 72-76                                                     | 1.15                                         | 1.66                                                     | 44.8                                          | 2.72                                |
| OA0801201377-79  | 76-80                                                     | 1.17                                         | 1.60                                                     | 36.9                                          | 2.73                                |

**Abbreviations**

cm - Centimeter

g - Grams

**Footnotes**

<sup>1</sup> Per ASTM D7263-09, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>2</sup> Per ASTM D2216-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>3</sup> Per ASTM D854-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

**Table 11 - Testing Results for Sediment Core ID OA09012013 - Bulk Density, Moisture Content, and Specific Gravity**  
**First MNR Report**  
**Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)**  
**Los Angeles County, California**

| <b>Sample ID</b> | <b>Representative depth interval in sediment bed (cm)</b> | <b>Bulk density (dry) (g/cm<sup>3</sup>)</b> | <b>Bulk density (wet)<sup>1</sup> (g/cm<sup>3</sup>)</b> | <b>Moisture Content<sup>2</sup> (percent)</b> | <b>Specific gravity<sup>3</sup></b> |
|------------------|-----------------------------------------------------------|----------------------------------------------|----------------------------------------------------------|-----------------------------------------------|-------------------------------------|
| OA0901201301     | 0-2                                                       | 0.91                                         | 1.46                                                     | 60.0                                          | 2.72                                |
| OA0901201303     | 2-4                                                       | 1.06                                         | 1.57                                                     | 48.5                                          | 2.65                                |
| OA0901201305     | 4-6                                                       | 1.09                                         | 1.58                                                     | 45.0                                          | 2.67                                |
| OA0901201307     | 6-8                                                       | 1.05                                         | 1.58                                                     | 49.9                                          | 2.68                                |
| OA0901201309-11  | 8-12                                                      | 0.98                                         | 1.50                                                     | 52.6                                          | 2.70                                |
| OA0901201313-15  | 12-16                                                     | 1.08                                         | 1.60                                                     | 47.9                                          | 2.68                                |
| OA0901201317-19  | 16-20                                                     | 1.11                                         | 1.63                                                     | 46.2                                          | 2.66                                |
| OA0901201321-23  | 20-24                                                     | 1.09                                         | 1.60                                                     | 46.2                                          | 2.64                                |
| OA0901201325-27  | 24-28                                                     | 1.12                                         | 1.63                                                     | 44.7                                          | 2.69                                |
| OA0901201329-31  | 28-32                                                     | 1.13                                         | 1.67                                                     | 47.5                                          | 2.71                                |
| OA0901201333-35  | 32-36                                                     | 1.12                                         | 1.64                                                     | 46.2                                          | 2.71                                |
| OA0901201337-39  | 36-40                                                     | 1.03                                         | 1.55                                                     | 50.0                                          | 2.65                                |
| OA0901201341-43  | 40-44                                                     | 1.06                                         | 1.60                                                     | 50.8                                          | 2.71                                |
| OA0901201345-47  | 44-48                                                     | 1.12                                         | 1.63                                                     | 46.3                                          | 2.68                                |
| OA0901201349-51  | 48-52                                                     | 1.09                                         | 1.60                                                     | 46.7                                          | 2.71                                |
| OA0901201353-55  | 52-56                                                     | 1.09                                         | 1.65                                                     | 51.0                                          | 2.71                                |
| OA0901201357-59  | 56-60                                                     | 1.22                                         | 1.71                                                     | 39.8                                          | 2.74                                |

Abbreviations

cm - Centimeter

g - Grams

Footnotes

<sup>1</sup> Per ASTM D7263-09, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>2</sup> Per ASTM D2216-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>3</sup> Per ASTM D854-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

**Table 12 - Testing Results for Sediment Core ID OA10012013 - Bulk Density, Moisture Content, and Specific Gravity**  
**First MNR Report**  
**Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)**  
**Los Angeles County, California**

| <b>Sample ID</b> | <b>Representative depth interval in sediment bed (cm)</b> | <b>Bulk density (dry) (g/cm<sup>3</sup>)</b> | <b>Bulk density (wet)<sup>1</sup> (g/cm<sup>3</sup>)</b> | <b>Moisture Content<sup>2</sup> (percent)</b> | <b>Specific gravity<sup>3</sup></b> |
|------------------|-----------------------------------------------------------|----------------------------------------------|----------------------------------------------------------|-----------------------------------------------|-------------------------------------|
| OA1001201301     | 0-2                                                       | 0.78                                         | 1.39                                                     | 77.5                                          | 2.68                                |
| OA1001201303     | 2-4                                                       | 0.80                                         | 1.42                                                     | 77.9                                          | 2.69                                |
| OA1001201305     | 4-6                                                       | 0.68                                         | 1.32                                                     | 94.2                                          | 2.62                                |
| OA1001201307     | 6-8                                                       | 0.58                                         | 1.23                                                     | 113.6                                         | 2.52                                |
| OA1001201309-11  | 8-12                                                      | 0.51                                         | 1.29                                                     | 153.6                                         | 2.55                                |
| OA1001201313-15  | 12-16                                                     | 0.68                                         | 1.28                                                     | 88.5                                          | 2.64                                |
| OA1001201317-19  | 16-20                                                     | 1.05                                         | 1.58                                                     | 50.9                                          | 2.65                                |
| OA1001201321-23  | 20-24                                                     | 1.19                                         | 1.68                                                     | 42.0                                          | 2.73                                |
| OA1001201325-27  | 24-28                                                     | 1.18                                         | 1.65                                                     | 40.2                                          | 2.77                                |
| OA1001201329-31  | 28-32                                                     | 1.17                                         | 1.61                                                     | 38.5                                          | 2.72                                |
| OA1001201333-35  | 32-36                                                     | 1.22                                         | 1.71                                                     | 40.4                                          | 2.79                                |
| OA1001201337-39  | 36-40                                                     | 1.17                                         | 1.67                                                     | 42.3                                          | 2.72                                |
| OA1001201341-43  | 40-44                                                     | 1.08                                         | 1.51                                                     | 40.1                                          | 2.69                                |
| OA1001201345-47  | 44-48                                                     | 1.20                                         | 1.68                                                     | 40.2                                          | 2.72                                |
| OA1001201349-51  | 48-52                                                     | 1.22                                         | 1.70                                                     | 39.5                                          | 2.75                                |

Abbreviations

cm - Centimeter

g - Grams

Footnotes

<sup>1</sup> Per ASTM D7263-09, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>2</sup> Per ASTM D2216-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>3</sup> Per ASTM D854-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

**Table 13 - Testing Results for Sediment Core ID OA10022013 - Bulk Density, Moisture Content, and Specific Gravity**  
**First MNR Report**  
**Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)**  
**Los Angeles County, California**

| <b>Sample ID</b> | <b>Representative depth interval in sediment bed (cm)</b> | <b>Bulk density (dry) (g/cm<sup>3</sup>)</b> | <b>Bulk density (wet)<sup>1</sup> (g/cm<sup>3</sup>)</b> | <b>Moisture Content<sup>2</sup> (percent)</b> | <b>Specific gravity<sup>3</sup></b> |
|------------------|-----------------------------------------------------------|----------------------------------------------|----------------------------------------------------------|-----------------------------------------------|-------------------------------------|
| OA1002201301     | 0-2                                                       | 0.81                                         | 1.42                                                     | 75.6                                          | 2.75                                |
| OA1002201303     | 2-4                                                       | 0.89                                         | 1.57                                                     | 76.6                                          | 2.66                                |
| OA1002201305     | 4-6                                                       | 0.90                                         | 1.44                                                     | 59.5                                          | 2.69                                |
| OA1002201307     | 6-8                                                       | 0.76                                         | 1.39                                                     | 82.0                                          | 2.63                                |
| OA1002201309-11  | 8-12                                                      | 0.71                                         | 1.33                                                     | 88.2                                          | 2.54                                |
| OA1002201313-15  | 12-16                                                     | 0.87                                         | 1.39                                                     | 59.4                                          | 2.66                                |
| OA1002201317-19  | 16-20                                                     | 1.04                                         | 1.61                                                     | 54.5                                          | 2.70                                |
| OA1002201321-23  | 20-24                                                     | 1.21                                         | 1.66                                                     | 36.6                                          | 2.71                                |
| OA1002201325-27  | 24-28                                                     | 1.18                                         | 1.67                                                     | 42.1                                          | 2.73                                |
| OA1002201329-31  | 28-32                                                     | 1.23                                         | 1.73                                                     | 41.2                                          | 2.71                                |
| OA1002201333-35  | 32-36                                                     | 1.22                                         | 1.71                                                     | 40.0                                          | 2.72                                |
| OA1002201337-39  | 36-40                                                     | 1.25                                         | 1.70                                                     | 36.7                                          | 2.69                                |
| OA1002201341-43  | 40-44                                                     | 1.26                                         | 1.70                                                     | 35.1                                          | 2.72                                |

Abbreviations

cm - Centimeter

g - Grams

Footnotes

<sup>1</sup> Per ASTM D7263-09, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>2</sup> Per ASTM D2216-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>3</sup> Per ASTM D854-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

**Table 14 - Testing Results for Sediment Core ID OA11012013 - Bulk Density, Moisture Content, and Specific Gravity**  
**First MNR Report**  
**Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)**  
**Los Angeles County, California**

| <b>Sample ID</b> | <b>Representative depth interval in sediment bed (cm)</b> | <b>Bulk density (dry) (g/cm<sup>3</sup>)</b> | <b>Bulk density (wet)<sup>1</sup> (g/cm<sup>3</sup>)</b> | <b>Moisture Content<sup>2</sup> (percent)</b> | <b>Specific gravity<sup>3</sup></b> |
|------------------|-----------------------------------------------------------|----------------------------------------------|----------------------------------------------------------|-----------------------------------------------|-------------------------------------|
| OA1101201301     | 0-2                                                       | 0.60                                         | 1.27                                                     | 110.8                                         | 2.81                                |
| OA1101201303     | 2-4                                                       | 0.75                                         | 1.36                                                     | 81.2                                          | 2.71                                |
| OA1101201305     | 4-6                                                       | 0.86                                         | 1.44                                                     | 67.0                                          | 2.71                                |
| OA1101201307     | 6-8                                                       | 0.91                                         | 1.47                                                     | 60.7                                          | 2.66                                |
| OA1101201309-11  | 8-12                                                      | 0.86                                         | 1.41                                                     | 64.7                                          | 2.63                                |
| OA1101201313-15  | 12-16                                                     | 0.94                                         | 1.63                                                     | 74.7                                          | 2.65                                |
| OA1101201317-19  | 16-20                                                     | 0.72                                         | 1.39                                                     | 93.6                                          | 2.55                                |
| OA1101201321-23  | 20-24                                                     | 0.58                                         | 1.19                                                     | 103.6                                         | 2.55                                |
| OA1101201325-27  | 24-28                                                     | 0.52                                         | 1.15                                                     | 121.8                                         | 2.48                                |
| OA1101201329-31  | 28-32                                                     | 0.44                                         | 1.11                                                     | 152.3                                         | 2.38                                |
| OA1101201333-35  | 32-36                                                     | 0.57                                         | 1.32                                                     | 132.2                                         | 2.47                                |
| OA1101201337-39  | 36-40                                                     | 0.63                                         | 1.27                                                     | 103.3                                         | 2.55                                |
| OA1101201341-43  | 40-44                                                     | 0.48                                         | 1.21                                                     | 154.7                                         | 2.43                                |
| OA1101201345-47  | 44-48                                                     | 0.61                                         | 1.26                                                     | 107.0                                         | 2.64                                |
| OA1101201349-51  | 48-52                                                     | 0.89                                         | 1.48                                                     | 66.9                                          | 2.68                                |
| OA1101201353-55  | 52-56                                                     | 1.00                                         | 1.57                                                     | 57.0                                          | 2.71                                |
| OA1101201357-59  | 56-60                                                     | 1.02                                         | 1.58                                                     | 55.0                                          | 2.71                                |
| OA1101201361-63  | 60-64                                                     | 1.15                                         | 1.62                                                     | 41.2                                          | 2.72                                |
| OA1101201365-67  | 64-68                                                     | 1.12                                         | 1.63                                                     | 45.1                                          | 2.70                                |
| OA1101201369-71  | 68-72                                                     | 1.19                                         | 1.67                                                     | 40.5                                          | 2.73                                |
| OA1101201373-75  | 72-76                                                     | 1.13                                         | 1.59                                                     | 40.4                                          | 2.75                                |
| OA1101201377-79  | 76-80                                                     | 1.19                                         | 1.65                                                     | 39.2                                          | 2.72                                |
| OA1101201383     | 82-84                                                     | 1.20                                         | 1.70                                                     | 41.3                                          | 2.76                                |

Abbreviations

cm - Centimeter  
g - Grams

Footnotes

<sup>1</sup> Per ASTM D7263-09, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>2</sup> Per ASTM D2216-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>3</sup> Per ASTM D854-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

**Table 15 - Testing Results for Sediment Core ID OA11022013 - Bulk Density, Moisture Content, and Specific Gravity**  
**First MNR Report**  
**Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)**  
**Los Angeles County, California**

| <b>Sample ID</b> | <b>Representative depth interval in sediment bed (cm)</b> | <b>Bulk density (dry) (g/cm<sup>3</sup>)</b> | <b>Bulk density (wet)<sup>1</sup> (g/cm<sup>3</sup>)</b> | <b>Moisture Content<sup>2</sup> (percent)</b> | <b>Specific gravity<sup>3</sup></b> |
|------------------|-----------------------------------------------------------|----------------------------------------------|----------------------------------------------------------|-----------------------------------------------|-------------------------------------|
| OA1102201301     | 0-2                                                       | 0.69                                         | 1.34                                                     | 93.1                                          | 2.69                                |
| OA1102201303     | 2-4                                                       | 0.78                                         | 1.37                                                     | 76.0                                          | 2.69                                |
| OA1102201305     | 4-6                                                       | 0.88                                         | 1.47                                                     | 66.9                                          | 2.70                                |
| OA1102201307     | 6-8                                                       | 0.83                                         | 1.39                                                     | 67.2                                          | 2.59                                |
| OA1102201309-11  | 8-12                                                      | 0.89                                         | 1.51                                                     | 68.9                                          | 2.74                                |
| OA1102201313-15  | 12-16                                                     | 0.76                                         | 1.42                                                     | 85.7                                          | 2.64                                |
| OA1102201317-19  | 16-20                                                     | 0.71                                         | 1.32                                                     | 86.4                                          | 2.61                                |
| OA1102201321-23  | 20-24                                                     | 0.48                                         | 1.21                                                     | 151.0                                         | 2.44                                |
| OA1102201325-27  | 24-28                                                     | 0.41                                         | 1.17                                                     | 185.2                                         | 2.37                                |
| OA1102201329-31  | 28-32                                                     | 0.42                                         | 1.11                                                     | 166.2                                         | 2.40                                |
| OA1102201333-35  | 32-36                                                     | 0.44                                         | 1.19                                                     | 166.7                                         | 2.40                                |
| OA1102201337-39  | 36-40                                                     | 0.65                                         | 1.31                                                     | 100.4                                         | 2.49                                |
| OA1102201341-43  | 40-44                                                     | 0.53                                         | 1.23                                                     | 132.8                                         | 2.52                                |
| OA1102201345-47  | 44-48                                                     | 0.50                                         | 1.23                                                     | 145.4                                         | 2.51                                |
| OA1102201349-51  | 48-52                                                     | 0.92                                         | 1.52                                                     | 65.5                                          | 2.63                                |
| OA1102201353-55  | 52-56                                                     | 0.79                                         | 1.43                                                     | 81.6                                          | 2.69                                |
| OA1102201357-59  | 56-60                                                     | 1.17                                         | 1.71                                                     | 46.1                                          | 2.68                                |
| OA1102201361-63  | 60-64                                                     | 1.17                                         | 1.66                                                     | 42.0                                          | 2.73                                |
| OA1102201365-67  | 64-68                                                     | 1.18                                         | 1.64                                                     | 39.2                                          | 2.69                                |
| OA1102201369-71  | 68-72                                                     | 1.22                                         | 1.72                                                     | 41.0                                          | 2.68                                |
| OA1102201373-75  | 72-76                                                     | 1.16                                         | 1.67                                                     | 44.1                                          | 2.71                                |

Abbreviations

cm - Centimeter

g - Grams

Footnotes

<sup>1</sup> Per ASTM D7263-09, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>2</sup> Per ASTM D2216-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>3</sup> Per ASTM D854-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

**Table 16 - Testing Results for Sediment Core ID OA12012013 - Bulk Density, Moisture Content, and Specific Gravity**  
**First MNR Report**  
**Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)**  
**Los Angeles County, California**

| <b>Sample ID</b> | <b>Representative depth interval in sediment bed (cm)</b> | <b>Bulk density (dry) (g/cm<sup>3</sup>)</b> | <b>Bulk density (wet)<sup>1</sup> (g/cm<sup>3</sup>)</b> | <b>Moisture Content<sup>2</sup> (percent)</b> | <b>Specific gravity<sup>3</sup></b> |
|------------------|-----------------------------------------------------------|----------------------------------------------|----------------------------------------------------------|-----------------------------------------------|-------------------------------------|
| OA1201201301     | 0-2                                                       | 0.73                                         | 1.44                                                     | 97.7                                          | 2.68                                |
| OA1201201303     | 2-4                                                       | 0.89                                         | 1.47                                                     | 64.2                                          | 2.76                                |
| OA1201201305     | 4-6                                                       | 0.94                                         | 1.53                                                     | 63.4                                          | 2.69                                |
| OA1201201307     | 6-8                                                       | 0.95                                         | 1.47                                                     | 55.5                                          | 2.70                                |
| OA1201201309-11  | 8-12                                                      | 0.88                                         | 1.52                                                     | 71.8                                          | 2.50                                |
| OA1201201313-15  | 12-16                                                     | 0.86                                         | 1.48                                                     | 72.9                                          | 2.67                                |
| OA1201201317-19  | 16-20                                                     | 0.84                                         | 1.47                                                     | 74.1                                          | 2.73                                |
| OA1201201321-23  | 20-24                                                     | 1.08                                         | 1.61                                                     | 48.6                                          | 2.76                                |
| OA1201201325-27  | 24-28                                                     | 1.14                                         | 1.64                                                     | 43.0                                          | 2.73                                |
| OA1201201329-31  | 28-32                                                     | 1.20                                         | 1.67                                                     | 38.7                                          | 2.76                                |
| OA1201201333-35  | 32-36                                                     | 1.24                                         | 1.73                                                     | 39.3                                          | 2.76                                |
| OA1201201337-39  | 36-40                                                     | 1.26                                         | 1.73                                                     | 36.8                                          | 2.78                                |

Abbreviations

cm - Centimeter

g - Grams

Footnotes

<sup>1</sup> Per ASTM D7263-09, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>2</sup> Per ASTM D2216-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>3</sup> Per ASTM D854-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

**Table 17 - Testing Results for Sediment Core ID OA12022013 - Bulk Density, Moisture Content, and Specific Gravity**  
**First MNR Report**  
**Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)**  
**Los Angeles County, California**

| <b>Sample ID</b> | <b>Representative depth interval in sediment bed (cm)</b> | <b>Bulk density (dry) (g/cm<sup>3</sup>)</b> | <b>Bulk density (wet)<sup>1</sup> (g/cm<sup>3</sup>)</b> | <b>Moisture Content<sup>2</sup> (percent)</b> | <b>Specific gravity<sup>3</sup></b> |
|------------------|-----------------------------------------------------------|----------------------------------------------|----------------------------------------------------------|-----------------------------------------------|-------------------------------------|
| OA1202201301     | 0-2                                                       | 0.85                                         | 1.44                                                     | 70.3                                          | 2.63                                |
| OA1202201303     | 2-4                                                       | 0.92                                         | 1.48                                                     | 61.7                                          | 2.75                                |
| OA1202201305     | 4-6                                                       | 0.93                                         | 1.46                                                     | 57.4                                          | 2.72                                |
| OA1202201307     | 6-8                                                       | 0.92                                         | 1.49                                                     | 62.5                                          | 2.76                                |
| OA1202201309-11  | 8-12                                                      | 0.83                                         | 1.45                                                     | 75.4                                          | 2.61                                |
| OA1202201313-15  | 12-16                                                     | 0.69                                         | 1.35                                                     | 94.3                                          | 2.60                                |
| OA1202201317-19  | 16-20                                                     | 0.94                                         | 1.52                                                     | 61.7                                          | 2.64                                |
| OA1202201321-23  | 20-24                                                     | 1.22                                         | 1.71                                                     | 40.2                                          | 2.76                                |
| OA1202201325-27  | 24-28                                                     | 1.18                                         | 1.69                                                     | 42.8                                          | 2.74                                |
| OA1202201329-31  | 28-32                                                     | 1.10                                         | 1.66                                                     | 50.7                                          | 2.68                                |
| OA1202201333-35  | 32-36                                                     | 1.19                                         | 1.68                                                     | 41.4                                          | 2.71                                |
| OA1202201337     | 36-38                                                     | 1.16                                         | 1.67                                                     | 43.2                                          | 2.75                                |

Abbreviations

cm - Centimeter

g - Grams

Footnotes

<sup>1</sup> Per ASTM D7263-09, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>2</sup> Per ASTM D2216-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>3</sup> Per ASTM D854-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

**Table 18 - Testing Results for Sediment Core ID OA1301201301 - Bulk Density, Moisture Content, and Specific Gravity**  
**First MNR Report**  
**Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)**  
**Los Angeles County, California**

| <b>Sample ID</b> | <b>Representative depth interval in sediment bed (cm)</b> | <b>Bulk density (dry) (g/cm<sup>3</sup>)</b> | <b>Bulk density (wet)<sup>1</sup> (g/cm<sup>3</sup>)</b> | <b>Moisture Content<sup>2</sup> (percent)</b> | <b>Specific gravity<sup>3</sup></b> |
|------------------|-----------------------------------------------------------|----------------------------------------------|----------------------------------------------------------|-----------------------------------------------|-------------------------------------|
| OA1301201301     | 0-2                                                       | 0.90                                         | 1.48                                                     | 65.3                                          | 2.70                                |
| OA1301201303     | 2-4                                                       | 0.98                                         | 1.56                                                     | 59.9                                          | 2.63                                |
| OA1301201305     | 4-6                                                       | 1.11                                         | 1.62                                                     | 46.2                                          | 2.71                                |
| OA1301201307     | 6-8                                                       | 1.00                                         | 1.55                                                     | 55.8                                          | 2.61                                |
| OA1301201309-11  | 8-12                                                      | 0.89                                         | 1.47                                                     | 65.3                                          | 2.59                                |
| OA1301201313-15  | 12-16                                                     | 0.62                                         | 1.31                                                     | 111.8                                         | 2.64                                |
| OA1301201317-19  | 16-20                                                     | 0.55                                         | 1.28                                                     | 132.9                                         | 2.54                                |
| OA1301201321-23  | 20-24                                                     | 0.68                                         | 1.53                                                     | 124.1                                         | 2.54                                |
| OA1301201325-27  | 24-28                                                     | 0.80                                         | 1.43                                                     | 77.1                                          | 2.65                                |
| OA1301201329-31  | 28-32                                                     | 0.87                                         | 1.42                                                     | 63.0                                          | 2.62                                |
| OA1301201333-35  | 32-36                                                     | 1.00                                         | 1.52                                                     | 51.1                                          | 2.68                                |
| OA1301201337-39  | 36-40                                                     | 1.19                                         | 1.67                                                     | 40.3                                          | 2.70                                |
| OA1301201341-43  | 40-44                                                     | 1.14                                         | 1.68                                                     | 46.6                                          | 2.72                                |
| OA1301201345-47  | 44-48                                                     | 1.08                                         | 1.60                                                     | 48.3                                          | 2.74                                |
| OA1301201349-51  | 48-52                                                     | 1.22                                         | 1.68                                                     | 37.3                                          | 2.75                                |
| OA1301201353     | 52-54                                                     | 1.16                                         | 1.70                                                     | 45.9                                          | 2.71                                |

Abbreviations

cm - Centimeter

g - Grams

Footnotes

<sup>1</sup> Per ASTM D7263-09, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>2</sup> Per ASTM D2216-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>3</sup> Per ASTM D854-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

**Table 19 - Testing Results for Sediment Core ID OA14012013 - Bulk Density, Moisture Content, and Specific Gravity**  
**First MNR Report**  
**Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)**  
**Los Angeles County, California**

| <b>Sample ID</b> | <b>Representative depth interval in sediment bed (cm)</b> | <b>Bulk density (dry) (g/cm<sup>3</sup>)</b> | <b>Bulk density (wet)<sup>1</sup> (g/cm<sup>3</sup>)</b> | <b>Moisture Content<sup>2</sup> (percent)</b> | <b>Specific gravity<sup>3</sup></b> |
|------------------|-----------------------------------------------------------|----------------------------------------------|----------------------------------------------------------|-----------------------------------------------|-------------------------------------|
| OA1401201301     | 0-2                                                       | 0.82                                         | 1.40                                                     | 70.3                                          | 2.72                                |
| OA1401201303     | 2-4                                                       | 0.96                                         | 1.50                                                     | 56.8                                          | 2.62                                |
| OA1401201305     | 4-6                                                       | 1.03                                         | 1.56                                                     | 52.2                                          | 2.77                                |
| OA1401201307     | 6-8                                                       | 1.10                                         | 1.61                                                     | 45.8                                          | 2.76                                |
| OA1401201309-11  | 8-12                                                      | 1.01                                         | 1.51                                                     | 50.5                                          | 2.64                                |
| OA1401201313-15  | 12-16                                                     | 0.95                                         | 1.48                                                     | 55.6                                          | 2.65                                |
| OA1401201317-19  | 16-20                                                     | 0.93                                         | 1.50                                                     | 61.9                                          | 2.66                                |
| OA1401201321-23  | 20-24                                                     | 0.93                                         | 1.53                                                     | 64.3                                          | 2.68                                |
| OA1401201325-27  | 24-28                                                     | 0.66                                         | 1.26                                                     | 92.1                                          | 2.63                                |
| OA1401201329-31  | 28-32                                                     | 0.75                                         | 1.25                                                     | 65.8                                          | 2.53                                |
| OA1401201333-35  | 32-36                                                     | 0.60                                         | 1.26                                                     | 109.8                                         | 2.56                                |
| OA1401201337-39  | 36-40                                                     | 0.84                                         | 1.39                                                     | 64.1                                          | 2.62                                |
| OA1401201341-43  | 40-44                                                     | 0.79                                         | 1.56                                                     | 97.0                                          | 2.69                                |
| OA1401201345-47  | 44-48                                                     | 1.17                                         | 1.63                                                     | 39.7                                          | 2.70                                |
| OA1401201349-51  | 48-52                                                     | 1.20                                         | 1.69                                                     | 41.4                                          | 2.70                                |
| OA1401201353-55  | 52-56                                                     | 1.17                                         | 1.69                                                     | 44.0                                          | 2.74                                |
| OA1401201357-59  | 56-60                                                     | 1.02                                         | 1.58                                                     | 55.9                                          | 2.70                                |
| OA1401201361-63  | 60-64                                                     | 1.24                                         | 1.72                                                     | 39.0                                          | 2.72                                |
| OA1401201365     | 64-66                                                     | 1.21                                         | 1.73                                                     | 42.8                                          | 2.71                                |

Abbreviations

cm - Centimeter

g - Grams

Footnotes

<sup>1</sup> Per ASTM D7263-09, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>2</sup> Per ASTM D2216-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>3</sup> Per ASTM D854-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

**Table 20 - Testing Results for Sediment Core ID OA15012013 - Bulk Density, Moisture Content, and Specific Gravity**  
**First MNR Report**  
**Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)**  
**Los Angeles County, California**

| <b>Sample ID</b> | <b>Representative depth interval in sediment bed (cm)</b> | <b>Bulk density (dry) (g/cm<sup>3</sup>)</b> | <b>Bulk density (wet)<sup>1</sup> (g/cm<sup>3</sup>)</b> | <b>Moisture Content<sup>2</sup> (percent)</b> | <b>Specific gravity<sup>3</sup></b> |
|------------------|-----------------------------------------------------------|----------------------------------------------|----------------------------------------------------------|-----------------------------------------------|-------------------------------------|
| OA1501201301     | 0-2                                                       | 0.82                                         | 1.44                                                     | 76.6                                          | 2.75                                |
| OA1501201303     | 2-4                                                       | 0.87                                         | 1.47                                                     | 69.8                                          | 2.65                                |
| OA1501201305     | 4-6                                                       | 0.87                                         | 1.49                                                     | 71.4                                          | 2.69                                |
| OA1501201307     | 6-8                                                       | 0.70                                         | 1.18                                                     | 68.4                                          | 2.69                                |
| OA1501201309-11  | 8-12                                                      | 0.90                                         | 1.48                                                     | 63.8                                          | 2.63                                |
| OA1501201313-15  | 12-16                                                     | 0.71                                         | 1.35                                                     | 90.8                                          | 2.59                                |
| OA1501201317-19  | 16-20                                                     | 0.99                                         | 1.53                                                     | 54.5                                          | 2.67                                |
| OA1501201321-23  | 20-24                                                     | 1.04                                         | 1.60                                                     | 54.0                                          | 2.55                                |
| OA1501201325-27  | 24-28                                                     | 1.00                                         | 1.56                                                     | 55.9                                          | 2.72                                |
| OA1501201329-31  | 28-32                                                     | 1.32                                         | 1.76                                                     | 32.8                                          | 2.73                                |
| OA1501201333-35  | 32-36                                                     | 1.05                                         | 1.59                                                     | 50.8                                          | 2.70                                |
| OA1501201337-39  | 36-40                                                     | 1.21                                         | 1.66                                                     | 37.3                                          | 2.74                                |
| OA1501201341-43  | 40-44                                                     | 1.15                                         | 1.69                                                     | 47.0                                          | 2.77                                |
| OA1501201345-47  | 44-48                                                     | 1.17                                         | 1.64                                                     | 39.7                                          | 2.75                                |
| OA1501201349     | 48-50                                                     | 1.14                                         | 1.64                                                     | 44.0                                          | 2.77                                |

Abbreviations

cm - Centimeter

g - Grams

Footnotes

<sup>1</sup> Per ASTM D7263-09, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>2</sup> Per ASTM D2216-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>3</sup> Per ASTM D854-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

**Table 21 - Testing Results for Sediment Core ID OA16012013 - Bulk Density, Moisture Content, and Specific Gravity**  
**First MNR Report**  
**Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)**  
**Los Angeles County, California**

| <b>Sample ID</b> | <b>Representative depth interval in sediment bed (cm)</b> | <b>Bulk density (dry) (g/cm<sup>3</sup>)</b> | <b>Bulk density (wet)<sup>1</sup> (g/cm<sup>3</sup>)</b> | <b>Moisture Content<sup>2</sup> (percent)</b> | <b>Specific gravity<sup>3</sup></b> |
|------------------|-----------------------------------------------------------|----------------------------------------------|----------------------------------------------------------|-----------------------------------------------|-------------------------------------|
| OA1601201301     | 0-2                                                       | 0.83                                         | 1.45                                                     | 75.1                                          | 2.60                                |
| OA1601201303     | 2-4                                                       | 0.93                                         | 1.58                                                     | 68.8                                          | 2.60                                |
| OA1601201305     | 4-6                                                       | 0.97                                         | 1.52                                                     | 55.7                                          | 2.61                                |
| OA1601201307     | 6-8                                                       | 1.02                                         | 1.63                                                     | 59.5                                          | 2.65                                |
| OA1601201309-11  | 8-12                                                      | 0.94                                         | 1.51                                                     | 60.1                                          | 2.58                                |
| OA1601201313-15  | 12-16                                                     | 0.93                                         | 1.50                                                     | 61.0                                          | 2.53                                |
| OA1601201317-19  | 16-20                                                     | 0.72                                         | 1.42                                                     | 95.4                                          | 2.61                                |
| OA1601201321-23  | 20-24                                                     | 1.10                                         | 1.61                                                     | 46.1                                          | 2.68                                |
| OA1601201325-27  | 24-28                                                     | 1.17                                         | 1.67                                                     | 43.1                                          | 2.68                                |
| OA1601201329-31  | 28-32                                                     | 1.20                                         | 1.72                                                     | 43.2                                          | 2.68                                |
| OA1601201333-35  | 32-36                                                     | 1.22                                         | 1.73                                                     | 40.9                                          | 2.67                                |
| OA1601201337-39  | 36-40                                                     | 1.15                                         | 1.69                                                     | 47.5                                          | 2.71                                |
| OA1601201341-43  | 40-44                                                     | 1.24                                         | 1.69                                                     | 36.8                                          | 2.71                                |

Abbreviations

cm - Centimeter

g - Grams

Footnotes

<sup>1</sup> Per ASTM D7263-09, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>2</sup> Per ASTM D2216-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>3</sup> Per ASTM D854-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

**Table 22 - Testing Results for Sediment Core ID OA16022013 - Bulk Density, Moisture Content, and Specific Gravity**  
**First MNR Report**  
**Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)**  
**Los Angeles County, California**

| <b>Sample ID</b> | <b>Representative depth interval in sediment bed (cm)</b> | <b>Bulk density (dry) (g/cm<sup>3</sup>)</b> | <b>Bulk density (wet)<sup>1</sup> (g/cm<sup>3</sup>)</b> | <b>Moisture Content<sup>2</sup> (percent)</b> | <b>Specific gravity<sup>3</sup></b> |
|------------------|-----------------------------------------------------------|----------------------------------------------|----------------------------------------------------------|-----------------------------------------------|-------------------------------------|
| OA1602201301     | 0-2                                                       | 0.87                                         | 1.45                                                     | 66.1                                          | 2.74                                |
| OA1602201303     | 2-4                                                       | 0.89                                         | 1.45                                                     | 63.7                                          | 2.64                                |
| OA1602201305     | 4-6                                                       | 0.93                                         | 1.50                                                     | 60.6                                          | 2.68                                |
| OA1602201307     | 6-8                                                       | 0.95                                         | 1.59                                                     | 67.4                                          | 2.66                                |
| OA1602201309-11  | 8-12                                                      | 0.82                                         | 1.49                                                     | 81.5                                          | 2.59                                |
| OA1602201313-15  | 12-16                                                     | 0.82                                         | 1.35                                                     | 64.9                                          | 2.62                                |
| OA1602201317-19  | 16-20                                                     | 1.06                                         | 1.56                                                     | 47.8                                          | 2.68                                |
| OA1602201321-23  | 20-24                                                     | 1.14                                         | 1.64                                                     | 43.9                                          | 2.74                                |
| OA1602201325-27  | 24-28                                                     | 1.20                                         | 1.66                                                     | 38.3                                          | 2.74                                |
| OA1602201329-31  | 28-32                                                     | 1.20                                         | 1.67                                                     | 40.1                                          | 2.74                                |
| OA1602201333-35  | 32-36                                                     | 1.10                                         | 1.53                                                     | 39.3                                          | 2.68                                |
| OA1602201337-39  | 36-40                                                     | 1.00                                         | 1.51                                                     | 50.4                                          | 2.66                                |
| OA1602201341-43  | 40-44                                                     | 1.03                                         | 1.58                                                     | 52.8                                          | 2.72                                |
| OA1602201345-47  | 44-48                                                     | 1.29                                         | 1.75                                                     | 36.4                                          | 2.68                                |

Abbreviations

cm - Centimeter

g - Grams

Footnotes

<sup>1</sup> Per ASTM D7263-09, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>2</sup> Per ASTM D2216-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>3</sup> Per ASTM D854-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

**Table 23 - Testing Results for Sediment Core ID OA17012013 - Bulk Density, Moisture Content, and Specific Gravity**  
**First MNR Report**  
**Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)**  
**Los Angeles County, California**

| <b>Sample ID</b> | <b>Representative depth interval in sediment bed (cm)</b> | <b>Bulk density (dry) (g/cm<sup>3</sup>)</b> | <b>Bulk density (wet)<sup>1</sup> (g/cm<sup>3</sup>)</b> | <b>Moisture Content<sup>2</sup> (percent)</b> | <b>Specific gravity<sup>3</sup></b> |
|------------------|-----------------------------------------------------------|----------------------------------------------|----------------------------------------------------------|-----------------------------------------------|-------------------------------------|
| OA1701201301     | 0-2                                                       | 0.94                                         | 1.52                                                     | 61.8                                          | 2.72                                |
| OA1701201303     | 2-4                                                       | 1.05                                         | 1.58                                                     | 51.0                                          | 2.73                                |
| OA1701201305     | 4-6                                                       | 1.10                                         | 1.61                                                     | 46.4                                          | 2.73                                |
| OA1701201307     | 6-8                                                       | 0.94                                         | 1.51                                                     | 60.6                                          | 2.79                                |
| OA1701201309-11  | 8-12                                                      | 0.82                                         | 1.39                                                     | 69.8                                          | 2.48                                |
| OA1701201313-15  | 12-16                                                     | 0.91                                         | 1.46                                                     | 60.0                                          | 2.62                                |
| OA1701201317-19  | 16-20                                                     | 1.15                                         | 1.65                                                     | 43.3                                          | 2.69                                |
| OA1701201321-23  | 20-24                                                     | 0.99                                         | 1.66                                                     | 68.7                                          | 2.73                                |
| OA1701201325-27  | 24-28                                                     | 1.12                                         | 1.62                                                     | 45.3                                          | 2.70                                |
| OA1701201329-31  | 28-32                                                     | 1.17                                         | 1.67                                                     | 43.2                                          | 2.74                                |
| OA1701201333     | 32-34                                                     | 1.12                                         | 1.61                                                     | 43.8                                          | 2.81                                |

Abbreviations

cm - Centimeter

g - Grams

Footnotes

<sup>1</sup> Per ASTM D7263-09, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>2</sup> Per ASTM D2216-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>3</sup> Per ASTM D854-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

**Table 24 - Testing Results for Sediment Core ID OA18012013 - Bulk Density, Moisture Content, and Specific Gravity**  
**First MNR Report**  
**Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)**  
**Los Angeles County, California**

| <b>Sample ID</b> | <b>Representative depth interval in sediment bed (cm)</b> | <b>Bulk density (dry) (g/cm<sup>3</sup>)</b> | <b>Bulk density (wet)<sup>1</sup> (g/cm<sup>3</sup>)</b> | <b>Moisture Content<sup>2</sup> (percent)</b> | <b>Specific gravity<sup>3</sup></b> |
|------------------|-----------------------------------------------------------|----------------------------------------------|----------------------------------------------------------|-----------------------------------------------|-------------------------------------|
| OA1801201301     | 0-2                                                       | 0.73                                         | 1.42                                                     | 96.3                                          | 2.74                                |
| OA1801201303     | 2-4                                                       | 0.86                                         | 1.49                                                     | 72.5                                          | 2.86                                |
| OA1801201305     | 4-6                                                       | 0.80                                         | 1.42                                                     | 77.8                                          | 2.80                                |
| OA1801201307     | 6-8                                                       | 0.81                                         | 1.42                                                     | 76.3                                          | 2.71                                |
| OA1801201309-11  | 8-12                                                      | 0.74                                         | 1.38                                                     | 85.0                                          | 2.60                                |
| OA1801201313-15  | 12-16                                                     | 0.68                                         | 1.39                                                     | 105.0                                         | 2.61                                |
| OA1801201317-19  | 16-20                                                     | 0.69                                         | 1.44                                                     | 109.6                                         | 2.68                                |
| OA1801201321-23  | 20-24                                                     | 0.56                                         | 1.23                                                     | 118.5                                         | 2.64                                |
| OA1801201325-27  | 24-28                                                     | 1.02                                         | 1.59                                                     | 54.7                                          | 2.76                                |
| OA1801201329-31  | 28-32                                                     | 1.19                                         | 1.66                                                     | 40.0                                          | 2.76                                |
| OA1801201333-35  | 32-36                                                     | 1.22                                         | 1.75                                                     | 43.7                                          | 2.77                                |
| OA1801201337-39  | 36-40                                                     | 1.25                                         | 1.72                                                     | 37.3                                          | 2.78                                |
| OA1801201341-43  | 40-44                                                     | 1.30                                         | 1.74                                                     | 34.0                                          | 2.78                                |

**Abbreviations**  
cm - Centimeter  
g - Grams

**Footnotes**

- <sup>1</sup> Per ASTM D7263-09, GMU Geotechnical, Inc., Rancho Santa Margarita, California  
<sup>2</sup> Per ASTM D2216-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California  
<sup>3</sup> Per ASTM D854-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

**Table 25 - Testing Results for Sediment Core ID OA19012013 - Bulk Density, Moisture Content, and Specific Gravity**  
**First MNR Report**  
**Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)**  
**Los Angeles County, California**

| <b>Sample ID</b> | <b>Representative depth interval in sediment bed (cm)</b> | <b>Bulk density (dry) (g/cm<sup>3</sup>)</b> | <b>Bulk density (wet)<sup>1</sup> (g/cm<sup>3</sup>)</b> | <b>Moisture Content<sup>2</sup> (percent)</b> | <b>Specific gravity<sup>3</sup></b> |
|------------------|-----------------------------------------------------------|----------------------------------------------|----------------------------------------------------------|-----------------------------------------------|-------------------------------------|
| OA1901201301     | 0-2                                                       | 0.78                                         | 1.41                                                     | 80.8                                          | 2.71                                |
| OA1901201303     | 2-4                                                       | 0.87                                         | 1.48                                                     | 71.3                                          | 2.68                                |
| OA1901201305     | 4-6                                                       | 1.01                                         | 1.55                                                     | 53.6                                          | 2.78                                |
| OA1901201307     | 6-8                                                       | 0.97                                         | 1.52                                                     | 56.8                                          | 2.75                                |
| OA1901201309-11  | 8-12                                                      | 0.93                                         | 1.55                                                     | 66.7                                          | 2.62                                |
| OA1901201313-15  | 12-16                                                     | 0.78                                         | 1.41                                                     | 81.4                                          | 2.70                                |
| OA1901201317-19  | 16-20                                                     | 0.86                                         | 1.50                                                     | 73.7                                          | 2.70                                |
| OA1901201321-23  | 20-24                                                     | 1.20                                         | 1.69                                                     | 40.5                                          | 2.73                                |
| OA1901201325-27  | 24-28                                                     | 1.18                                         | 1.70                                                     | 43.4                                          | 2.74                                |
| OA1901201329-31  | 28-32                                                     | 1.22                                         | 1.69                                                     | 38.8                                          | 2.76                                |
| OA1901201333-35  | 32-36                                                     | 1.15                                         | 1.58                                                     | 36.6                                          | 2.73                                |
| OA1901201337-39  | 36-40                                                     | 1.32                                         | 1.76                                                     | 33.4                                          | 2.73                                |
| OA1901201341     | 40-42                                                     | 1.22                                         | 1.67                                                     | 37.3                                          | 2.73                                |

Abbreviations

cm - Centimeter

g - Grams

Footnotes

<sup>1</sup> Per ASTM D7263-09, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>2</sup> Per ASTM D2216-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>3</sup> Per ASTM D854-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

**Table 26 - Testing Results for Sediment Core ID OA20012013 - Bulk Density, Moisture Content, and Specific Gravity**  
**First MNR Report**  
**Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)**  
**Los Angeles County, California**

| <b>Sample ID</b> | <b>Representative depth interval in sediment bed (cm)</b> | <b>Bulk density (dry) (g/cm<sup>3</sup>)</b> | <b>Bulk density (wet)<sup>1</sup> (g/cm<sup>3</sup>)</b> | <b>Moisture Content<sup>2</sup> (percent)</b> | <b>Specific gravity<sup>3</sup></b> |
|------------------|-----------------------------------------------------------|----------------------------------------------|----------------------------------------------------------|-----------------------------------------------|-------------------------------------|
| OA2001201301     | 0-2                                                       | 0.96                                         | 1.55                                                     | 62.0                                          | 2.68                                |
| OA2001201303     | 2-4                                                       | 1.06                                         | 1.58                                                     | 48.2                                          | 2.79                                |
| OA2001201305     | 4-6                                                       | 1.13                                         | 1.61                                                     | 43.1                                          | 2.65                                |
| OA2001201307     | 6-8                                                       | 1.12                                         | 1.65                                                     | 48.2                                          | 2.66                                |
| OA2001201309-11  | 8-12                                                      | 1.11                                         | 1.64                                                     | 47.1                                          | 2.72                                |
| OA2001201313-15  | 12-16                                                     | 1.13                                         | 1.65                                                     | 46.4                                          | 2.70                                |
| OA2001201317-19  | 16-20                                                     | 1.22                                         | 1.71                                                     | 39.6                                          | 2.70                                |
| OA2001201321-23  | 20-24                                                     | 1.10                                         | 1.58                                                     | 43.2                                          | 2.67                                |
| OA2001201325-27  | 24-28                                                     | 1.17                                         | 1.67                                                     | 42.8                                          | 2.74                                |
| OA2001201329-31  | 28-32                                                     | 1.19                                         | 1.66                                                     | 39.8                                          | 2.73                                |
| OA2001201333-35  | 32-36                                                     | 1.08                                         | 1.62                                                     | 50.6                                          | 2.75                                |
| OA2001201337-39  | 36-40                                                     | 1.07                                         | 1.60                                                     | 49.8                                          | 2.77                                |
| OA2001201341-43  | 40-44                                                     | 1.12                                         | 1.62                                                     | 44.3                                          | 2.71                                |
| OA2001201345-47  | 44-48                                                     | 1.14                                         | 1.66                                                     | 45.3                                          | 2.70                                |
| OA2001201349-51  | 48-52                                                     | 1.16                                         | 1.64                                                     | 40.8                                          | 2.72                                |
| OA2001201353     | 52-54                                                     | 1.22                                         | 1.74                                                     | 41.9                                          | 2.72                                |

Abbreviations

cm - Centimeter

g - Grams

Footnotes

<sup>1</sup> Per ASTM D7263-09, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>2</sup> Per ASTM D2216-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>3</sup> Per ASTM D854-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

**Table 27 - Testing Results for Sediment Core ID OA21012013 - Bulk Density, Moisture Content, and Specific Gravity**  
**First MNR Report**  
**Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)**  
**Los Angeles County, California**

| <b>Sample ID</b> | <b>Representative depth interval in sediment bed (cm)</b> | <b>Bulk density (dry) (g/cm<sup>3</sup>)</b> | <b>Bulk density (wet)<sup>1</sup> (g/cm<sup>3</sup>)</b> | <b>Moisture Content<sup>2</sup> (percent)</b> | <b>Specific gravity<sup>3</sup></b> |
|------------------|-----------------------------------------------------------|----------------------------------------------|----------------------------------------------------------|-----------------------------------------------|-------------------------------------|
| OA2101201301     | 0-2                                                       | 0.83                                         | 1.37                                                     | 64.4                                          | 2.64                                |
| OA2101201303     | 2-4                                                       | 0.94                                         | 1.54                                                     | 64.1                                          | 2.79                                |
| OA2101201305     | 4-6                                                       | 1.05                                         | 1.57                                                     | 48.7                                          | 2.65                                |
| OA2101201307     | 6-8                                                       | 0.94                                         | 1.53                                                     | 62.8                                          | 2.70                                |
| OA2101201309-11  | 8-12                                                      | 1.00                                         | 1.54                                                     | 53.6                                          | 2.68                                |
| OA2101201313-15  | 12-16                                                     | 1.18                                         | 1.67                                                     | 42.4                                          | 2.70                                |

Abbreviations

cm - Centimeter

g - Grams

Footnotes

<sup>1</sup> Per ASTM D7263-09, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>2</sup> Per ASTM D2216-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>3</sup> Per ASTM D854-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

**Table 28 - Testing Results for Sediment Core ID OA22012013 - Bulk Density, Moisture Content, and Specific Gravity**  
**First MNR Report**  
**Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)**  
**Los Angeles County, California**

| <b>Sample ID</b> | <b>Representative depth interval in sediment bed (cm)</b> | <b>Bulk density (dry) (g/cm<sup>3</sup>)</b> | <b>Bulk density (wet)<sup>1</sup> (g/cm<sup>3</sup>)</b> | <b>Moisture Content<sup>2</sup> (percent)</b> | <b>Specific gravity<sup>3</sup></b> |
|------------------|-----------------------------------------------------------|----------------------------------------------|----------------------------------------------------------|-----------------------------------------------|-------------------------------------|
| OA2201201301     | 0-2                                                       | 0.94                                         | 1.48                                                     | 56.9                                          | 2.78                                |
| OA2201201303     | 2-4                                                       | 1.09                                         | 1.59                                                     | 45.5                                          | 2.68                                |
| OA2201201305     | 4-6                                                       | 1.07                                         | 1.60                                                     | 49.0                                          | 2.75                                |
| OA2201201307     | 6-8                                                       | 0.96                                         | 1.49                                                     | 56.3                                          | 2.65                                |
| OA2201201309-11  | 8-12                                                      | 0.84                                         | 1.47                                                     | 75.1                                          | 2.64                                |
| OA2201201313-15  | 12-16                                                     | 0.95                                         | 1.56                                                     | 63.4                                          | 2.66                                |
| OA2201201317-19  | 16-20                                                     | 1.13                                         | 1.65                                                     | 46.5                                          | 2.76                                |
| OA2201201321-23  | 20-24                                                     | 1.14                                         | 1.67                                                     | 45.9                                          | 2.74                                |
| OA2201201325-27  | 24-28                                                     | 1.27                                         | 1.73                                                     | 36.6                                          | 2.75                                |
| OA2201201329-31  | 28-32                                                     | 1.29                                         | 1.74                                                     | 34.7                                          | 2.84                                |
| OA2201201333-35  | 32-36                                                     | 1.30                                         | 1.80                                                     | 38.0                                          | 2.74                                |

Abbreviations

cm - Centimeter

g - Grams

Footnotes

<sup>1</sup> Per ASTM D7263-09, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>2</sup> Per ASTM D2216-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>3</sup> Per ASTM D854-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

**Table 29 - Testing Results for Sediment Core ID OA22022013 - Bulk Density, Moisture Content, and Specific Gravity**  
**First MNR Report**  
**Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)**  
**Los Angeles County, California**

| <b>Sample ID</b> | <b>Representative depth interval in sediment bed (cm)</b> | <b>Bulk density (dry) (g/cm<sup>3</sup>)</b> | <b>Bulk density (wet)<sup>1</sup> (g/cm<sup>3</sup>)</b> | <b>Moisture Content<sup>2</sup> (percent)</b> | <b>Specific gravity<sup>3</sup></b> |
|------------------|-----------------------------------------------------------|----------------------------------------------|----------------------------------------------------------|-----------------------------------------------|-------------------------------------|
| OA2202201301     | 0-2                                                       | 1.00                                         | 1.58                                                     | 57.3                                          | 2.72                                |
| OA2202201303     | 2-4                                                       | 1.10                                         | 1.62                                                     | 48.0                                          | 2.64                                |
| OA2202201305     | 4-6                                                       | 1.14                                         | 1.68                                                     | 47.5                                          | 2.78                                |
| OA2202201307     | 6-8                                                       | 1.17                                         | 1.68                                                     | 43.6                                          | 2.73                                |
| OA2202201309-11  | 8-12                                                      | 1.18                                         | 1.70                                                     | 44.0                                          | 2.72                                |
| OA2202201313-15  | 12-16                                                     | 0.99                                         | 1.47                                                     | 49.0                                          | 2.65                                |
| OA2202201317-19  | 16-20                                                     | 1.01                                         | 1.56                                                     | 53.7                                          | 2.72                                |
| OA2202201321-23  | 20-24                                                     | 1.22                                         | 1.69                                                     | 38.3                                          | 2.68                                |
| OA2202201325-27  | 24-28                                                     | 1.26                                         | 1.73                                                     | 36.4                                          | 2.73                                |
| OA2202201329-31  | 28-32                                                     | 1.25                                         | 1.76                                                     | 40.7                                          | 2.71                                |
| OA2202201333-35  | 32-36                                                     | 1.31                                         | 1.80                                                     | 38.1                                          | 2.72                                |
| OA2202201337-39  | 36-40                                                     | 1.26                                         | 1.76                                                     | 39.9                                          | 2.69                                |

Abbreviations

cm - Centimeter

g - Grams

Footnotes

<sup>1</sup> Per ASTM D7263-09, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>2</sup> Per ASTM D2216-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>3</sup> Per ASTM D854-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

**Table 30 - Testing Results for Sediment Core ID OA23012013 - Bulk Density, Moisture Content, and Specific Gravity**  
**First MNR Report**  
**Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)**  
**Los Angeles County, California**

| <b>Sample ID</b> | <b>Representative depth interval in sediment bed (cm)</b> | <b>Bulk density (dry) (g/cm<sup>3</sup>)</b> | <b>Bulk density (wet)<sup>1</sup> (g/cm<sup>3</sup>)</b> | <b>Moisture Content<sup>2</sup> (percent)</b> | <b>Specific gravity<sup>3</sup></b> |
|------------------|-----------------------------------------------------------|----------------------------------------------|----------------------------------------------------------|-----------------------------------------------|-------------------------------------|
| OA2301201301     | 0-2                                                       | 0.93                                         | 1.52                                                     | 64.0                                          | 2.77                                |
| OA2301201303     | 2-4                                                       | 0.96                                         | 1.54                                                     | 60.5                                          | 2.72                                |
| OA2301201305     | 4-6                                                       | 1.03                                         | 1.57                                                     | 53.0                                          | 2.72                                |
| OA2301201307     | 6-8                                                       | 1.07                                         | 1.59                                                     | 49.2                                          | 2.74                                |
| OA2301201309-11  | 8-12                                                      | 1.12                                         | 1.65                                                     | 47.2                                          | 2.68                                |
| OA2301201313-15  | 12-16                                                     | 1.10                                         | 1.61                                                     | 46.9                                          | 2.67                                |
| OA2301201317-19  | 16-20                                                     | 1.05                                         | 1.63                                                     | 54.6                                          | 2.69                                |
| OA2301201321-23  | 20-24                                                     | 0.99                                         | 1.57                                                     | 57.6                                          | 2.69                                |
| OA2301201325-27  | 24-28                                                     | 0.92                                         | 1.50                                                     | 62.0                                          | 2.64                                |
| OA2301201329-31  | 28-32                                                     | 0.92                                         | 1.53                                                     | 65.8                                          | 2.71                                |
| OA2301201333-35  | 32-36                                                     | 1.09                                         | 1.67                                                     | 52.6                                          | 2.71                                |
| OA2301201337-39  | 36-40                                                     | 1.07                                         | 1.60                                                     | 49.3                                          | 2.68                                |
| OA2301201341-43  | 40-44                                                     | 1.10                                         | 1.62                                                     | 46.6                                          | 2.77                                |
| OA2301201345-47  | 44-48                                                     | 1.21                                         | 1.66                                                     | 37.4                                          | 2.70                                |
| OA2301201349     | 48-50                                                     | 1.13                                         | 1.66                                                     | 47.4                                          | 2.70                                |

Abbreviations

cm - Centimeter

g - Grams

Footnotes

<sup>1</sup> Per ASTM D7263-09, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>2</sup> Per ASTM D2216-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>3</sup> Per ASTM D854-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

**Table 31 - Testing Results for Sediment Core ID OA24012013 - Bulk Density, Moisture Content, and Specific Gravity**  
**First MNR Report**  
**Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)**  
**Los Angeles County, California**

| <b>Sample ID</b> | <b>Representative depth interval in sediment bed (cm)</b> | <b>Bulk density (dry) (g/cm<sup>3</sup>)</b> | <b>Bulk density (wet)<sup>1</sup> (g/cm<sup>3</sup>)</b> | <b>Moisture Content<sup>2</sup> (percent)</b> | <b>Specific gravity<sup>3</sup></b> |
|------------------|-----------------------------------------------------------|----------------------------------------------|----------------------------------------------------------|-----------------------------------------------|-------------------------------------|
| OA2401201301     | 0-2                                                       | 1.02                                         | 1.56                                                     | 52.4                                          | 2.74                                |
| OA2401201303     | 2-4                                                       | 1.09                                         | 1.62                                                     | 48.4                                          | 2.71                                |
| OA2401201305     | 4-6                                                       | 1.01                                         | 1.57                                                     | 55.3                                          | 2.71                                |
| OA2401201307     | 6-8                                                       | 1.04                                         | 1.58                                                     | 52.3                                          | 2.77                                |
| OA2401201309-11  | 8-12                                                      | 1.07                                         | 1.67                                                     | 55.4                                          | 2.67                                |
| OA2401201313-15  | 12-16                                                     | 1.26                                         | 1.69                                                     | 34.4                                          | 2.70                                |
| OA2401201317-19  | 16-20                                                     | 1.23                                         | 1.72                                                     | 40.0                                          | 2.72                                |
| OA2401201321     | 20-22                                                     | 1.22                                         | 1.70                                                     | 39.8                                          | 2.75                                |

Abbreviations

cm - Centimeter

g - Grams

Footnotes

<sup>1</sup> Per ASTM D7263-09, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>2</sup> Per ASTM D2216-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>3</sup> Per ASTM D854-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

**Table 32 - Testing Results for Sediment Core ID OA25012013 - Bulk Density, Moisture Content, and Specific Gravity**  
**First MNR Report**  
**Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)**  
**Los Angeles County, California**

| <b>Sample ID</b> | <b>Representative depth interval in sediment bed (cm)</b> | <b>Bulk density (dry) (g/cm<sup>3</sup>)</b> | <b>Bulk density (wet)<sup>1</sup> (g/cm<sup>3</sup>)</b> | <b>Moisture Content<sup>2</sup> (percent)</b> | <b>Specific gravity<sup>3</sup></b> |
|------------------|-----------------------------------------------------------|----------------------------------------------|----------------------------------------------------------|-----------------------------------------------|-------------------------------------|
| OA2501201301     | 0-2                                                       | 0.95                                         | 1.53                                                     | 60.7                                          | 2.72                                |
| OA2501201303     | 2-4                                                       | 1.09                                         | 1.60                                                     | 47.0                                          | 2.66                                |
| OA2501201305     | 4-6                                                       | 1.15                                         | 1.67                                                     | 44.9                                          | 2.64                                |
| OA2501201307     | 6-8                                                       | 1.17                                         | 1.67                                                     | 42.3                                          | 2.79                                |
| OA2501201309-11  | 8-12                                                      | 1.24                                         | 1.72                                                     | 38.9                                          | 2.71                                |
| OA2501201313-15  | 12-16                                                     | 1.16                                         | 1.68                                                     | 45.8                                          | 2.68                                |
| OA2501201317-19  | 16-20                                                     | 1.18                                         | 1.66                                                     | 39.9                                          | 2.67                                |
| OA2501201321.23  | 20-24                                                     | 1.19                                         | 1.72                                                     | 44.2                                          | 2.68                                |
| OA2501201325.27  | 24-28                                                     | 1.08                                         | 1.64                                                     | 52.1                                          | 2.68                                |
| OA2501201329-31  | 28-32                                                     | 1.16                                         | 1.65                                                     | 42.7                                          | 2.66                                |
| OA2501201333-35  | 32-36                                                     | 1.29                                         | 1.78                                                     | 37.4                                          | 2.70                                |

**Abbreviations**

cm - Centimeter

g - Grams

**Footnotes**

<sup>1</sup> Per ASTM D7263-09, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>2</sup> Per ASTM D2216-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>3</sup> Per ASTM D854-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

**Table 33 - Testing Results for Sediment Core ID OA26012013 - Bulk Density, Moisture Content, and Specific Gravity**  
**First MNR Report**  
**Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)**  
**Los Angeles County, California**

| <b>Sample ID</b> | <b>Representative depth interval in sediment bed (cm)</b> | <b>Bulk density (dry) (g/cm3)</b> | <b>Bulk density (wet)<sup>1</sup> (g/cm3)</b> | <b>Moisture Content<sup>2</sup> (percent)</b> | <b>Specific gravity<sup>3</sup></b> |
|------------------|-----------------------------------------------------------|-----------------------------------|-----------------------------------------------|-----------------------------------------------|-------------------------------------|
| OA2601201301     | 0-2                                                       | 0.57                              | 1.34                                          | 133.4                                         | 2.60                                |
| OA2601201303     | 2-4                                                       | 0.74                              | 1.39                                          | 87.7                                          | 2.73                                |
| OA2601201305     | 4-6                                                       | 0.76                              | 1.40                                          | 85.4                                          | 2.66                                |
| OA2601201307     | 6-8                                                       | 0.78                              | 1.41                                          | 81.0                                          | 2.51                                |
| OA2601201309-11  | 8-12                                                      | 0.73                              | 1.34                                          | 83.3                                          | 2.53                                |
| OA2601201313-15  | 12-16                                                     | 0.57                              | 1.28                                          | 125.3                                         | 2.50                                |
| OA2601201317-19  | 16-20                                                     | 0.42                              | 1.17                                          | 180.5                                         | 2.48                                |
| OA2601201321-23  | 20-24                                                     | 0.40                              | 1.21                                          | 203.9                                         | 2.52                                |
| OA2601201325-27  | 24-28                                                     | 0.45                              | 1.15                                          | 157.8                                         | 2.48                                |
| OA2601201329-31  | 28-32                                                     | 0.55                              | 1.17                                          | 113.0                                         | 2.45                                |
| OA2601201333-35  | 32-36                                                     | 0.41                              | 1.20                                          | 192.2                                         | 2.53                                |
| OA2601201337-39  | 36-40                                                     | 0.46                              | 1.19                                          | 154.9                                         | 2.24                                |
| OA2601201341-43  | 40-44                                                     | 0.37                              | 1.15                                          | 206.6                                         | 2.38                                |
| OA2601201345-47  | 44-48                                                     | 0.75                              | 1.37                                          | 82.6                                          | 2.62                                |
| OA2601201349-51  | 48-52                                                     | 0.90                              | 1.42                                          | 58.4                                          | 2.58                                |
| OA2601201353-55  | 52-56                                                     | 1.08                              | 1.60                                          | 47.7                                          | 2.71                                |
| OA2601201357-59  | 56-60                                                     | 1.15                              | 1.69                                          | 45.9                                          | 2.71                                |
| OA2601201361-63  | 60-64                                                     | 1.09                              | 1.61                                          | 47.0                                          | 2.71                                |
| OA2601201365-67  | 64-68                                                     | 1.11                              | 1.61                                          | 45.0                                          | 2.72                                |
| OA2601201369-71  | 68-72                                                     | 1.22                              | 1.76                                          | 44.0                                          | 2.73                                |

Abbreviations

cm - Centimeter

g - Grams

Footnotes

<sup>1</sup> Per ASTM D7263-09, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>2</sup> Per ASTM D2216-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>3</sup> Per ASTM D854-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

**Table 34 - Testing Results for Sediment Core ID OA27012013 - Bulk Density, Moisture Content, and Specific Gravity**  
**First MNR Report**  
**Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)**  
**Los Angeles County, California**

| <b>Sample ID</b> | <b>Representative depth interval in sediment bed (cm)</b> | <b>Bulk density (dry) (g/cm<sup>3</sup>)</b> | <b>Bulk density (wet)<sup>1</sup> (g/cm<sup>3</sup>)</b> | <b>Moisture Content<sup>2</sup> (percent)</b> | <b>Specific gravity<sup>3</sup></b> |
|------------------|-----------------------------------------------------------|----------------------------------------------|----------------------------------------------------------|-----------------------------------------------|-------------------------------------|
| OA2701201301     | 0-2                                                       | 0.63                                         | 1.43                                                     | 127.8                                         | 2.60                                |
| OA2701201303     | 2-4                                                       | 0.82                                         | 1.46                                                     | 79.0                                          | 2.65                                |
| OA2701201305     | 4-6                                                       | 0.97                                         | 1.53                                                     | 58.5                                          | 2.67                                |
| OA2701201307     | 6-8                                                       | 1.17                                         | 1.63                                                     | 39.6                                          | 2.78                                |
| OA2701201309-11  | 8-12                                                      | 0.53                                         | 1.39                                                     | 160.3                                         | 2.69                                |
| OA2701201313-15  | 12-16                                                     | 0.76                                         | 1.16                                                     | 52.6                                          | 2.39                                |
| OA2701201317-19  | 16-20                                                     | 0.47                                         | 1.22                                                     | 159.5                                         | 2.38                                |
| OA2701201321-23  | 20-24                                                     | 0.61                                         | 1.18                                                     | 93.2                                          | 2.56                                |
| OA2701201325-27  | 24-28                                                     | 0.39                                         | 1.22                                                     | 211.0                                         | 2.29                                |

Abbreviations

cm - Centimeter

g - Grams

Footnotes

<sup>1</sup> Per ASTM D7263-09, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>2</sup> Per ASTM D2216-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>3</sup> Per ASTM D854-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

**Table 35 - Testing Results for Sediment Core ID OA28012013 - Bulk Density, Moisture Content, and Specific Gravity**  
**First MNR Report**  
**Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)**  
**Los Angeles County, California**

| <b>Sample ID</b> | <b>Representative depth interval in sediment bed (cm)</b> | <b>Bulk density (dry) (g/cm<sup>3</sup>)</b> | <b>Bulk density (wet)<sup>1</sup> (g/cm<sup>3</sup>)</b> | <b>Moisture Content<sup>2</sup> (percent)</b> | <b>Specific gravity<sup>3</sup></b> |
|------------------|-----------------------------------------------------------|----------------------------------------------|----------------------------------------------------------|-----------------------------------------------|-------------------------------------|
| OA2801201301     | 0-2                                                       | 0.62                                         | 1.33                                                     | 114.2                                         | 2.72                                |
| OA2801201303     | 2-4                                                       | 0.82                                         | 1.45                                                     | 77.3                                          | 2.69                                |
| OA2801201305     | 4-6                                                       | 0.85                                         | 1.48                                                     | 73.6                                          | 2.69                                |
| OA2801201307     | 6-8                                                       | 0.66                                         | 1.36                                                     | 107.2                                         | 2.65                                |
| OA2801201309-11  | 8-12                                                      | 0.59                                         | 1.46                                                     | 147.1                                         | 2.62                                |
| OA2801201313-15  | 12-16                                                     | 0.59                                         | 1.34                                                     | 127.6                                         | 2.61                                |
| OA2801201317-19  | 16-20                                                     | 0.74                                         | 1.34                                                     | 82.2                                          | 2.61                                |
| OA2801201321-23  | 20-24                                                     | 0.92                                         | 1.52                                                     | 65.4                                          | 2.61                                |
| OA2801201325-27  | 24-28                                                     | 1.13                                         | 1.68                                                     | 49.0                                          | 2.70                                |
| OA2801201329-31  | 28-32                                                     | 1.19                                         | 1.67                                                     | 40.3                                          | 2.67                                |
| OA2801201333-35  | 32-36                                                     | 1.22                                         | 1.69                                                     | 38.2                                          | 2.76                                |
| OA2801201337-39  | 36-40                                                     | 1.07                                         | 1.58                                                     | 47.5                                          | 2.72                                |
| OA2801201341-43  | 40-44                                                     | 1.29                                         | 1.78                                                     | 38.2                                          | 2.74                                |
| OA2801201345     | 44-46                                                     | 1.25                                         | 1.74                                                     | 38.8                                          | 2.68                                |

Abbreviations

cm - Centimeter

g - Grams

Footnotes

<sup>1</sup> Per ASTM D7263-09, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>2</sup> Per ASTM D2216-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>3</sup> Per ASTM D854-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

**Table 36 - Testing Results for Sediment Core ID OA29012013 - Bulk Density, Moisture Content, and Specific Gravity**  
**First MNR Report**  
**Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)**  
**Los Angeles County, California**

| <b>Sample ID</b> | <b>Representative depth interval in sediment bed (cm)</b> | <b>Bulk density (dry) (g/cm<sup>3</sup>)</b> | <b>Bulk density (wet)<sup>1</sup> (g/cm<sup>3</sup>)</b> | <b>Moisture Content<sup>2</sup> (percent)</b> | <b>Specific gravity<sup>3</sup></b> |
|------------------|-----------------------------------------------------------|----------------------------------------------|----------------------------------------------------------|-----------------------------------------------|-------------------------------------|
| OA2901201301     | 0-2                                                       | 0.50                                         | 1.32                                                     | 166.7                                         | 2.71                                |
| OA2901201303     | 2-4                                                       | 0.52                                         | 1.25                                                     | 141.3                                         | 2.66                                |
| OA2901201305     | 4-6                                                       | 0.63                                         | 1.24                                                     | 96.6                                          | 2.62                                |
| OA2901201307     | 6-8                                                       | 0.53                                         | 1.25                                                     | 137.5                                         | 2.72                                |
| OA2901201309-11  | 8-12                                                      | 0.58                                         | 1.29                                                     | 122.4                                         | 2.56                                |
| OA2901201313-15  | 12-16                                                     | 0.53                                         | 1.24                                                     | 136.4                                         | 2.64                                |
| OA2901201317-19  | 16-20                                                     | 0.88                                         | 1.33                                                     | 52.1                                          | 2.69                                |
| OA2901201321-23  | 20-24                                                     | 1.09                                         | 1.62                                                     | 49.0                                          | 2.74                                |
| OA2901201325-27  | 24-28                                                     | 1.15                                         | 1.61                                                     | 40.1                                          | 2.74                                |
| OA2901201329-31  | 28-32                                                     | 1.10                                         | 1.60                                                     | 45.3                                          | 2.72                                |
| OA2901201333-35  | 32-36                                                     | 1.20                                         | 1.69                                                     | 40.5                                          | 2.73                                |
| OA2901201337-39  | 36-40                                                     | 1.23                                         | 1.70                                                     | 38.4                                          | 2.75                                |
| OA2901201341-43  | 40-44                                                     | 1.21                                         | 1.69                                                     | 40.2                                          | 2.77                                |
| OA2901201345-47  | 44-48                                                     | 1.21                                         | 1.67                                                     | 37.9                                          | 2.79                                |
| OA2901201349-51  | 48-52                                                     | 1.42                                         | 1.95                                                     | 37.8                                          | 2.73                                |
| OA2901201353-55  | 52-56                                                     | 1.33                                         | 1.78                                                     | 34.0                                          | 2.74                                |

**Abbreviations**

cm - Centimeter

g - Grams

**Footnotes**

<sup>1</sup> Per ASTM D7263-09, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>2</sup> Per ASTM D2216-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>3</sup> Per ASTM D854-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

**Table 37 - Testing Results for Sediment Core ID OA30012013 - Bulk Density, Moisture Content, and Specific Gravity**  
**First MNR Report**  
**Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)**  
**Los Angeles County, California**

| <b>Sample ID</b> | <b>Representative depth interval in sediment bed (cm)</b> | <b>Bulk density (dry) (g/cm<sup>3</sup>)</b> | <b>Bulk density (wet)<sup>1</sup> (g/cm<sup>3</sup>)</b> | <b>Moisture Content<sup>2</sup> (percent)</b> | <b>Specific gravity<sup>3</sup></b> |
|------------------|-----------------------------------------------------------|----------------------------------------------|----------------------------------------------------------|-----------------------------------------------|-------------------------------------|
| OA3001201301     | 0-2                                                       | 0.72                                         | 1.35                                                     | 88.7                                          | 2.82                                |
| OA3001201303     | 2-4                                                       | 0.97                                         | 1.56                                                     | 60.2                                          | 2.75                                |
| OA3001201305     | 4-6                                                       | 0.99                                         | 1.52                                                     | 53.5                                          | 2.64                                |
| OA3001201307     | 6-8                                                       | 0.95                                         | 1.56                                                     | 64.9                                          | 2.70                                |
| OA3001201309-11  | 8-12                                                      | 0.92                                         | 1.53                                                     | 65.5                                          | 2.64                                |
| OA3001201313-15  | 12-16                                                     | 0.95                                         | 1.57                                                     | 64.3                                          | 2.62                                |
| OA3001201317-19  | 16-20                                                     | 0.81                                         | 1.42                                                     | 75.8                                          | 2.60                                |
| OA3001201321-23  | 20-24                                                     | 0.76                                         | 1.46                                                     | 90.9                                          | 2.61                                |
| OA3001201325-27  | 24-28                                                     | 0.68                                         | 1.38                                                     | 102.0                                         | 2.62                                |
| OA3001201329-31  | 28-32                                                     | 0.58                                         | 1.30                                                     | 124.1                                         | 2.54                                |
| OA3001201333-35  | 32-36                                                     | 0.60                                         | 1.21                                                     | 102.4                                         | 2.54                                |
| OA3001201337-39  | 36-40                                                     | 0.77                                         | 1.33                                                     | 72.2                                          | 2.65                                |
| OA3001201341-43  | 40-44                                                     | 0.87                                         | 1.45                                                     | 66.2                                          | 2.67                                |
| OA3001201345-47  | 44-48                                                     | 1.01                                         | 1.56                                                     | 54.5                                          | 2.64                                |
| OA3001201349-51  | 48-52                                                     | 1.06                                         | 1.56                                                     | 47.3                                          | 2.72                                |
| OA3001201353-55  | 52-56                                                     | 1.19                                         | 1.66                                                     | 39.9                                          | 2.73                                |
| OA3001201357-59  | 56-60                                                     | 1.11                                         | 1.60                                                     | 44.8                                          | 2.72                                |
| OA3001201361-63  | 60-64                                                     | 1.20                                         | 1.67                                                     | 39.3                                          | 2.70                                |
| OA3001201365-67  | 64-68                                                     | 1.24                                         | 1.71                                                     | 37.9                                          | 2.70                                |
| OA3001201369     | 68-70                                                     | 1.19                                         | 1.69                                                     | 41.4                                          | 2.68                                |

Abbreviations

cm - Centimeter

g - Grams

Footnotes

<sup>1</sup> Per ASTM D7263-09, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>2</sup> Per ASTM D2216-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>3</sup> Per ASTM D854-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

**Table 38 - Testing Results for Sediment Core ID OA31012013 - Bulk Density, Moisture Content, and Specific Gravity**  
**First MNR Report**  
**Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)**  
**Los Angeles County, California**

| <b>Sample ID</b> | <b>Representative depth interval in sediment bed (cm)</b> | <b>Bulk density (dry) (g/cm<sup>3</sup>)</b> | <b>Bulk density (wet)<sup>1</sup> (g/cm<sup>3</sup>)</b> | <b>Moisture Content<sup>2</sup> (percent)</b> | <b>Specific gravity<sup>3</sup></b> |
|------------------|-----------------------------------------------------------|----------------------------------------------|----------------------------------------------------------|-----------------------------------------------|-------------------------------------|
| OA3101201301     | 0-2                                                       | 0.77                                         | 1.46                                                     | 90.0                                          | 2.78                                |
| OA3101201303     | 2-4                                                       | 0.92                                         | 1.48                                                     | 61.0                                          | 2.72                                |
| OA3101201305     | 4-6                                                       | 0.95                                         | 1.49                                                     | 57.0                                          | 2.69                                |
| OA3101201307     | 6-8                                                       | 0.85                                         | 1.42                                                     | 67.6                                          | 2.75                                |
| OA3101201309-11  | 8-12                                                      | 0.74                                         | 1.38                                                     | 85.1                                          | 2.60                                |
| OA3101201313-15  | 12-16                                                     | 0.56                                         | 1.25                                                     | 123.3                                         | 2.59                                |
| OA3101201317-19  | 16-20                                                     | 0.48                                         | 1.24                                                     | 157.0                                         | 2.54                                |
| OA3101201321-23  | 20-24                                                     | 0.50                                         | 1.16                                                     | 133.2                                         | 2.49                                |
| OA3101201325-27  | 24-28                                                     | 0.72                                         | 1.35                                                     | 87.0                                          | 2.54                                |
| OA3101201329-31  | 28-32                                                     | 0.84                                         | 1.44                                                     | 72.1                                          | 2.64                                |
| OA3101201333-35  | 32-36                                                     | 1.07                                         | 1.62                                                     | 51.7                                          | 2.67                                |
| OA3101201337.39  | 36-40                                                     | 1.11                                         | 1.62                                                     | 46.1                                          | 2.72                                |
| OA3101201341-43  | 40-44                                                     | 1.06                                         | 1.54                                                     | 45.7                                          | 2.77                                |
| OA3101201345-47  | 44-48                                                     | 1.23                                         | 1.71                                                     | 38.7                                          | 2.77                                |
| OA3101201349-51  | 48-52                                                     | 1.10                                         | 1.68                                                     | 52.3                                          | 2.73                                |
| OA3101201353-55  | 52-56                                                     | 1.22                                         | 1.72                                                     | 40.9                                          | 2.72                                |
| OA3101201357-59  | 56-60                                                     | 1.22                                         | 1.68                                                     | 37.1                                          | 2.70                                |
| OA3101201361-63  | 60-64                                                     | 1.28                                         | 1.74                                                     | 36.7                                          | 2.68                                |
| OA3101201365     | 64-66                                                     | 1.28                                         | 1.71                                                     | 33.6                                          | 2.62                                |

Abbreviations

cm - Centimeter

g - Grams

Footnotes

<sup>1</sup> Per ASTM D7263-09, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>2</sup> Per ASTM D2216-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>3</sup> Per ASTM D854-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

**Table 39 - Testing Results for Sediment Core ID OA32012013 - Bulk Density, Moisture Content, and Specific Gravity**  
**First MNR Report**  
**Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)**  
**Los Angeles County, California**

| <b>Sample ID</b> | <b>Representative depth interval in sediment bed (cm)</b> | <b>Bulk density (dry) (g/cm<sup>3</sup>)</b> | <b>Bulk density (wet)<sup>1</sup> (g/cm<sup>3</sup>)</b> | <b>Moisture Content<sup>2</sup> (percent)</b> | <b>Specific gravity<sup>3</sup></b> |
|------------------|-----------------------------------------------------------|----------------------------------------------|----------------------------------------------------------|-----------------------------------------------|-------------------------------------|
| OA3201201301     | 0-2                                                       | 0.83                                         | 1.45                                                     | 73.2                                          | 2.60                                |
| OA3201201303     | 2-4                                                       | 0.87                                         | 1.45                                                     | 67.2                                          | 2.65                                |
| OA3201201305     | 4-6                                                       | 0.90                                         | 1.49                                                     | 65.1                                          | 2.65                                |
| OA3201201307     | 6-8                                                       | 0.89                                         | 1.41                                                     | 59.3                                          | 2.61                                |
| OA3201201309-11  | 8-12                                                      | 0.60                                         | 1.29                                                     | 113.6                                         | 2.67                                |
| OA3201201313-15  | 12-16                                                     | 0.73                                         | 1.43                                                     | 97.8                                          | 2.45                                |
| OA3201201317-19  | 16-20                                                     | 0.78                                         | 1.39                                                     | 79.2                                          | 2.65                                |
| OA3201201321-23  | 20-24                                                     | 0.92                                         | 1.52                                                     | 64.7                                          | 2.72                                |
| OA3201201325-27  | 24-28                                                     | 1.03                                         | 1.60                                                     | 54.3                                          | 2.67                                |
| OA3201201329-31  | 28-32                                                     | 1.08                                         | 1.60                                                     | 47.8                                          | 2.71                                |
| OA3201201333-35  | 32-36                                                     | 1.05                                         | 1.63                                                     | 55.4                                          | 2.72                                |
| OA3201201337-39  | 36-40                                                     | 1.21                                         | 1.72                                                     | 42.3                                          | 2.70                                |
| OA3201201341-43  | 40-44                                                     | 1.18                                         | 1.72                                                     | 45.8                                          | 2.76                                |
| OA3201201345-47  | 44-48                                                     | 1.23                                         | 1.71                                                     | 38.4                                          | 2.73                                |

Abbreviations

cm - Centimeter

g - Grams

Footnotes

<sup>1</sup> Per ASTM D7263-09, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>2</sup> Per ASTM D2216-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>3</sup> Per ASTM D854-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

**Table 40 - Testing Results for Sediment Core ID OA33012013 - Bulk Density, Moisture Content, and Specific Gravity**  
**First MNR Report**  
**Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)**  
**Los Angeles County, California**

| <b>Sample ID</b> | <b>Representative depth<br/>interval in sediment bed<br/>(cm)</b> | <b>Bulk density (dry)<br/>(g/cm<sup>3</sup>)</b> | <b>Bulk density (wet)<sup>1</sup><br/>(g/cm<sup>3</sup>)</b> | <b>Moisture Content<sup>2</sup><br/>(percent)</b> | <b>Specific gravity<sup>3</sup></b> |
|------------------|-------------------------------------------------------------------|--------------------------------------------------|--------------------------------------------------------------|---------------------------------------------------|-------------------------------------|
| OA3301201301     | 0-2                                                               | 1.09                                             | 1.61                                                         | 47.0                                              | 2.72                                |
| OA3301201303     | 2-4                                                               | 1.20                                             | 1.66                                                         | 37.9                                              | 2.76                                |
| OA3301201305     | 4-6                                                               | 1.24                                             | 1.71                                                         | 38.1                                              | 2.73                                |
| OA3301201307     | 6-8                                                               | 1.26                                             | 1.70                                                         | 35.4                                              | 2.76                                |
| OA3301201309-11  | 8-12                                                              | 1.23                                             | 1.70                                                         | 38.2                                              | 2.72                                |
| OA3301201313-15  | 12-16                                                             | 1.21                                             | 1.66                                                         | 37.1                                              | 2.72                                |
| OA3301201317-19  | 16-20                                                             | 1.21                                             | 1.68                                                         | 39.3                                              | 2.73                                |
| OA3301201321-23  | 20-24                                                             | 1.24                                             | 1.70                                                         | 36.4                                              | 2.72                                |
| OA3301201325-27  | 24-28                                                             | 1.24                                             | 1.71                                                         | 37.6                                              | 2.72                                |
| OA3301201329     | 28-30                                                             | 1.24                                             | 1.74                                                         | 40.7                                              | 2.70                                |

Abbreviations

cm - Centimeter

g - Grams

Footnotes

<sup>1</sup> Per ASTM D7263-09, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>2</sup> Per ASTM D2216-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>3</sup> Per ASTM D854-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

**Table 41 - Testing Results for Sediment Core ID OA34012013 - Bulk Density, Moisture Content, and Specific Gravity**  
**First MNR Report**  
**Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)**  
**Los Angeles County, California**

| <b>Sample ID</b> | <b>Representative depth interval in sediment bed (cm)</b> | <b>Bulk density (dry) (g/cm<sup>3</sup>)</b> | <b>Bulk density (wet)<sup>1</sup> (g/cm<sup>3</sup>)</b> | <b>Moisture Content<sup>2</sup> (percent)</b> | <b>Specific gravity<sup>3</sup></b> |
|------------------|-----------------------------------------------------------|----------------------------------------------|----------------------------------------------------------|-----------------------------------------------|-------------------------------------|
| OA3401201301     | 0-2                                                       | 0.96                                         | 1.53                                                     | 58.6                                          | 2.73                                |
| OA3401201303     | 2-4                                                       | 0.86                                         | 1.44                                                     | 67.1                                          | 2.62                                |
| OA3401201305     | 4-6                                                       | 0.77                                         | 1.41                                                     | 81.4                                          | 2.67                                |
| OA3401201307     | 6-8                                                       | 0.85                                         | 1.47                                                     | 72.4                                          | 2.70                                |
| OA3401201309-11  | 8-12                                                      | 0.97                                         | 1.55                                                     | 59.9                                          | 2.69                                |
| OA3401201313-15  | 12-16                                                     | 1.13                                         | 1.66                                                     | 47.4                                          | 2.70                                |
| OA3401201317-19  | 16-20                                                     | 1.20                                         | 1.69                                                     | 40.9                                          | 2.73                                |
| OA3401201321-23  | 20-24                                                     | 1.21                                         | 1.67                                                     | 37.9                                          | 2.69                                |
| OA3401201325-27  | 24-28                                                     | 1.15                                         | 1.68                                                     | 46.2                                          | 2.71                                |
| OA3401201329-31  | 28-32                                                     | 1.28                                         | 1.75                                                     | 37.6                                          | 2.68                                |
| OA3401201333     | 32-34                                                     | 1.07                                         | 1.50                                                     | 41.2                                          | 2.73                                |

Abbreviations

cm - Centimeter

g - Grams

Footnotes

<sup>1</sup> Per ASTM D7263-09, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>2</sup> Per ASTM D2216-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>3</sup> Per ASTM D854-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

**Table 42 - Testing Results for Sediment Core ID OA35012013 - Bulk Density, Moisture Content, and Specific Gravity**  
**First MNR Report**  
**Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)**  
**Los Angeles County, California**

| <b>Sample ID</b> | <b>Representative depth interval in sediment bed (cm)</b> | <b>Bulk density (dry) (g/cm<sup>3</sup>)</b> | <b>Bulk density (wet)<sup>1</sup> (g/cm<sup>3</sup>)</b> | <b>Moisture Content<sup>2</sup> (percent)</b> | <b>Specific gravity<sup>3</sup></b> |
|------------------|-----------------------------------------------------------|----------------------------------------------|----------------------------------------------------------|-----------------------------------------------|-------------------------------------|
| OA3501201301     | 0-2                                                       | 0.71                                         | 1.45                                                     | 104.0                                         | 2.66                                |
| OA3501201303     | 2-4                                                       | 0.83                                         | 1.40                                                     | 69.0                                          | 2.61                                |
| OA3501201305     | 4-6                                                       | 0.83                                         | 1.42                                                     | 72.5                                          | 2.64                                |
| OA3501201307     | 6-8                                                       | 0.86                                         | 1.51                                                     | 75.7                                          | 2.69                                |
| OA3501201309-11  | 8-12                                                      | 1.10                                         | 1.69                                                     | 54.1                                          | 2.66                                |
| OA3501201313-15  | 12-16                                                     | 1.15                                         | 1.66                                                     | 44.1                                          | 2.71                                |
| OA3501201317-19  | 16-20                                                     | 1.21                                         | 1.70                                                     | 40.3                                          | 2.69                                |
| OA3501201321-23  | 20-24                                                     | 1.18                                         | 1.63                                                     | 37.8                                          | 2.68                                |
| OA3501201325-27  | 24-28                                                     | 1.21                                         | 1.67                                                     | 38.1                                          | 2.69                                |
| OA3501201329-31  | 28-32                                                     | 1.10                                         | 1.65                                                     | 49.0                                          | 2.72                                |
| OA3501201333-35  | 32-36                                                     | 1.05                                         | 1.57                                                     | 49.1                                          | 2.74                                |
| OA3501201337-39  | 36-40                                                     | 1.13                                         | 1.64                                                     | 45.3                                          | 2.74                                |
| OA3501201341-43  | 40-44                                                     | 1.20                                         | 1.71                                                     | 42.7                                          | 2.76                                |
| OA3501201345-47  | 44-48                                                     | 1.20                                         | 1.72                                                     | 43.7                                          | 2.74                                |
| OA3501201349-51  | 48-52                                                     | 1.17                                         | 1.69                                                     | 44.3                                          | 2.79                                |
| OA3501201353-55  | 52-56                                                     | 1.14                                         | 1.67                                                     | 46.0                                          | 2.71                                |

Abbreviations

cm - Centimeter

g - Grams

Footnotes

<sup>1</sup> Per ASTM D7263-09, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>2</sup> Per ASTM D2216-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California

<sup>3</sup> Per ASTM D854-10, GMU Geotechnical, Inc., Rancho Santa Margarita, California