

Table C-1a
Pier 1 North (Northern Section) Analytical Data

| Location ID | | | SD-N-C-01A-D | SD-N-C-01C-D | SD-N-C-03-D | SD-N-C-04A-D | SD-N-C-04B-D |
|--|---------------------------------|---|--------------------------|--------------------------|-------------------------|-------------------------|-------------------------|
| Sample ID | | | SD-N-C-01A-D-0535-150730 | SD-N-C-01C-D-0535-150730 | SD-N-C-03-D-0535-150812 | SD-N-C-4A-D-0535-150812 | SD-N-C-4B-D-0535-150812 |
| Sample Type | | | Discrete | Discrete | Discrete | Discrete | Discrete |
| Sample Date | | | 7/30/2015 | 7/30/2015 | 8/12/2015 | 8/12/2015 | 8/12/2015 |
| Dredging Pass | | | 1 | 1 | 2 | 2 | 1 |
| Sample Depth (feet MLLW) | | | -22 | -16 | -18.9 | -22.3 | -20 |
| Latitude | | | 32°41.558' | 32°41.563' | 32°41.551' | 32°41.539' | 32°41.527' |
| Longitude | | | 117°08.758' | 117°08.740' | 117°08.769' | 117°08.770' | 117°08.773' |
| Analyte | Post-remedial Dredge Conditions | 120% of Post-remedial Dredge Concentrations | | | | | |
| Conventional Parameters (%) | | | | | | | |
| Total Solids | - | - | 74.2 | 87.1 | 78.0 | 80.1 | 77.5 |
| Metals (mg/kg) | | | | | | | |
| Copper | 121 | 145 | 29.2 | 3.48 | 11.5 | 3.2 | 14.7 |
| Mercury | 0.57 | 0.68 | 0.00754 U | 0.00674 U | 0.0608 | 0.0483 | 0.0206 |
| HPAHs (µg/kg)¹ | | | | | | | |
| Benzo (a) Anthracene | - | - | 130 | 2.5 U | 13 J | 8.7 | 10 |
| Benzo (a) Pyrene | - | - | 150 | 2.1 U | 27 | 23 | 15 |
| Chrysene | - | - | 140 | 2.6 U | 15 | 10 | 13 |
| Dibenz (a,h) Anthracene | - | - | 32 | 2.2 U | 6.3 J | 4 | 2.9 |
| Fluoranthene | - | - | 280 | 2.1 U | 20 | 19 | 23 |
| Perylene | - | - | 30 | 2.7 U | 6.1 J | 6.1 | 4 |
| Total HPAHs (ND = 1/2 MDL) | 663 | 796 | 762 | 2.7 U | 87.4 J | 70.8 | 67.9 |
| Organotins (µg/kg) | | | | | | | |
| Tributyltin | 22 | 26 | 2.0 U | 1.7 U | 2.3 J | 3.7 U | 3.8 U |
| PCB Congeners (µg/kg)² | | | | | | | |
| PCB018 | - | - | 0.096 U | 0.082 U | 0.091 U | 0.089 U | 0.092 U |
| PCB028 | - | - | 0.045 U | 0.039 U | 0.043 U | 0.2 | 0.043 U |
| PCB037 | - | - | 0.081 U | 0.07 U | 0.077 U | 0.076 U | 0.078 U |
| PCB044 | - | - | 0.12 U | 0.1 U | 0.62 | 0.54 | 0.11 U |
| PCB049 | - | - | 0.15 U | 0.13 U | 0.4 | 0.35 | 0.19 J |
| PCB052 | - | - | 0.2 J | 0.072 U | 0.87 | 1.2 | 0.33 |
| PCB066 | - | - | 0.2 J | 0.12 U | 0.56 | 0.43 | 0.24 J |
| PCB070 | - | - | 0.22 J | 0.069 U | 0.72 | 0.72 | 0.28 |

**Table C-1a
Pier 1 North (Northern Section) Analytical Data**

| Location ID | | | SD-N-C-01A-D | SD-N-C-01C-D | SD-N-C-03-D | SD-N-C-04A-D | SD-N-C-04B-D |
|--------------------------|---------------------------------|---|--------------------------|--------------------------|-------------------------|-------------------------|-------------------------|
| Sample ID | | | SD-N-C-01A-D-0535-150730 | SD-N-C-01C-D-0535-150730 | SD-N-C-03-D-0535-150812 | SD-N-C-4A-D-0535-150812 | SD-N-C-4B-D-0535-150812 |
| Sample Type | | | Discrete | Discrete | Discrete | Discrete | Discrete |
| Sample Date | | | 7/30/2015 | 7/30/2015 | 8/12/2015 | 8/12/2015 | 8/12/2015 |
| Dredging Pass | | | 1 | 1 | 2 | 2 | 1 |
| Sample Depth (feet MLLW) | | | -22 | -16 | -18.9 | -22.3 | -20 |
| Latitude | | | 32°41.558' | 32°41.563' | 32°41.551' | 32°41.539' | 32°41.527' |
| Longitude | | | 117°08.758' | 117°08.740' | 117°08.769' | 117°08.770' | 117°08.773' |
| Analyte | Post-remedial Dredge Conditions | 120% of Post-remedial Dredge Concentrations | | | | | |
| PCB074 | - | - | 0.12 U | 0.1 U | 0.33 | 0.28 | 0.11 U |
| PCB077 | - | - | 0.1 U | 0.09 U | 0.099 U | 0.097 U | 0.10 U |
| PCB081 | - | - | 0.16 U | 0.14 U | 0.15 U | 0.15 U | 0.15 U |
| PCB087 | - | - | 0.14 U | 0.12 U | 0.8 | 1.1 | 0.14 U |
| PCB099 | - | - | 0.17 J | 0.07 U | 0.63 | 0.83 | 0.19 J |
| PCB101 | - | - | 0.44 | 0.11 U | 1.6 | 2.6 | 0.57 |
| PCB105 | - | - | 0.22 J | 0.063 U | 0.73 | 0.93 | 0.26 |
| PCB110 | - | - | 0.34 | 0.056 J | 1.4 | 2.2 | 0.51 |
| PCB114 | - | - | 0.11 U | 0.095 U | 0.10 U | 0.1 U | 0.11 U |
| PCB118 | - | - | 0.36 | 0.097 U | 1.3 | 2 | 0.54 |
| PCB119 | - | - | 0.13 U | 0.11 U | 0.12 U | 0.12 U | 0.12 U |
| PCB123 | - | - | 0.14 U | 0.12 U | 0.13 U | 0.13 U | 0.13 U |
| PCB126 | - | - | 0.11 U | 0.092 U | 0.10 U | 0.1 U | 0.10 u |
| PCB128 | - | - | 0.14 U | 0.12 U | 0.24 J | 0.47 | 0.13 U |
| PCB132/153 | - | - | 0.47 J | 0.2 U | 1.8 | 2.6 | 0.71 |
| PCB138/158 | - | - | 0.29 J | 0.11 U | 1.5 | 2.5 | 0.52 |
| PCB149 | - | - | 0.27 J | 0.11 U | 1 | 1.5 | 0.4 |
| PCB151 | - | - | 0.091 U | 0.078 U | 0.3 | 0.33 | 0.087 U |
| PCB156 | - | - | 0.078 U | 0.066 U | 0.27 | 0.35 | 0.074 U |
| PCB157 | - | - | 0.07 U | 0.06 U | 0.067 U | 0.06 U | 0.067 U |
| PCB167 | - | - | 0.083 U | 0.071 U | 0.079 U | 0.099 J | 0.080 U |
| PCB168 | - | - | 0.066 U | 0.056 U | 0.062 U | 0.061 U | 0.063 U |
| PCB169 | - | - | 0.082 U | 0.07 U | 0.078 U | 0.076 U | 0.063 U |
| PCB170 | - | - | 0.085 U | 0.073 U | 0.37 | 0.38 | 0.079 U |

**Table C-1a
Pier 1 North (Northern Section) Analytical Data**

| Location ID | | | SD-N-C-01A-D | SD-N-C-01C-D | SD-N-C-03-D | SD-N-C-04A-D | SD-N-C-04B-D |
|------------------------------------|---------------------------------|---|--------------------------|--------------------------|-------------------------|-------------------------|-------------------------|
| Sample ID | | | SD-N-C-01A-D-0535-150730 | SD-N-C-01C-D-0535-150730 | SD-N-C-03-D-0535-150812 | SD-N-C-4A-D-0535-150812 | SD-N-C-4B-D-0535-150812 |
| Sample Type | | | Discrete | Discrete | Discrete | Discrete | Discrete |
| Sample Date | | | 7/30/2015 | 7/30/2015 | 8/12/2015 | 8/12/2015 | 8/12/2015 |
| Dredging Pass | | | 1 | 1 | 2 | 2 | 1 |
| Sample Depth (feet MLLW) | | | -22 | -16 | -18.9 | -22.3 | -20 |
| Latitude | | | 32°41.558' | 32°41.563' | 32°41.551' | 32°41.539' | 32°41.527' |
| Longitude | | | 117°08.758' | 117°08.740' | 117°08.769' | 117°08.770' | 117°08.773' |
| Analyte | Post-remedial Dredge Conditions | 120% of Post-remedial Dredge Concentrations | | | | | |
| PCB177 | - | - | 0.12 U | 0.1 U | 0.15 J | 0.15 J | 0.18 J |
| PCB180 | - | - | 0.16 J | 0.048 U | 0.65 | 0.65 | 0.28 |
| PCB183 | - | - | 0.15 U | 0.13 U | 0.2 J | 0.14 U | 0.14 U |
| PCB187 | - | - | 0.11 U | 0.097 U | 0.43 | 0.28 | 0.18 J |
| PCB189 | - | - | 0.082 U | 0.07 U | 0.078 U | 0.077 U | 0.079 U |
| PCB194 | - | - | 0.15 U | 0.13 U | 0.14 U | 0.14 U | 0.14 U |
| PCB201 | - | - | 0.13 U | 0.11 U | 0.12 U | 0.12 U | 0.12 U |
| PCB206 | - | - | 0.26 U | 0.22 U | 0.25 U | 0.24 U | 0.25 U |
| Total PCB Congeners (ND = 1/2 MDL) | 84 | 101 | 4.94 J | 1.96 J | 17.8 J | 23.6 J | 6.71 J |

Notes:

Bold = detected result

 Detected concentration is greater than the Post-Remedial Dredge Area Concentration Level (Cleanup and Abatement Order [Water Board 2012])

U = indicates the compound or analyte was analyzed for but not detected at or greater than the MDL

J = estimated value

When totaling, if all individual analytes are non-detect, the total is equal to the highest detection limit reported. If there is a mix of detects and non-detects, non-detects are included in the sum at 1/2 the MDL.

1 Total HPAHs is the sum of six PAHs: fluoranthene, perylene, benzo(a)anthracene, chrysene, benzo(a)pyrene, and dibenzo(a,h)anthracene.

2 Total PCBs is the sum of 41 congeners: 18, 28, 37, 44, 49, 52, 66, 70, 74, 77, 81, 87, 99, 101, 105, 110, 114, 118, 119, 123, 126, 128, 138, 149, 151, 153, 156, 157, 158, 167, 168, 169, 170, 177, 180, 183, 187, 189, 194, 201, and 206.

µg/kg = micrograms per kilogram

HPAH = high-molecular weight polycyclic aromatic hydrocarbon

mg/kg = milligrams per kilogram

MDL = method detection limit

MLLW = mean lower low water

ND = non-detect

PAH = polycyclic aromatic hydrocarbon

PCB = polychlorinated biphenyl

**Table C-1b
Pier 1 North (Southern Section) Analytical Data**

| Location ID | SD-N-C-01B-D | SD-N-C-02-D | SD-N-C-05A-D | SD-N-C-05B-D | | |
|--|---------------------------------|---|-------------------------|--------------------------|----------|---------|
| Sample ID | SD-N-C-01B-D-0535-150505 | SD-N-C-02-D-0535-150509 | SD-N-C-5A-D-0535-151202 | SD-N-C-05B-D-0535-151121 | | |
| Sample Type | Discrete | Discrete | Discrete | Discrete | | |
| Sample Date | 5/5/2015 | 5/9/2015 | 12/2/2015 | 11/21/2015 | | |
| Dredging Pass | 2 | 3 | 4 | 3 | | |
| Sample Depth (feet MLLW) | -23.1 | -27.8 | -41.2 | -42.1 | | |
| Latitude | 32°41.546' | 32°41.542' | 32°41.523' | 32°41.514' | | |
| Longitude | 117°08.732' | 117°08.723' | 117°08.741' | 117°08.753' | | |
| Analyte | Post-remedial Dredge Conditions | 120% of Post-remedial Dredge Concentrations | | | | |
| Conventional Parameters (%) | | | | | | |
| Total Solids | - | - | 82.5 | 75.7 | 82 | 72.6 |
| Metals (mg/kg) | | | | | | |
| Copper | 121 | 145 | 27 | 13.7 | 12.5 | 66.5 |
| Mercury | 0.57 | 0.68 | 0.0383 | 0.00816 U | 0.0111 J | 0.228 |
| HPAHs (µg/kg)¹ | | | | | | |
| Benzo (a) Anthracene | - | - | 39 | 8.9 J | 2.6 U | 3.0 U |
| Benzo (a) Pyrene | - | - | 26 | 2.4 U | 2.2 U | 2.5 U |
| Chrysene | - | - | 38 | 8.1 J | 2.7 U | 3.1 U |
| Dibenz (a,h) Anthracene | - | - | 2.7 J | 2.6 U | 2.4 U | 2.7 U |
| Fluoranthene | - | - | 160 | 39 | 4.5 J | 2.5 U |
| Perylene | - | - | 7.3 J | 3.2 U | 2.9 U | 3.3 U |
| Total HPAHs (ND = 1/2 MDL) | 663 | 796 | 273 J | 60 J | 10.9 J | 3.3 U |
| Organotins (µg/kg) | | | | | | |
| Tributyltin | 22 | 26 | 19 | 1.9 U | 1.8 U | 2.0 U |
| PCB Congeners (µg/kg)² | | | | | | |
| PCB018 | - | - | 1.3 | 0.093 U | 0.087 U | 0.097 U |
| PCB028 | - | - | 1.1 | 0.044 U | 0.041 U | 0.046 U |
| PCB037 | - | - | 0.39 | 0.079 U | 0.074 U | 0.083 U |
| PCB044 | - | - | 2.9 | 0.25 J | 0.11 U | 0.12 U |
| PCB049 | - | - | 1.8 | 0.15 U | 0.14 U | 0.15 U |
| PCB052 | - | - | 6.2 | 0.38 | 0.077 U | 0.086 U |
| PCB066 | - | - | 2.1 | 0.15 J | 0.13 U | 0.14 U |
| PCB070 | - | - | 4.3 | 0.2 J | 0.073 U | 0.082 U |
| PCB074 | - | - | 1.2 | 0.11 U | 0.11 U | 0.12 U |

**Table C-1b
Pier 1 North (Southern Section) Analytical Data**

| Location ID | | SD-N-C-01B-D | SD-N-C-02-D | SD-N-C-05A-D | SD-N-C-05B-D | |
|--------------------------|---------------------------------|---|-------------------------|-------------------------|--------------------------|---------|
| Sample ID | | SD-N-C-01B-D-0535-150505 | SD-N-C-02-D-0535-150509 | SD-N-C-5A-D-0535-151202 | SD-N-C-05B-D-0535-151121 | |
| Sample Type | | Discrete | Discrete | Discrete | Discrete | |
| Sample Date | | 5/5/2015 | 5/9/2015 | 12/2/2015 | 11/21/2015 | |
| Dredging Pass | | 2 | 3 | 4 | 3 | |
| Sample Depth (feet MLLW) | | -23.1 | -27.8 | -41.2 | -42.1 | |
| Latitude | | 32°41.546' | 32°41.542' | 32°41.523' | 32°41.514' | |
| Longitude | | 117°08.732' | 117°08.723' | 117°08.741' | 117°08.753' | |
| Analyte | Post-remedial Dredge Conditions | 120% of Post-remedial Dredge Concentrations | | | | |
| PCB077 | - | - | 0.92 | 0.1 U | 0.095 U | 0.11 U |
| PCB081 | - | - | 0.15 U | 0.16 U | 0.15 U | 0.16 U |
| PCB087 | - | - | 3.5 | 0.21 J | 0.13 U | 0.15 U |
| PCB099 | - | - | 3.1 | 0.15 J | 0.074 U | 0.083 U |
| PCB101 | - | - | 9.7 | 0.46 | 0.12 U | 0.13 U |
| PCB105 | - | - | 2.7 | 0.15 J | 0.067 U | 0.075 U |
| PCB110 | - | - | 8.5 | 0.39 | 0.056 U | 0.063 U |
| PCB114 | - | - | 0.21 J | 0.11 U | 0.10 U | 0.11 U |
| PCB118 | - | - | 7.2 | 0.33 | 0.10 U | 0.12 U |
| PCB119 | - | - | 0.24 J | 0.12 U | 0.12 U | 0.13 U |
| PCB123 | - | - | 0.61 | 0.14 U | 0.13 U | 0.14 U |
| PCB126 | - | - | 0.097 U | 0.11 U | 0.098 U | 0.11 U |
| PCB128 | - | - | 1.7 | 0.13 U | 0.13 U | 0.14 U |
| PCB132/153 | - | - | 9.3 | 0.44 J | 0.21 U | 0.24 U |
| PCB138/158 | - | - | 8.6 | 0.42 J | 0.12 U | 0.13 U |
| PCB149 | - | - | 5.0 | 0.25 J | 0.12 U | 0.13 U |
| PCB151 | - | - | 1.1 | 0.092 J | 0.082 U | 0.092 U |
| PCB156 | - | - | 1.1 | 0.084 J | 0.071 U | 0.079 U |
| PCB157 | - | - | 0.30 | 0.069 U | 0.064 U | 0.072 U |
| PCB167 | - | - | 0.29 | 0.081 U | 0.076 U | 0.084 U |
| PCB168 | - | - | 0.059 U | 0.064 U | 0.060 U | 0.067 U |
| PCB169 | - | - | 0.099 J | 0.08 U | 0.075 U | 0.083 U |
| PCB170 | - | - | 1.3 | 0.13 J | 0.078 U | 0.087 U |
| PCB177 | - | - | 0.42 | 0.11 U | 0.11 U | 0.12 U |
| PCB180 | - | - | 1.9 | 0.12 J | 0.052 U | 0.058 U |

**Table C-1b
Pier 1 North (Southern Section) Analytical Data**

| Location ID | SD-N-C-01B-D | SD-N-C-02-D | SD-N-C-05A-D | SD-N-C-05B-D | | |
|------------------------------------|---------------------------------|---|-------------------------|--------------------------|---------|---------|
| Sample ID | SD-N-C-01B-D-0535-150505 | SD-N-C-02-D-0535-150509 | SD-N-C-5A-D-0535-151202 | SD-N-C-05B-D-0535-151121 | | |
| Sample Type | Discrete | Discrete | Discrete | Discrete | | |
| Sample Date | 5/5/2015 | 5/9/2015 | 12/2/2015 | 11/21/2015 | | |
| Dredging Pass | 2 | 3 | 4 | 3 | | |
| Sample Depth (feet MLLW) | -23.1 | -27.8 | -41.2 | -42.1 | | |
| Latitude | 32°41.546' | 32°41.542' | 32°41.523' | 32°41.514' | | |
| Longitude | 117°08.732' | 117°08.723' | 117°08.741' | 117°08.753' | | |
| Analyte | Post-remedial Dredge Conditions | 120% of Post-remedial Dredge Concentrations | | | | |
| PCB183 | - | - | 0.54 | 0.14 U | 0.14 U | 0.15 U |
| PCB187 | - | - | 0.90 | 0.11 U | 0.10 U | 0.12 U |
| PCB189 | - | - | 0.074 U | 0.08 U | 0.075 U | 0.084 U |
| PCB194 | - | - | 0.39 | 0.15 U | 0.14 U | 0.15 U |
| PCB201 | - | - | 0.12 U | 0.13 U | 0.12 U | 0.13 U |
| PCB206 | - | - | 0.23 U | 0.25 U | 0.24 U | 0.26 U |
| Total PCB Congeners (ND = 1/2 MDL) | 84 | 101 | 91 J | 5.5 J | 0.24 U | 0.26 U |

Notes:

Bold = detected result

 Detected concentration is greater than the Post-Remedial Dredge Area Concentration Level (Cleanup and Abatement Order [Water Board 2012])

U = indicates the compound or analyte was analyzed for but not detected at or greater than the MDL

J = estimated value

When totaling, if all individual analytes are non-detect, the total is equal to the highest detection limit reported. If there is a mix of detects and non-detects, non-detects are included in the sum at 1/2 the MDL.

1 Total HPAHs is the sum of six PAHs: fluoranthene, perylene, benzo(a)anthracene, chrysene, benzo(a)pyrene, and dibenzo(a,h)anthracene.

2 Total PCBs is the sum of 41 congeners: 18, 28, 37, 44, 49, 52, 66, 70, 74, 77, 81, 87, 99, 101, 105, 110, 114, 118, 119, 123, 126, 128, 138, 149, 151, 153, 156, 157, 158, 167, 168, 169, 170, 177, 180, 183, 187, 189, 194, 201, and 206.

µg/kg = micrograms per kilogram

HPAH = high-molecular weight polycyclic aromatic hydrocarbon

mg/kg = milligrams per kilogram

MDL = method detection limit

MLLW = mean lower low water

ND = non-detect

PAH = polycyclic aromatic hydrocarbon

PCB = polychlorinated biphenyl

**Table C-2
Pier 1 South Analytical Data**

| Location ID | | | SD-N-C-06-D | SD-N-C-07A-D | SD-N-C-07B-D | SD-N-C-08-D | SD-N-C-9D-D |
|--|---------------------------------|--|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| Sample ID | | | SD-N-C-06-D-0535-151202 | SD-N-C-7A-D-0535-151212 | SD-N-C-7B-D-0535-151218 | SD-N-C-08-D-0535-151212 | SD-N-C-9D-D-0535-151202 |
| Sample Type | | | Discrete | Discrete | Discrete | Discrete | Discrete |
| Sample Date | | | 12/2/2015 | 12/12/2015 | 12/18/2015 | 12/12/2015 | 12/2/2015 |
| Dredging Pass | | | 1 | 2 | 3 | 2 | 1 |
| Sample Depth (feet MLLW) | | | -21.4 | -20.7 | -29.9 | -42.2 | -38.4 |
| Latitude | | | 32°41.529' | 32°41.518' | 32°41.507' | 32°41.488' | 32°41.485' |
| Longitude | | | 117°08.698' | 117°08.707' | 117°08.722' | 117°08.734' | 117°08.749' |
| Analyte | Post-remedial Dredge Conditions | 120% of Post-remedial Dredge Concentrations ¹ | | | | | |
| Conventional Parameters (%) | | | | | | | |
| Total Solids | - | - | 79.9 | 76.7 | 82.2 | 82.6 | 72.5 |
| Metals (mg/kg) | | | | | | | |
| Copper | 121 | 145 | 48.6 | 23.6 | 5.43 | 7.68 | 113 |
| Mercury | 0.57 | 0.68 | 0.0153 | 0.135 | 0.00976 J | 0.00688 U | 0.131 |
| HPAHs (µg/kg)¹ | | | | | | | |
| Benzo (a) Anthracene | - | - | 9.5 J | 33 | 2.6 U | 2.6 U | 77 |
| Benzo (a) Pyrene | - | - | 8.5 J | 49 | 2.2 U | 2.2 U | 350 |
| Chrysene | - | - | 8.8 J | 39 | 2.7 U | 2.7 U | 110 |
| Dibenz (a,h) Anthracene | - | - | 2.5 U | 9.4 J | 2.4 U | 2.4 U | 61 |
| Fluoranthene | - | - | 32 | 110 | 2.2 U | 2.2 U | 95 |
| Perylene | - | - | 3.0 U | 11 J | 2.9 U | 2.9 U | 43 |
| Total HPAHs (ND = 1/2) | 663 | 796 | 61.55 | 251.4 J | 2.9 U | 2.9 U | 736 |
| Organotins (µg/kg) | | | | | | | |
| Tributyltin | 22 | 26 | 2.5 | 12 | 1.8 U | 1.8 U | 130 |
| PCB Congeners (µg/kg)² | | | | | | | |
| PCB018 | - | - | 0.089 U | 3.7 | 0.086 U | 0.086 U | 4.9 |
| PCB028 | - | - | 0.042 U | 2.1 | 0.041 U | 0.041 U | 2.8 |
| PCB037 | - | - | 0.076 U | 0.41 | 0.073 U | 0.073 U | 0.99 |
| PCB044 | - | - | 0.11 U | 3.3 | 0.11 U | 0.11 U | 5 |
| PCB049 | - | - | 0.14 U | 3.4 | 0.14 U | 0.14 U | 5.7 |
| PCB052 | - | - | 0.078 U | 6.3 | 0.076 U | 0.076 U | 9.1 |
| PCB066 | - | - | 0.13 U | 3.5 | 0.12 U | 0.12 U | 5.4 |
| PCB070 | - | - | 0.075 U | 4.4 | 0.072 U | 0.072 U | 6.4 |

**Table C-2
Pier 1 South Analytical Data**

| Location ID | | | SD-N-C-06-D | SD-N-C-07A-D | SD-N-C-07B-D | SD-N-C-08-D | SD-N-C-9D-D |
|--------------------------|---------------------------------|--|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| Sample ID | | | SD-N-C-06-D-0535-151202 | SD-N-C-7A-D-0535-151212 | SD-N-C-7B-D-0535-151218 | SD-N-C-08-D-0535-151212 | SD-N-C-9D-D-0535-151202 |
| Sample Type | | | Discrete | Discrete | Discrete | Discrete | Discrete |
| Sample Date | | | 12/2/2015 | 12/12/2015 | 12/18/2015 | 12/12/2015 | 12/2/2015 |
| Dredging Pass | | | 1 | 2 | 3 | 2 | 1 |
| Sample Depth (feet MLLW) | | | -21.4 | -20.7 | -29.9 | -42.2 | -38.4 |
| Latitude | | | 32°41.529' | 32°41.518' | 32°41.507' | 32°41.488' | 32°41.485' |
| Longitude | | | 117°08.698' | 117°08.707' | 117°08.722' | 117°08.734' | 117°08.749' |
| Analyte | Post-remedial Dredge Conditions | 120% of Post-remedial Dredge Concentrations ¹ | | | | | |
| PCB074 | - | - | 0.11 U | 1.7 | 0.11 U | 0.11 U | 2.1 |
| PCB077 | - | - | 0.097 U | 0.1 U | 0.094 U | 0.094 U | 1.5 |
| PCB081 | - | - | 0.15 U | 0.16 U | 0.15 U | 0.15 U | 0.17 U |
| PCB087 | - | - | 0.13 U | 2.7 | 0.13 U | 0.13 U | 5 |
| PCB099 | - | - | 0.076 U | 2.8 | 0.073 U | 0.073 U | 5.4 |
| PCB101 | - | - | 0.12 U | 6.8 | 0.17 J | 0.12 U | 13 |
| PCB105 | - | - | 0.068 U | 2.3 | 0.066 U | 0.066 U | 4.6 |
| PCB110 | - | - | 0.51 | 6.6 | 0.11 J | 0.056 U | 13 |
| PCB114 | - | - | 0.10 U | 0.11 U | 0.099 U | 0.099 U | 0.11 U |
| PCB118 | - | - | 0.67 | 6 | 0.10 U | 0.10 U | 11 |
| PCB119 | - | - | 0.12 U | 0.45 | 0.11 U | 0.11 U | 0.13 U |
| PCB123 | - | - | 0.13 U | 0.14 U | 0.13 U | 0.13 U | 0.14 U |
| PCB126 | - | - | 0.10 U | 0.1 U | 0.097 U | 0.097 U | 0.11 U |
| PCB128 | - | - | 0.13 U | 1.1 | 0.12 U | 0.12 U | 2 |
| PCB132/153 | - | - | 0.76 | 5.8 | 1.2 | 0.21 U | 13 |
| PCB138/158 | - | - | 0.12 U | 5.5 | 0.99 | 0.11 U | 12 |
| PCB149 | - | - | 0.12 U | 3.1 | 0.57 | 0.12 U | 7.7 |
| PCB151 | - | - | 0.084 U | 0.71 | 0.22 J | 0.081 U | 2.1 |
| PCB156 | - | - | 0.072 U | 0.67 | 0.084 J | 0.070 U | 1.5 |
| PCB157 | - | - | 0.065 U | 0.068 U | 0.063 U | 0.063 U | 0.072 U |
| PCB167 | - | - | 0.077 U | 0.27 | 0.075 U | 0.075 U | 0.085 U |
| PCB168 | - | - | 0.061 U | 0.063 U | 0.059 U | 0.059 U | 0.067 U |
| PCB169 | - | - | 0.076 U | 0.079 U | 0.074 U | 0.074 U | 0.084 U |
| PCB170 | - | - | 0.079 U | 1.0 | 0.6 | 0.077 U | 2.7 |
| PCB177 | - | - | 0.11 U | 0.11 U | 0.21 J | 0.11 U | 1 |

**Table C-2
Pier 1 South Analytical Data**

| Location ID | | | SD-N-C-06-D | SD-N-C-07A-D | SD-N-C-07B-D | SD-N-C-08-D | SD-N-C-9D-D |
|--------------------------------|---------------------------------|--|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| Sample ID | | | SD-N-C-06-D-0535-151202 | SD-N-C-7A-D-0535-151212 | SD-N-C-7B-D-0535-151218 | SD-N-C-08-D-0535-151212 | SD-N-C-9D-D-0535-151202 |
| Sample Type | | | Discrete | Discrete | Discrete | Discrete | Discrete |
| Sample Date | | | 12/2/2015 | 12/12/2015 | 12/18/2015 | 12/12/2015 | 12/2/2015 |
| Dredging Pass | | | 1 | 2 | 3 | 2 | 1 |
| Sample Depth (feet MLLW) | | | -21.4 | -20.7 | -29.9 | -42.2 | -38.4 |
| Latitude | | | 32°41.529' | 32°41.518' | 32°41.507' | 32°41.488' | 32°41.485' |
| Longitude | | | 117°08.698' | 117°08.707' | 117°08.722' | 117°08.734' | 117°08.749' |
| Analyte | Post-remedial Dredge Conditions | 120% of Post-remedial Dredge Concentrations ¹ | | | | | |
| PCB180 | - | - | 0.053 U | 1.6 | 0.94 | 0.051 U | 4.1 |
| PCB183 | - | - | 0.14 U | 0.48 | 0.26 | 0.13 U | 1.3 |
| PCB187 | - | - | 0.11 U | 0.79 | 0.37 | 0.10 U | 2.3 |
| PCB189 | - | - | 0.076 U | 0.08 U | 0.074 U | 0.074 U | 0.085 U |
| PCB194 | - | - | 0.14 U | 0.15 U | 0.17 J | 0.14 U | 1.2 |
| PCB201 | - | - | 0.12 U | 0.13 U | 0.12 U | 0.12 U | 0.13 U |
| PCB206 | - | - | 0.24 U | 0.25 U | 0.23 U | 0.23 U | 0.73 |
| Total PCB Congeners (ND = 1/2) | 84 | 101 | 3.85 | 78.3 | 7.24 J | 0.23 U | 148 |

Notes:

Bold = detected result

 Detected concentration is greater than the Post-remedial Dredge Area Concentration Level (Cleanup and Abatement Order [Water Board 2012])

 Detected concentration is greater than 120 percent of Post-remedial Dredge Area Concentration Level (Cleanup and Abatement Order [Water Board 2012])

U = indicates the compound or analyte was analyzed for but not detected at or greater than the MDL

J = estimated value

When totaling, if all individual analytes are non-detect, the total is equal to the highest detection limit reported. If there is a mix of detects and non-detects, non-detects are included in the sum at 1/2 the MDL.

1 Total HPAHs is the sum of six PAHs: fluoranthene, perylene, benzo(a)anthracene, chrysene, benzo(a)pyrene, and dibenzo(a,h)anthracene.

2 Total PCBs is the sum of 41 congeners: 18, 28, 37, 44, 49, 52, 66, 70, 74, 77, 81, 87, 99, 101, 105, 110, 114, 118, 119, 123, 126, 128, 138, 149, 151, 153, 156, 157, 158, 167, 168, 169, 170, 177, 180, 183, 187, 189, 194, 201, and 206.

µg/kg = micrograms per kilogram

MLLW = mean lower low water

HPAH = high-molecular weight polycyclic aromatic hydrocarbon

ND = non-detect

MDL = method detection limit

PAH = polycyclic aromatic hydrocarbon

mg/kg = milligrams per kilogram

**Table C-3
Pride of San Diego Dry Dock Berthing Area Analytical Data**

| Location ID | | | SD-N-C-10-D | SD-N-C-11-D | SD-N-C-12-D | SD-N-C-13-D | SD-N-C-13A-D |
|--|---------------------------------|---|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|
| Sample ID | | | SD-N-C-10-D-0535-150603 | SD-N-C-11-D-0535-150626 | SD-N-C-12-D-0535-150619 | SD-N-C-13-D-0535-150626 | SD-N-C-13A-D-0535-150623 |
| Sample Type | | | Discrete | Discrete | Discrete | Discrete | Discrete |
| Sample Date | | | 6/3/2015 | 6/26/2015 | 6/19/2015 | 6/26/2015 | 6/23/2015 |
| Dredging Pass | | | 1 | 2 | 1 | 2 | 1 |
| Sample Depth (feet MLLW) | | | -32.0 | -48.3 | -47.8 | -71 | -70.3 |
| Latitude | | | 32°41.515' | 32°41.493' | 32°41.485' | 32°41.495' | 32°41.488' |
| Longitude | | | 117°08.675' | 117°08.704' | 117°08.711' | 117°08.684' | 117°08.666' |
| Analyte | Post-remedial Dredge Conditions | 120% of Post-remedial Dredge Concentrations | | | | | |
| Conventional Parameters (%) | | | | | | | |
| Total Solids | - | - | 79.7 | 77.8 | 75.0 | 63.0 | 77.6 |
| Metals (mg/kg) | | | | | | | |
| Copper | 121 | 145 | 2.70 | 10.9 | 23.7 | 215 | 32.7 |
| Mercury | 0.57 | 0.68 | 0.00725 U | 0.00755 U | 0.199 | 0.438 | 0.145 |
| HPAHs (µg/kg)¹ | | | | | | | |
| Benzo (a) Anthracene | - | - | 2.7 U | 2.8 U | 2.9 U | 140 | 4.9 J |
| Benzo (a) Pyrene | - | - | 2.3 U | 2.4 U | 2.5 U | 540 | 18 |
| Chrysene | - | - | 2.8 U | 2.9 U | 3.0 U | 210 | 9.5 J |
| Dibenz (a,h) Anthracene | - | - | 2.4 U | 2.5 U | 2.6 U | 130 | 4.1 J |
| Fluoranthene | - | - | 2.3 U | 2.4 U | 2.4 U | 210 | 7.4 J |
| Perylene | - | - | 3.0 U | 3.1 U | 3.2 U | 84 | 3.1 U |
| Total HPAHs (ND = 1/2 MDL) | 663 | 796 | 3.0 U | 3.1 U | 3.2 U | 1,314 | 45.5 J |
| Organotins (µg/kg) | | | | | | | |
| Tributyltin | 22 | 26 | 1.9 U | 1.9 U | 2.0 U | 110 | 4.1 |
| PCB Congeners (µg/kg)² | | | | | | | |
| PCB018 | - | - | 0.089 U | 0.091 U | 0.095 U | 8.2 | 0.092 U |
| PCB028 | - | - | 0.042 U | 0.043 U | 0.045 U | 6.7 | 0.043 U |
| PCB037 | - | - | 0.075 U | 0.077 U | 0.081 U | 0.096 U | 0.078 U |
| PCB044 | - | - | 0.11 U | 0.11 U | 0.12 U | 9.9 | 0.11 U |
| PCB049 | - | - | 0.14 U | 0.14 U | 0.15 U | 13 | 0.14 U |
| PCB052 | - | - | 0.078 U | 0.080 U | 0.084 U | 16 | 0.081 U |
| PCB066 | - | - | 0.13 U | 0.13 U | 0.14 U | 14 | 0.21 |
| PCB070 | - | - | 0.074 U | 0.076 U | 0.079 U | 13 | 0.20 |
| PCB074 | - | - | 0.11 U | 0.11 U | 0.12 U | 6.8 | 0.11 U |
| PCB077 | - | - | 0.097 U | 0.099 U | 0.10 U | 0.12 U | 0.10 U |
| PCB081 | - | - | 0.15 U | 0.15 U | 0.16 U | 0.19 U | 0.15 U |
| PCB087 | - | - | 0.13 U | 0.14 U | 0.14 U | 9.1 | 0.14 U |
| PCB099 | - | - | 0.076 U | 0.078 U | 0.081 U | 13 | 0.33 |
| PCB101 | - | - | 0.12 U | 0.13 U | 0.13 U | 28 | 0.60 |
| PCB105 | - | - | 0.068 U | 0.070 U | 0.073 U | 11 | 0.070 U |
| PCB110 | - | - | 0.057 U | 0.059 U | 0.061 U | 23 | 0.49 |
| PCB114 | - | - | 0.10 U | 0.10 U | 0.11 U | 0.13 U | 0.11 U |
| PCB118 | - | - | 0.10 U | 0.11 U | 0.11 U | 24 | 0.55 |
| PCB119 | - | - | 0.12 U | 0.12 U | 0.13 U | 0.15 U | 0.12 U |
| PCB123 | - | - | 0.13 U | 0.13 U | 0.14 U | 0.17 U | 0.13 U |
| PCB126 | - | - | 0.10 U | 0.10 U | 0.11 U | 0.13 U | 0.10 U |
| PCB128 | - | - | 0.13 U | 0.13 U | 0.14 U | 5.3 | 0.13 U |
| PCB132/153 | - | - | 0.22 U | 0.22 U | 0.23 U | 46 | 1.3 |
| PCB138/158 | - | - | 0.12 U | 0.12 U | 0.13 U | 34 | 0.78 |

**Table C-3
Pride of San Diego Dry Dock Berthing Area Analytical Data**

| Location ID | SD-N-C-10-D | SD-N-C-11-D | SD-N-C-12-D | SD-N-C-13-D | SD-N-C-13A-D | | |
|------------------------------------|---------------------------------|---|-------------------------|-------------------------|--------------------------|-------------|-------------|
| Sample ID | SD-N-C-10-D-0535-150603 | SD-N-C-11-D-0535-150626 | SD-N-C-12-D-0535-150619 | SD-N-C-13-D-0535-150626 | SD-N-C-13A-D-0535-150623 | | |
| Sample Type | Discrete | Discrete | Discrete | Discrete | Discrete | | |
| Sample Date | 6/3/2015 | 6/26/2015 | 6/19/2015 | 6/26/2015 | 6/23/2015 | | |
| Dredging Pass | 1 | 2 | 1 | 2 | 1 | | |
| Sample Depth (feet MLLW) | -32.0 | -48.3 | -47.8 | -71 | -70.3 | | |
| Latitude | 32°41.515' | 32°41.493' | 32°41.485' | 32°41.495' | 32°41.488' | | |
| Longitude | 117°08.675' | 117°08.704' | 117°08.711' | 117°08.684' | 117°08.666' | | |
| Analyte | Post-remedial Dredge Conditions | 120% of Post-remedial Dredge Concentrations | | | | | |
| PCB149 | - | - | 0.12 U | 0.12 U | 0.13 U | 24 | 0.61 |
| PCB151 | - | - | 0.084 U | 0.086 U | 0.090 U | 7.8 | 0.18 |
| PCB156 | - | - | 0.072 U | 0.074 U | 0.077 U | 3.1 | 0.074 U |
| PCB157 | - | - | 0.065 U | 0.067 U | 0.070 U | 0.083 U | 0.067 U |
| PCB167 | - | - | 0.077 U | 0.079 U | 0.082 U | 0.098 U | 0.079 U |
| PCB168 | - | - | 0.061 U | 0.062 U | 0.065 U | 0.078 U | 0.063 U |
| PCB169 | - | - | 0.076 U | 0.078 U | 0.081 U | 0.097 U | 0.079 U |
| PCB170 | - | - | 0.079 U | 0.081 U | 0.085 U | 10 | 0.21 |
| PCB177 | - | - | 0.11 U | 0.11 U | 0.12 U | 5.2 | 0.13 |
| PCB180 | - | - | 0.052 U | 0.054 U | 0.056 U | 22 | 0.57 |
| PCB183 | - | - | 0.14 U | 0.14 U | 0.15 U | 5.2 | 0.14 U |
| PCB187 | - | - | 0.11 U | 0.11 U | 0.11 U | 14 | 0.31 |
| PCB189 | - | - | 0.076 U | 0.078 U | 0.081 U | 0.097 U | 0.079 U |
| PCB194 | - | - | 0.14 U | 0.14 U | 0.15 U | 5.3 | 0.14 U |
| PCB201 | - | - | 0.12 U | 0.12 U | 0.13 U | 0.83 | 0.12 U |
| PCB206 | - | - | 0.24 U | 0.25 U | 0.26 U | 3.0 | 0.25 U |
| Total PCB Congeners (ND = 1/2 MDL) | 84 | 101 | 0.24 U | 0.25 U | 0.26 U | 382 | 7.87 |

Notes:

Bold = detected result

 Detected concentration is greater than 120 percent of Post-remedial Dredge Area Concentration Level (Cleanup and Abatement Order [Water Board 2012])

U = indicates the compound or analyte was analyzed for but not detected at or greater than the MDL

J = estimated value

When totaling, if all individual analytes are non-detect, the total is equal to the highest detection limit reported. If there is a mix of detects and non-detects, non-detects are included in the sum at 1/2 the MDL.

1 Total HPAHs is the sum of six PAHs: fluoranthene, perylene, benzo(a)anthracene, chrysene, benzo(a)pyrene, and dibenzo(a,h)anthracene.

2 Total PCBs is the sum of 41 congeners: 18, 28, 37, 44, 49, 52, 66, 70, 74, 77, 81, 87, 99, 101, 105, 110, 114, 118, 119, 123, 126, 128, 138, 149, 151, 153, 156, 157, 158, 167, 168, 169, 170, 177, 180, 183, 187, 189, 194, 201, and 206.

µg/kg = micrograms per kilogram

HPAH = high-molecular weight polycyclic aromatic hydrocarbon

MDL = method detection limit

mg/kg = milligrams per kilogram

MLLW = mean lower low water

ND = non-detect

PAH = polycyclic aromatic hydrocarbon

PCB = polychlorinated biphenyl

**Table C-4a
Pier 3 North Analytical Data**

| Location ID | | SD-N-C-14-D | SD-N-C-14A-D | |
|--|---------------------------------|---|-------------------|-----------------|
| Sample ID | | SD-N-C-14-D-0535 | SD-N-C-14A-D-0535 | |
| Sample Type | | Discrete | Discrete | |
| Sample Date | | 3/6/2015 | 3/6/2015 | |
| Dredging Pass | | 1 | 1 | |
| Sample Depth (feet MLLW) | | -59.0 | -66.7 | |
| Latitude | | 32°41.469' | 32°41.481' | |
| Longitude | | 117°08.661' | 117°08.660' | |
| Analyte | Post-remedial Dredge Conditions | 120% of Post-remedial Dredge Concentrations | | |
| Conventional Parameters (%) | | | | |
| Total Solids | - | - | 84.0 | 85.1 |
| Metals (mg/kg) | | | | |
| Copper | 121 | 145 | 10.4 | 17.4 |
| Mercury | 0.57 | 0.68 | 0.0152 J | 0.0132 J |
| HPAHs (µg/kg)¹ | | | | |
| Benzo (a) Anthracene | - | - | 1.9 U | 53 |
| Benzo (a) Pyrene | - | - | 1.2 U | 74 |
| Chrysene | - | - | 1.4 U | 69 |
| Dibenz (a,h) Anthracene | - | - | 1.2 U | 17 |
| Fluoranthene | - | - | 1.2 U | 150 |
| Perylene | - | - | 12 U | 16 |
| Total HPAHs (ND = 1/2 MDL) | 663 | 796 | 12 U | 379 |
| Organotins (µg/kg) | | | | |
| Tributyltin | 22 | 26 | 1.8 U | 6.7 |
| PCB Congeners (µg/kg)² | | | | |
| PCB018 | - | - | 0.046 U | 0.046 U |
| PCB028 | - | - | 0.065 U | 0.065 U |
| PCB037 | - | - | 0.042 U | 0.042 U |
| PCB044 | - | - | 0.11 U | 0.11 U |
| PCB049 | - | - | 0.10 U | 0.46 |
| PCB052 | - | - | 0.061 U | 0.19 J |
| PCB066 | - | - | 0.089 U | 0.27 |
| PCB070 | - | - | 0.057 U | 0.20 J |
| PCB074 | - | - | 0.055 U | 0.13 J |
| PCB077 | - | - | 0.10 U | 0.10 U |
| PCB081 | - | - | 0.076 U | 0.075 U |
| PCB087 | - | - | 0.049 U | 0.26 |
| PCB099 | - | - | 0.063 U | 0.37 |
| PCB101 | - | - | 0.060 U | 0.83 |
| PCB105 | - | - | 0.050 U | 0.25 |
| PCB110 | - | - | 0.054 U | 0.60 |
| PCB114 | - | - | 0.042 U | 0.042 U |
| PCB118 | - | - | 0.070 U | 0.070 U |
| PCB119 | - | - | 0.054 U | 0.054 U |
| PCB123 | - | - | 0.056 U | 0.50 |
| PCB126 | - | - | 0.040 U | 0.040 U |
| PCB128 | - | - | 0.046 U | 0.046 U |
| PCB132/153 | - | - | 0.079 U | 1.3 |

**Table C-4a
Pier 3 North Analytical Data**

| Location ID | | SD-N-C-14-D | SD-N-C-14A-D |
|------------------------------------|---------------------------------|---|-----------------------|
| Sample ID | | SD-N-C-14-D-0535 | SD-N-C-14A-D-0535 |
| Sample Type | | Discrete | Discrete |
| Sample Date | | 3/6/2015 | 3/6/2015 |
| Dredging Pass | | 1 | 1 |
| Sample Depth (feet MLLW) | | -59.0 | -66.7 |
| Latitude | | 32°41.469' | 32°41.481' |
| Longitude | | 117°08.661' | 117°08.660' |
| Analyte | Post-remedial Dredge Conditions | 120% of Post-remedial Dredge Concentrations | |
| PCB138/158 | - | - | 0.089 U 0.75 |
| PCB149 | - | - | 0.057 U 0.56 |
| PCB151 | - | - | 0.073 U 0.20 |
| PCB156 | - | - | 0.079 U 0.078 U |
| PCB157 | - | - | 0.061 U 0.061 U |
| PCB167 | - | - | 0.049 U 0.049 U |
| PCB168 | - | - | 0.053 U 0.053 U |
| PCB169 | - | - | 0.039 U 0.039 U |
| PCB170 | - | - | 0.060 U 0.27 |
| PCB177 | - | - | 0.047 U 0.11 J |
| PCB180 | - | - | 0.036 U 0.40 |
| PCB183 | - | - | 0.038 U 0.13 J |
| PCB187 | - | - | 0.046 U 0.32 |
| PCB189 | - | - | 0.030 U 0.030 U |
| PCB194 | - | - | 0.049 U 0.048 U |
| PCB201 | - | - | 0.052 U 0.052 U |
| PCB206 | - | - | 0.053 U 0.053 U |
| Total PCB Congeners (ND = 1/2 MDL) | 84 | 101 | 0.11 U 8.7 J |

Table C-4a
Pier 3 North Analytical Data

Notes:

Bold = detected result

U = indicates the compound or analyte was analyzed for but not detected at or greater than the MDL

J = estimated value

When totaling, if all individual analytes are non-detect, the total is equal to the highest detection limit reported. If there is a mix of detects and non-detects, non-detects are included in the sum at 1/2 the MDL.

1 Total HPAHs is the sum of six PAHs: fluoranthene, perylene, benzo(a)anthracene, chrysene, benzo(a)pyrene, and dibenzo(a,h)anthracene.

2 Total PCBs is the sum of 41 congeners: 18, 28, 37, 44, 49, 52, 66, 70, 74, 77, 81, 87, 99, 101, 105, 110, 114, 118, 119, 123
µg/kg = micrograms per kilogram

HPAH = high-molecular weight polycyclic aromatic hydrocarbon

mg/kg = milligrams per kilogram

MDL = method detection limit

MLLW = mean lower low water

ND = non-detect

PAH = polycyclic aromatic hydrocarbon

PCB = polychlorinated biphenyl

**Table C-4b
Pier 3 South Analytical Data**

| Location ID | SD-N-C-15-D | | SD-N-C-17-D | | SD-N-C-18A-D | | SD-N-C-18B-D | | SD-N-C-20-D | |
|--|---------------------------------|---|-------------------------|---------|--------------------------|---------|--------------------------|--|-------------------------|--|
| Sample ID | SD-N-C-15-D-0535-151030 | | SD-N-C-17-D-0535-151111 | | SD-N-C-18A-D-0535-151111 | | SD-N-C-18B-D-0535-151111 | | SD-N-C-20-D-0535-151125 | |
| Sample Type | Discrete | | Discreet | | Discrete | | Discrete | | Discrete | |
| Sample Date | 10/30/2015 | | 11/11/2015 | | 11/11/2015 | | 11/11/2015 | | 11/25/2015 | |
| Dredging Pass | 2 | | 2 | | 1 | | 1 | | 3 | |
| Sample Depth (feet MLLW) | -17.7 | | -40.2 | | -39.3 | | -40.4 | | -43.5 | |
| Latitude | 32°41.491' | | 32°41.472' | | 32°41.468' | | 32°41.457' | | 32°41.442' | |
| Longitude | 117°08.607' | | 117°08.613' | | 117°08.619' | | 117°08.628' | | 117°08.636' | |
| Analyte | Post-remedial Dredge Conditions | 120% of Post-remedial Dredge Concentrations | | | | | | | | |
| Conventional Parameters (%) | | | | | | | | | | |
| Total Solids | - | - | 73.0 | 71.1 | 80.7 | 84.6 | 86.5 | | | |
| Metals (mg/kg) | | | | | | | | | | |
| Copper | 121 | 145 | 49.1 | 21.2 | 13 | 14.6 | 3.92 | | | |
| Mercury | 0.57 | 0.68 | 0.236 | 0.0331 | 0.00693 U | 0.0109 | 0.0108 J | | | |
| HPAHs (µg/kg)¹ | | | | | | | | | | |
| Benzo (a) Anthracene | - | - | 130 | 11 J | 2.7 U | 10 J | 2.5 U | | | |
| Benzo (a) Pyrene | - | - | 300 | 33 | 2.3 U | 14 | 2.1 U | | | |
| Chrysene | - | - | 130 | 14 | 2.8 U | 10 J | 2.6 U | | | |
| Dibenz (a,h) Anthracene | - | - | 64 | 5.5 J | 2.4 U | 3.1 J | 2.3 U | | | |
| Fluoranthene | - | - | 240 | 15 | 2.7 J | 20 | 2.1 U | | | |
| Perylene | - | - | 60 | 5 J | 2.9 U | 2.8 U | 2.8 U | | | |
| Total HPAHs (ND = 1/2 MDL) | 663 | 796 | 924 | 83.5 J | 9.3 J | 58.5 J | 2.8 U | | | |
| Organotins (µg/kg) | | | | | | | | | | |
| Tributyltin | 22 | 26 | 39 | 5.4 | 1.8 U | 1.8 U | 1.7 U | | | |
| PCB Congeners (µg/kg)² | | | | | | | | | | |
| PCB018 | - | - | 0.097 U | 0.10 U | 0.088 U | 0.084 U | 0.083 U | | | |
| PCB028 | - | - | 7.6 | 0.047 U | 0.042 U | 0.039 U | 0.039 U | | | |
| PCB037 | - | - | 0.083 U | 0.085 U | 0.075 U | 0.071 U | 0.070 U | | | |
| PCB044 | - | - | 5.1 | 0.12 U | 0.11 U | 0.10 U | 0.10 U | | | |
| PCB049 | - | - | 110 | 1.2 | 0.14 U | 0.87 | 0.13 U | | | |
| PCB052 | - | - | 27 | 0.8 | 0.078 U | 0.51 | 0.073 U | | | |
| PCB066 | - | - | 13 | 0.52 | 0.13 U | 0.12 U | 0.12 U | | | |
| PCB070 | - | - | 9.3 | 0.62 | 0.074 U | 0.070 U | 0.069 U | | | |
| PCB074 | - | - | 2.8 | 0.23 J | 0.11 U | 0.10 U | 0.10 U | | | |
| PCB077 | - | - | 16 | 0.48 | 0.097 U | 0.091 U | 0.090 U | | | |
| PCB081 | - | - | 0.16 U | 0.17 U | 0.15 U | 0.14 U | 0.14 U | | | |
| PCB087 | - | - | 6.3 | 0.59 | 0.13 U | 0.48 | 0.12 U | | | |
| PCB099 | - | - | 51 | 1.8 | 0.076 U | 0.97 | 0.070 U | | | |
| PCB101 | - | - | 57 | 2.8 | 0.12 U | 1.7 | 0.11 U | | | |
| PCB105 | - | - | 6.7 | 0.73 | 0.068 U | 0.064 U | 0.063 U | | | |
| PCB110 | - | - | 16 | 1.4 | 0.057 U | 0.84 | 0.053 U | | | |
| PCB114 | - | - | 0.11 U | 0.12 U | 0.10 U | 0.096 U | 0.095 U | | | |
| PCB118 | - | - | 18 | 1.4 | 0.10 U | 0.93 | 0.098 U | | | |
| PCB119 | - | - | 15 | 0.33 | 0.12 U | 0.32 | 0.11 U | | | |
| PCB123 | - | - | 0.14 U | 0.15 U | 0.13 U | 0.12 U | 0.12 U | | | |
| PCB126 | - | - | 0.11 U | 0.11 U | 0.10 U | 0.094 U | 0.093 U | | | |
| PCB128 | - | - | 3.5 | 0.43 | 0.13 U | 0.12 U | 0.12 U | | | |

**Table C-4b
Pier 3 South Analytical Data**

| Location ID | SD-N-C-15-D | SD-N-C-17-D | SD-N-C-18A-D | SD-N-C-18B-D | SD-N-C-20-D | | |
|------------------------------------|---------------------------------|---|--------------------------|--------------------------|-------------------------|-------------|---------|
| Sample ID | SD-N-C-15-D-0535-151030 | SD-N-C-17-D-0535-151111 | SD-N-C-18A-D-0535-151111 | SD-N-C-18B-D-0535-151111 | SD-N-C-20-D-0535-151125 | | |
| Sample Type | Discrete | Discreet | Discrete | Discrete | Discrete | | |
| Sample Date | 10/30/2015 | 11/11/2015 | 11/11/2015 | 11/11/2015 | 11/25/2015 | | |
| Dredging Pass | 2 | 2 | 1 | 1 | 3 | | |
| Sample Depth (feet MLLW) | -17.7 | -40.2 | -39.3 | -40.4 | -43.5 | | |
| Latitude | 32°41.491' | 32°41.472' | 32°41.468' | 32°41.457' | 32°41.442' | | |
| Longitude | 117°08.607' | 117°08.613' | 117°08.619' | 117°08.628' | 117°08.636' | | |
| Analyte | Post-remedial Dredge Conditions | 120% of Post-remedial Dredge Concentrations | | | | | |
| PCB132/153 | - | - | 170 | 5.7 | 0.22 U | 5.8 | 0.20 U |
| PCB138/158 | - | - | 61 | 3 | 0.12 U | 3.3 | 0.11 U |
| PCB149 | - | - | 90 | 3.2 | 0.12 U | 2.9 | 0.11 U |
| PCB151 | - | - | 31 | 1.2 | 0.084 U | 1.1 | 0.078 U |
| PCB156 | - | - | 3.4 | 0.41 | 0.072 U | 0.068 U | 0.067 U |
| PCB157 | - | - | 1.2 | 0.073 U | 0.065 U | 0.061 U | 0.061 U |
| PCB167 | - | - | 1.4 | 0.087 U | 0.077 U | 0.072 U | 0.072 U |
| PCB168 | - | - | 0.067 U | 0.068 U | 0.061 U | 0.057 U | 0.057 U |
| PCB169 | - | - | 4.4 | 0.086 U | 0.076 U | 0.072 U | 0.071 U |
| PCB170 | - | - | 28 | 1.5 | 0.079 U | 2.3 | 0.074 U |
| PCB177 | - | - | 12 | 0.59 | 0.11 U | 1.2 | 0.10 U |
| PCB180 | - | - | 70 | 2.5 | 0.052 U | 4.8 | 0.049 U |
| PCB183 | - | - | 17 | 0.8 | 0.14 U | 1.1 | 0.13 U |
| PCB187 | - | - | 70 | 1.7 | 0.10 U | 2.7 | 0.098 U |
| PCB189 | - | - | 2 | 0.086 U | 0.076 U | 0.072 U | 0.071 U |
| PCB194 | - | - | 20 | 0.79 | 0.14 U | 1.3 | 0.13 U |
| PCB201 | - | - | 2.6 | 0.14 U | 0.12 U | 0.11 U | 0.11 U |
| PCB206 | - | - | 6.4 | 0.31 | 0.24 U | 0.23 U | 0.22 U |
| Total PCB Congeners (ND = 1/2 MDL) | 84 | 101 | 955 | 35.8 J | 0.24 U | 34.2 | 0.22 U |

Notes:

Bold = detected result

 Detected concentration is greater than 120 percent of Post-remedial Dredge Area Concentration Level (Cleanup and Abatement Order [Water Board 2012])

U = indicates the compound or analyte was analyzed for but not detected at or greater than the MDL

J = estimated value

When totaling, if all individual analytes are non-detect, the total is equal to the highest detection limit reported. If there is a mix of detects and non-detects, non-detects are included in the sum at 1/2 the MDL.

1 Total HPAHs is the sum of six PAHs: fluoranthene, perylene, benzo(a)anthracene, chrysene, benzo(a)pyrene, and dibenzo(a,h)anthracene.

2 Total PCBs is the sum of 41 congeners: 18, 28, 37, 44, 49, 52, 66, 70, 74, 77, 81, 87, 99, 101, 105, 110, 114, 118, 119, 123, 126, 128, 138, 149, 151, 153, 156, 157, 158, 167, 168, 169, 170, 177, 180, 183, 187, 189, 194, 201, and 206.

µg/kg = micrograms per kilogram

HPAH = high-molecular weight polycyclic aromatic hydrocarbon

MDL = method detection limit

mg/kg = milligrams per kilogram

MLLW = mean lower low water

ND = non-detect

PAH = polycyclic aromatic hydrocarbon

PCB = polychlorinated biphenyl

**Table C-5a
Pier 4 North Analytical Data**

| Location ID | | SD-N-C-16-D | SD-N-C-19-D | |
|--|---------------------------------|--|-------------------------|---------|
| Sample ID | | SD-N-C-16-D-0535-150518 | SD-N-C-19-D-0535-150518 | |
| Sample Type | | Discrete | Discrete | |
| Sample Date | | 5/18/2015 | 5/18/2015 | |
| Dredging Pass | | 1 | 1 | |
| Sample Depth (feet MLLW) | | -17.6 | -14.9 | |
| Latitude | | 32°41.477' | 32°41.455' | |
| Longitude | | 117°08.587' | 117°08.600' | |
| Analyte | Post-remedial Dredge Conditions | 120% of Post-remedial Dredge Concentrations ¹ | | |
| Conventional Parameters (%) | | | | |
| Total Solids | - | - | 80.8 | 79.6 |
| Metals (mg/kg) | | | | |
| Copper | 121 | 145 | 7.25 | 5.34 |
| Mercury | 0.57 | 0.68 | 0.0218 J | 0.207 |
| HPAHs (µg/kg)¹ | | | | |
| Benzo (a) Anthracene | - | - | 2.7 U | 16 |
| Benzo (a) Pyrene | - | - | 4.1 J | 55 |
| Chrysene | - | - | 2.8 U | 22 |
| Dibenz (a,h) Anthracene | - | - | 2.4 U | 7.5 J |
| Fluoranthene | - | - | 4.3 J | 54 |
| Perylene | - | - | 2.9 U | 13 |
| Total HPAHs (ND = 1/2 MDL) | 663 | 796 | 13.8 J | 167.5 J |
| Organotins (µg/kg) | | | | |
| Tributyltin | 22 | 26 | 1.8 U | 1.9 U |
| PCB Congeners (µg/kg)² | | | | |
| PCB018 | - | - | 0.088 U | 0.089 U |
| PCB028 | - | - | 0.042 U | 0.042 U |
| PCB037 | - | - | 0.075 U | 0.076 U |
| PCB044 | - | - | 0.11 U | 0.11 U |
| PCB049 | - | - | 0.14 U | 0.14 U |
| PCB052 | - | - | 0.078 U | 0.078 U |
| PCB066 | - | - | 0.14 J | 0.13 U |
| PCB070 | - | - | 0.26 | 0.075 U |
| PCB074 | - | - | 0.11 U | 0.11 U |
| PCB077 | - | - | 0.097 U | 0.097 U |
| PCB081 | - | - | 0.15 U | 0.15 U |
| PCB087 | - | - | 0.13 U | 0.13 U |
| PCB099 | - | - | 0.38 | 0.19 J |
| PCB101 | - | - | 0.83 | 0.3 |
| PCB105 | - | - | 0.068 U | 0.068 U |
| PCB110 | - | - | 0.82 | 0.057 U |
| PCB114 | - | - | 0.1 U | 0.1 U |
| PCB118 | - | - | 0.62 | 0.1 U |
| PCB119 | - | - | 0.12 U | 0.12 U |
| PCB123 | - | - | 0.13 U | 0.13 U |
| PCB126 | - | - | 0.1 U | 0.1 U |
| PCB128 | - | - | 0.13 U | 0.13 U |

**Table C-5a
Pier 4 North Analytical Data**

| Location ID | | | SD-N-C-16-D | SD-N-C-19-D |
|------------------------------------|---------------------------------|--|-------------------------|-------------------------|
| Sample ID | | | SD-N-C-16-D-0535-150518 | SD-N-C-19-D-0535-150518 |
| Sample Type | | | Discrete | Discrete |
| Sample Date | | | 5/18/2015 | 5/18/2015 |
| Dredging Pass | | | 1 | 1 |
| Sample Depth (feet MLLW) | | | -17.6 | -14.9 |
| Latitude | | | 32°41.477' | 32°41.455' |
| Longitude | | | 117°08.587' | 117°08.600' |
| Analyte | Post-remedial Dredge Conditions | 120% of Post-remedial Dredge Concentrations ¹ | | |
| PCB132/153 | - | - | 1.1 | 0.63 |
| PCB138/158 | - | - | 1 | 0.4 J |
| PCB149 | - | - | 0.63 | 0.38 |
| PCB151 | - | - | 0.33 | 0.084 U |
| PCB156 | - | - | 0.072 U | 0.072 U |
| PCB157 | - | - | 0.065 U | 0.065 U |
| PCB167 | - | - | 0.077 U | 0.077 U |
| PCB168 | - | - | 0.061 U | 0.061 U |
| PCB169 | - | - | 0.076 U | 0.076 U |
| PCB170 | - | - | 0.079 U | 0.079 U |
| PCB177 | - | - | 0.11 U | 0.11 U |
| PCB180 | - | - | 0.4 | 0.3 |
| PCB183 | - | - | 0.14 U | 0.14 U |
| PCB187 | - | - | 0.28 | 0.2 J |
| PCB189 | - | - | 0.076 U | 0.076 U |
| PCB194 | - | - | 0.14 U | 0.14 U |
| PCB201 | - | - | 0.12 U | 0.12 U |
| PCB206 | - | - | 0.24 U | 0.24 U |
| Total PCB Congeners (ND = 1/2 MDL) | 84 | 101 | 8.25 J | 4.09 J |

Notes:

Bold = detected result

U = indicates the compound or analyte was analyzed for but not detected at or greater than the MDL

J = estimated value

When totaling, if all individual analytes are non-detect, the total is equal to the highest detection limit reported. If there is a mix of detects and non-detects, non-detects are included in the sum at 1/2 the MDL.

1 Total HPAHs is the sum of six PAHs: fluoranthene, perylene, benzo(a)anthracene, chrysene, benzo(a)pyrene, and dibenzo(a,h)anthracene.

2 Total PCBs is the sum of 41 congeners: 18, 28, 37, 44, 49, 52, 66, 70, 74, 77, 81, 87, 99, 101, 105, 110, 114, 118, 119, 123, 126, 128, 138, 149, 151, 153, 156, 157, 158, 167, 168, 169, 170, 177, 180, 183, 187, 189, 194, 201, and 206.

µg/kg = micrograms per kilogram

HPAH = high-molecular weight polycyclic aromatic hydrocarbon

MDL = method detection limit

mg/kg = milligrams per kilogram

MLLW = mean lower low water

ND = non-detect

PAH = polycyclic aromatic hydrocarbon

PCB = polychlorinated biphenyl

**Table C-5b
Pier 4 South Analytical Data**

| Location ID | | | SD-N-C-21-D | SD-N-C-21A-D | SD-N-C-22A-D | SD-N-C-22B-D | SD-N-C-23-D |
|--|---------------------------------|--|-------------------------|--------------------------|--------------------------|--------------------------|-------------------------|
| Sample ID | | | SD-N-C-21-D-0535-151207 | SD-N-C-21A-D-0535-150717 | SD-N-C-22A-D-0535-150721 | SD-N-C-22B-D-0535-150724 | SD-N-C-23-D-0535-151030 |
| Sample Type | | | Discrete | Discrete | Discrete | Discrete | Discrete |
| Sample Date | | | 12/7/2015 | 7/17/2015 | 7/21/2015 | 7/24/2015 | 10/30/2015 |
| Dredging Pass | | | 2 | 1 | 1 | 1 | 1 |
| Sample Depth (feet MLLW) | | | -33 | -26.1 | -45.2 | -40.3 | -31.9 |
| Latitude | | | 32°41.403' | 32°41.422' | 32°41.409' | 32°41.389' | 32°41.381' |
| Longitude | | | 117°08.585' | 117°08.580' | 117°08.604' | 117°08.613' | 117°08.598' |
| Analyte | Post-remedial Dredge Conditions | 120% of Post-remedial Dredge Concentrations ¹ | | | | | |
| Conventional Parameters (%) | | | | | | | |
| Total Solids | - | - | 81.3 | 80.3 | 78.7 | 81.4 | 73.0 |
| Metals (mg/kg) | | | | | | | |
| Copper | 121 | 145 | 20 | 11.8 | 11.1 | 12.4 | 20.1 |
| Mercury | 0.57 | 0.68 | 0.0453 | 0.00756 U | 0.0250 U | 0.00769 J | 0.0146 J |
| HPAHs (µg/kg)¹ | | | | | | | |
| Benzo (a) Anthracene | - | - | 44 | 3.3 J | 2.8 U | 45 | 51 |
| Benzo (a) Pyrene | - | - | 70 | 4.0 J | 7.3 J | 51 | 46 |
| Chrysene | - | - | 140 | 2.8 U | 3.2 J | 69 | 42 |
| Dibenz (a,h) Anthracene | - | - | 7.8 J | 2.4 U | 2.5 U | 8.9 J | 6.1 J |
| Fluoranthene | - | - | 150 | 7.4 J | 6.7 J | 110 | 170 |
| Perylene | - | - | 14 | 3.0 U | 3.0 U | 9.7 J | 10 J |
| Total HPAHs (ND = 1/2 MDL) | 663 | 796 | 425.8 J | 18.8 J | 17.6 J | 293.6 J | 325.1 J |
| Organotins (µg/kg) | | | | | | | |
| Tributyltin | 22 | 26 | 3.5 J | 3.7 U | 7.1 | 3.4 J | 5.8 |
| PCB Congeners (µg/kg)² | | | | | | | |
| PCB018 | - | - | 0.088 U | 0.089 U | 0.090 U | 0.51 | 0.097 U |
| PCB028 | - | - | 0.19 J | 0.042 U | 0.043 U | 0.28 | 0.34 |
| PCB037 | - | - | 0.075 U | 0.076 U | 0.077 U | 0.074 U | 0.083 U |
| PCB044 | - | - | 0.32 | 0.11 U | 0.13 J | 0.37 | 0.29 |
| PCB049 | - | - | 0.22 J | 0.14 U | 0.14 U | 0.14 J | 0.37 |
| PCB052 | - | - | 0.33 | 0.078 U | 0.080 U | 0.38 | 0.6 |
| PCB066 | - | - | 0.23 J | 0.13 U | 0.13 U | 0.28 | 0.33 |
| PCB070 | - | - | 0.33 | 0.075 U | 0.076 U | 0.16 J | 0.38 |
| PCB074 | - | - | 0.15 J | 0.11 U | 0.11 U | 0.11 U | 0.13 J |
| PCB077 | - | - | 0.096 U | 0.097 U | 0.099 U | 0.19 J | 0.11 U |
| PCB081 | - | - | 0.15 U | 0.15 U | 0.15 U | 0.15 U | 0.16 U |
| PCB087 | - | - | 0.13 U | 0.13 U | 0.14 U | 0.15 J | 0.20 J |
| PCB099 | - | - | 0.22 J | 0.076 U | 0.12 J | 0.2 J | 0.33 |
| PCB101 | - | - | 0.51 | 0.12 U | 0.22 J | 0.49 | 0.66 |
| PCB105 | - | - | 0.068 U | 0.068 U | 0.11 J | 0.30 | 0.3 |
| PCB110 | - | - | 0.47 | 0.057 U | 0.21 J | 0.34 | 0.41 |
| PCB114 | - | - | 0.10 U | 0.10 U | 0.10 U | 0.1 U | 0.11 U |
| PCB118 | - | - | 0.36 | 0.11 U | 0.24 J | 0.50 | 0.45 |
| PCB119 | - | - | 0.12 U | 0.12 U | 0.12 U | 0.12 U | 0.13 U |
| PCB123 | - | - | 0.13 U | 0.13 U | 0.13 U | 0.13 U | 0.14 U |
| PCB126 | - | - | 0.099 U | 0.10 U | 0.10 U | 0.16 J | 0.11 U |
| PCB128 | - | - | 0.13 U | 0.13 U | 0.13 U | 0.25 | 0.14 U |
| PCB132/153 | - | - | 0.58 | 0.36 J | 0.42 J | 0.88 | 0.96 |
| PCB138/158 | - | - | 0.53 | 0.16 J | 0.43 J | 0.61 | 0.74 |


**Table C-5b
Pier 4 South Analytical Data**

| Location ID | | | SD-N-C-21-D | SD-N-C-21A-D | SD-N-C-22A-D | SD-N-C-22B-D | SD-N-C-23-D |
|------------------------------------|---------------------------------|--|-------------------------|--------------------------|--------------------------|--------------------------|-------------------------|
| Sample ID | | | SD-N-C-21-D-0535-151207 | SD-N-C-21A-D-0535-150717 | SD-N-C-22A-D-0535-150721 | SD-N-C-22B-D-0535-150724 | SD-N-C-23-D-0535-151030 |
| Sample Type | | | Discrete | Discrete | Discrete | Discrete | Discrete |
| Sample Date | | | 12/7/2015 | 7/17/2015 | 7/21/2015 | 7/24/2015 | 10/30/2015 |
| Dredging Pass | | | 2 | 1 | 1 | 1 | 1 |
| Sample Depth (feet MLLW) | | | -33 | -26.1 | -45.2 | -40.3 | -31.9 |
| Latitude | | | 32°41.403' | 32°41.422' | 32°41.409' | 32°41.389' | 32°41.381' |
| Longitude | | | 117°08.585' | 117°08.580' | 117°08.604' | 117°08.613' | 117°08.598' |
| Analyte | Post-remedial Dredge Conditions | 120% of Post-remedial Dredge Concentrations ¹ | | | | | |
| PCB149 | - | - | 0.35 | 0.27 | 0.32 | 0.38 | 0.52 |
| PCB151 | - | - | 0.083 U | 0.084 U | 0.085 U | 0.082 U | 0.20 J |
| PCB156 | - | - | 0.071 U | 0.072 U | 0.073 U | 0.07 U | 0.079 U |
| PCB157 | - | - | 0.065 U | 0.065 U | 0.066 U | 0.064 U | 0.072 U |
| PCB167 | - | - | 0.076 U | 0.077 U | 0.078 U | 0.075 U | 0.084 U |
| PCB168 | - | - | 0.060 U | 0.061 U | 0.062 U | 0.06 U | 0.067 U |
| PCB169 | - | - | 0.075 U | 0.076 U | 0.077 U | 0.24 J | 0.083 U |
| PCB170 | - | - | 0.078 U | 0.17 J | 0.13 J | 0.36 | 0.20 J |
| PCB177 | - | - | 0.11 U | 0.11 U | 0.11 U | 0.11 U | 0.13 |
| PCB180 | - | - | 0.34 | 0.22 J | 0.27 | 0.58 | 0.48 |
| PCB183 | - | - | 0.14 U | 0.14 U | 0.14 U | 0.13 U | 0.15 U |
| PCB187 | - | - | 0.16 J | 0.12 J | 0.11 J | 0.69 | 0.23 J |
| PCB189 | - | - | 0.075 U | 0.076 U | 0.078 U | 0.075 U | 0.084 U |
| PCB194 | - | - | 0.14 U | 0.14 U | 0.14 U | 0.55 | 0.15 U |
| PCB201 | - | - | 0.12 U | 0.12 U | 0.12 U | 0.26 | 0.13 U |
| PCB206 | - | - | 0.24 U | 0.24 U | 0.25 U | 1.7 | 0.26 U |
| Total PCB Congeners (ND = 1/2 MDL) | 84 | 101 | 6.55 J | 3.05 J | 4.21 J | 11.63 J | 9.37 J |

Notes:

Bold = detected result

 Detected concentration is greater than the Post-remedial Dredge Area Concentration Level (Cleanup and Abatement Order [Water Board 2012])

 Detected concentration is greater than 120 percent of Post-remedial Dredge Area Concentration Level (Cleanup and Abatement Order [Water Board 2012])

U = indicates the compound or analyte was analyzed for but not detected at or greater than the MDL

J = estimated value

When totaling, if all individual analytes are non-detect, the total is equal to the highest detection limit reported. If there is a mix of detects and non-detects, non-detects are included in the sum at 1/2 the MDL.

1 Total HPAHs is the sum of six PAHs: fluoranthene, perylene, benzo(a)anthracene, chrysene, benzo(a)pyrene, and dibenzo(a,h)anthracene.

2 Total PCBs is the sum of 41 congeners: 18, 28, 37, 44, 49, 52, 66, 70, 74, 77, 81, 87, 99, 101, 105, 110, 114, 118, 119, 123, 126, 128, 138, 149, 151, 153, 156, 157, 158, 167, 168, 169, 170, 177, 180, 183, 187, 189, 194, 201, and 206.

µg/kg = micrograms per kilogram

HPAH = high-molecular weight polycyclic aromatic hydrocarbon

MDL = method detection limit

mg/kg = milligrams per kilogram

MLLW = mean lower low water

ND = non-detect

PAH = polycyclic aromatic hydrocarbon

PCB = polychlorinated biphenyl

**Table C-6
Scow 3002 Misplaced Material Area Analytical Data**

| | | | |
|--|--|--|-----------------|
| | Location ID | Scow 01 | |
| | Sample ID | SD-N-C-D-Scow-01-0535-150924 | |
| | Sample Type | Discrete | |
| | Sample Date | 9/24/2015 | |
| | Dredging Pass | 2 | |
| | Sample Depth (feet MLLW) | -55.9 | |
| | Latitude | 32°41.430 | |
| | Longitude | 117°08.683 | |
| Analyte | Post-remedial Dredge Conditions | 120% of Post-remedial Dredge Concentrations | |
| Conventional Parameters (%) | | | |
| Total Solids | - | - | 83.4 |
| Metals (mg/kg) | | | |
| Copper | 121 | 145 | 15.6 |
| Mercury | 0.57 | 0.68 | 0.00725J |
| HPAHs (µg/kg)¹ | | | |
| Benzo (a) Anthracene | - | - | 4.6 |
| Benzo (a) Pyrene | - | - | 6.2 |
| Chrysene | - | - | 4.0 |
| Dibenz (a,h) Anthracene | - | - | 2.3U |
| Fluoranthene | - | - | 8.7 |
| Perylene | - | - | 2.9U |
| Total HPAHs (ND = 1/2 MDL) | 663 | 796 | 26.1 |
| Organotins (µg/kg) | | | |
| Tributyltin | 22 | 26 | 1.8U |
| PCB Congeners (µg/kg)² | | | |
| PCB018 | - | - | 0.086U |
| PCB028 | - | - | 0.040U |
| PCB037 | - | - | 0.073U |
| PCB044 | - | - | 0.10U |
| PCB049 | - | - | 0.14U |
| PCB052 | - | - | 0.076U |
| PCB066 | - | - | 0.12U |
| PCB070 | - | - | 0.072U |
| PCB074 | - | - | 0.10U |
| PCB077 | - | - | 0.094U |
| PCB081 | - | - | 0.14U |
| PCB087 | - | - | 0.13U |
| PCB099 | - | - | 0.073U |
| PCB101 | - | - | 0.12U |
| PCB105 | - | - | 0.066U |
| PCB110 | - | - | 0.055U |
| PCB114 | - | - | 0.099U |
| PCB118 | - | - | 0.10U |
| PCB119 | - | - | 0.11U |
| PCB123 | - | - | 0.13U |
| PCB126 | - | - | 0.096U |
| PCB128 | - | - | 0.12U |
| PCB132/153 | - | - | 0.21U |
| PCB138/158 | - | - | 0.11U |
| PCB149 | - | - | 0.12U |
| PCB151 | - | - | 0.081U |
| PCB156 | - | - | 0.069U |
| PCB157 | - | - | 0.063U |
| PCB167 | - | - | 0.074U |
| PCB168 | - | - | 0.059U |
| PCB169 | - | - | 0.073U |
| PCB170 | - | - | 0.076U |
| PCB177 | - | - | 0.10U |
| PCB180 | - | - | 0.051U |


**Table C-6
Scow 3002 Misplaced Material Area Analytical Data**

| Location ID | | | Scow 01 |
|------------------------------------|---------------------------------|---|------------------------------|
| Sample ID | | | SD-N-C-D-Scow-01-0535-150924 |
| Sample Type | | | Discrete |
| Sample Date | | | 9/24/2015 |
| Dredging Pass | | | 2 |
| Sample Depth (feet MLLW) | | | -55.9 |
| Latitude | | | 32°41.430 |
| Longitude | | | 117°08.683 |
| Analyte | Post-remedial Dredge Conditions | 120% of Post-remedial Dredge Concentrations | |
| PCB183 | - | - | 0.13U |
| PCB187 | - | - | 0.10U |
| PCB189 | - | - | 0.074U |
| PCB194 | - | - | 0.14U |
| PCB201 | - | - | 0.12U |
| PCB206 | - | - | 0.23U |
| Total PCB Congeners (ND = 1/2 MDL) | 84 | 101 | 0.23U |

Notes:

Bold = detected result

 Detected concentration is greater than the Post-remedial Dredge Area Concentration Level (Cleanup and Abatement Order [Water Board 2012])

 Detected concentration is greater than 120 percent of Post-remedial Dredge Area Concentration Level (Cleanup and Abatement Order [Water Board 2012])

U = indicates the compound or analyte was analyzed for but not detected at or greater than the MDL

J = estimated value

When totaling, if all individual analytes are non-detect, the total is equal to the highest detection limit reported. If there is a mix of detects and non-detects, non-detects are included in the sum at 1/2 the MDL.

1 Total HPAHs is the sum of six PAHs: fluoranthene, perylene, benzo(a)anthracene, chrysene, benzo(a)pyrene, and dibenzo(a,h)anthracene.

2 Total PCBs is the sum of 41 congeners: 18, 28, 37, 44, 49, 52, 66, 70, 74, 77, 81, 87, 99, 101, 105, 110, 114, 118, 119, 123, 126, 128, 138, 149, 151, 153, 156, 157, 158, 167, 168, 169, 170, 177, 180, 183, 187, 189, 194, 201, and 206.

µg/kg = micrograms per kilogram

HPAH = high-molecular weight polycyclic aromatic hydrocarbon

MDL = method detection limit

mg/kg = milligrams per kilogram

MLLW = mean lower low water

ND = non-detect

PAH = polycyclic aromatic hydrocarbon

PCB = polychlorinated biphenyl



Environmental
Calscience

Supplemental Report 1

The original report has been revised/corrected.



WORK ORDER NUMBER: 15-03-0554

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: ANCHOR QEA, LLC

Client Project Name: San Diego Shipyard North

Attention: Adam Gale
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Nicole Scott for

Approved for release on 06/02/2015 by:
 Danielle Gonsman
 Project Manager

ResultLink ▶

Email your PM ▶



Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

Contents

Client Project Name: San Diego Shipyard North
 Work Order Number: 15-03-0554

| | | |
|---|--|----|
| 1 | Work Order Narrative. | 3 |
| 2 | Sample Summary. | 4 |
| 3 | Client Sample Data. | 5 |
| | 3.1 SM 2540 B (M) Total Solids (Solid). | 5 |
| | 3.2 EPA 6020 ICP/MS Metals (Solid). | 6 |
| | 3.3 EPA 7471A Mercury (Solid). | 7 |
| | 3.4 EPA 8270C SIM PAHs (Solid). | 8 |
| | 3.5 EPA 8270C SIM PCB Congeners (Solid). | 10 |
| | 3.6 Krone et al. Organotins (Solid). | 16 |
| 4 | Quality Control Sample Data. | 17 |
| | 4.1 MS/MSD. | 17 |
| | 4.2 PDS/PDSD. | 22 |
| | 4.3 Sample Duplicate. | 23 |
| | 4.4 LCS/LCSD. | 24 |
| 5 | Glossary of Terms and Qualifiers. | 29 |
| 6 | Chain-of-Custody/Sample Receipt Form. | 30 |

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 03/06/15. They were assigned to Work Order 15-03-0554.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of ≤ 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

Sample Summary

| | |
|------------------------------|--|
| Client: ANCHOR QEA, LLC | Work Order: 15-03-0554 |
| 27201 Puerta Real, Suite 350 | Project Name: San Diego Shipyard North |
| Mission Viejo, CA 92691-8306 | PO Number: |
| | Date/Time Received: 03/06/15 19:20 |
| | Number of Containers: 4 |

Attn: Adam Gale

| Sample Identification | Lab Number | Collection Date and Time | Number of Containers | Matrix |
|--------------------------|--------------|--------------------------|----------------------|----------|
| SD-N-C-14-D-0005-150306 | 15-03-0554-1 | 03/06/15 09:52 | 1 | Sediment |
| SD-N-C-14-D-0535-150306 | 15-03-0554-2 | 03/06/15 09:52 | 1 | Sediment |
| SD-N-C-14A-D-0005-150306 | 15-03-0554-3 | 03/06/15 12:22 | 1 | Sediment |
| SD-N-C-14A-D-0535-150306 | 15-03-0554-4 | 03/06/15 12:22 | 1 | Sediment |



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 03/06/15
Work Order: 15-03-0554
Preparation: N/A
Method: SM 2540 B (M)
Units: %

Project: San Diego Shipyard North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-14-D-0535-150306 | 15-03-0554-2-AA | 03/06/15 09:52 | Sediment | N/A | 03/07/15 | 03/07/15 18:00 | F0307TSB4 |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|---------------|--------|-------|-------|------|------------|
| Solids, Total | 84.0 | 0.100 | 0.100 | 1.00 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-14A-D-0535-150306 | 15-03-0554-4-AA | 03/06/15 12:22 | Sediment | N/A | 03/07/15 | 03/07/15 18:00 | F0307TSB4 |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|---------------|--------|-------|-------|------|------------|
| Solids, Total | 85.1 | 0.100 | 0.100 | 1.00 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-05-019-2848 | N/A | Solid | N/A | 03/07/15 | 03/07/15 18:00 | F0307TSB4 |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|---------------|--------|-------|-------|------|------------|
| Solids, Total | ND | 0.100 | 0.100 | 1.00 | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 03/06/15
Work Order: 15-03-0554
Preparation: EPA 3050B
Method: EPA 6020
Units: mg/kg

Project: San Diego Shipyard North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-14-D-0535-150306 | 15-03-0554-2-AA | 03/06/15 09:52 | Sediment | ICP/MS 04 | 03/07/15 | 03/09/15 18:11 | 150307L01E |

Comment(s): - Results are reported on a dry weight basis.
- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|-------|--------|------|------------|
| Copper | 10.4 | 0.119 | 0.0499 | 1.00 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-14A-D-0535-150306 | 15-03-0554-4-AA | 03/06/15 12:22 | Sediment | ICP/MS 04 | 03/07/15 | 03/09/15 18:26 | 150307L01E |

Comment(s): - Results are reported on a dry weight basis.
- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|-------|--------|------|------------|
| Copper | 17.4 | 0.118 | 0.0493 | 1.00 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-15-254-295 | N/A | Solid | ICP/MS 04 | 03/07/15 | 03/09/15 17:42 | 150307L01E |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|-------|--------|------|------------|
| Copper | ND | 0.100 | 0.0419 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 03/06/15
Work Order: 15-03-0554
Preparation: EPA 7471A Total
Method: EPA 7471A
Units: mg/kg

Project: San Diego Shipyard North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-14-D-0535-150306 | 15-03-0554-2-AA | 03/06/15 09:52 | Sediment | Mercury 05 | 03/09/15 | 03/09/15 15:37 | 150309L01E |

Comment(s): - Results are reported on a dry weight basis.
- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|--------|---------|------|------------|
| Mercury | 0.0152 | 0.0230 | 0.00676 | 1.00 | J |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-14A-D-0535-150306 | 15-03-0554-4-AA | 03/06/15 12:22 | Sediment | Mercury 05 | 03/09/15 | 03/09/15 15:39 | 150309L01E |

Comment(s): - Results are reported on a dry weight basis.
- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|--------|---------|------|------------|
| Mercury | 0.0132 | 0.0217 | 0.00637 | 1.00 | J |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-16-278-111 | N/A | Solid | Mercury 05 | 03/09/15 | 03/09/15 15:15 | 150309L01E |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|--------|---------|------|------------|
| Mercury | ND | 0.0200 | 0.00587 | 1.00 | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 03/06/15
Work Order: 15-03-0554
Preparation: EPA 3541
Method: EPA 8270C SIM PAHs
Units: ug/kg

Project: San Diego Shipyard North

Page 1 of 2

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-14-D-0535-150306 | 15-03-0554-2-AA | 03/06/15 09:52 | Sediment | GC/MS AAA | 03/07/15 | 03/09/15 16:33 | 150307L17 |

Comment(s): - Results are reported on a dry weight basis.
- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-------------------------|--------|----|-----|------|------------|
| Benzo (a) Anthracene | ND | 12 | 1.9 | 1.00 | |
| Benzo (a) Pyrene | ND | 12 | 1.2 | 1.00 | |
| Chrysene | ND | 12 | 1.4 | 1.00 | |
| Dibenz (a,h) Anthracene | ND | 12 | 1.2 | 1.00 | |
| Fluoranthene | ND | 12 | 1.2 | 1.00 | |
| Perylene | ND | 12 | 12 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|------------------|----------|----------------|------------|
| 2-Fluorobiphenyl | 98 | 14-146 | |
| Nitrobenzene-d5 | 89 | 18-162 | |
| p-Terphenyl-d14 | 98 | 34-148 | |

| SD-N-C-14A-D-0535-150306 | 15-03-0554-4-AA | 03/06/15 12:22 | Sediment | GC/MS AAA | 03/07/15 | 03/09/15 16:53 | 150307L17 |
|--------------------------|-----------------|-------------------|----------|-----------|----------|-------------------|-----------|
|--------------------------|-----------------|-------------------|----------|-----------|----------|-------------------|-----------|

Comment(s): - Results are reported on a dry weight basis.
- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-------------------------|--------|----|-----|------|------------|
| Benzo (a) Anthracene | 53 | 12 | 1.8 | 1.00 | |
| Benzo (a) Pyrene | 74 | 12 | 1.2 | 1.00 | |
| Chrysene | 69 | 12 | 1.4 | 1.00 | |
| Dibenz (a,h) Anthracene | 17 | 12 | 1.2 | 1.00 | |
| Fluoranthene | 150 | 12 | 1.2 | 1.00 | |
| Perylene | 16 | 12 | 11 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|------------------|----------|----------------|------------|
| 2-Fluorobiphenyl | 86 | 14-146 | |
| Nitrobenzene-d5 | 75 | 18-162 | |
| p-Terphenyl-d14 | 86 | 34-148 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 03/06/15
Work Order: 15-03-0554
Preparation: EPA 3541
Method: EPA 8270C SIM PAHs
Units: ug/kg

Project: San Diego Shipyard North

Page 2 of 2

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-14-097-157 | N/A | Solid | GC/MS AAA | 03/07/15 | 03/09/15 15:31 | 150307L17 |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-------------------------|--------|----|------|------|------------|
| Benzo (a) Anthracene | ND | 10 | 1.6 | 1.00 | |
| Benzo (a) Pyrene | ND | 10 | 1.0 | 1.00 | |
| Chrysene | ND | 10 | 1.2 | 1.00 | |
| Dibenz (a,h) Anthracene | ND | 10 | 1.0 | 1.00 | |
| Fluoranthene | ND | 10 | 0.98 | 1.00 | |
| Perylene | ND | 10 | 9.8 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|------------------|----------|----------------|------------|
| 2-Fluorobiphenyl | 90 | 14-146 | |
| Nitrobenzene-d5 | 84 | 18-162 | |
| p-Terphenyl-d14 | 75 | 34-148 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 03/06/15
Work Order: 15-03-0554
Preparation: EPA 3541
Method: EPA 8270C SIM PCB Congeners
Units: ug/kg

Project: San Diego Shipyard North

Page 1 of 6

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-14-D-0535-150306 | 15-03-0554-2-AA | 03/06/15 09:52 | Sediment | GC/MS HHH | 03/07/15 | 03/10/15 12:37 | 150307L18 |

Comment(s): - Results are reported on a dry weight basis.

- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|------------|--------|------|-------|------|------------|
| PCB018 | ND | 0.24 | 0.046 | 1.00 | |
| PCB028 | ND | 0.24 | 0.065 | 1.00 | |
| PCB037 | ND | 0.24 | 0.042 | 1.00 | |
| PCB044 | ND | 0.24 | 0.11 | 1.00 | |
| PCB049 | ND | 0.24 | 0.10 | 1.00 | |
| PCB052 | ND | 0.24 | 0.061 | 1.00 | |
| PCB066 | ND | 0.24 | 0.089 | 1.00 | |
| PCB070 | ND | 0.24 | 0.057 | 1.00 | |
| PCB074 | ND | 0.24 | 0.055 | 1.00 | |
| PCB077 | ND | 0.24 | 0.10 | 1.00 | |
| PCB081 | ND | 0.24 | 0.076 | 1.00 | |
| PCB087 | ND | 0.24 | 0.049 | 1.00 | |
| PCB099 | ND | 0.24 | 0.063 | 1.00 | |
| PCB101 | ND | 0.24 | 0.060 | 1.00 | |
| PCB105 | ND | 0.24 | 0.050 | 1.00 | |
| PCB110 | ND | 0.24 | 0.054 | 1.00 | |
| PCB114 | ND | 0.24 | 0.042 | 1.00 | |
| PCB118 | ND | 0.24 | 0.070 | 1.00 | |
| PCB119 | ND | 0.24 | 0.054 | 1.00 | |
| PCB123 | ND | 0.24 | 0.056 | 1.00 | |
| PCB126 | ND | 0.24 | 0.040 | 1.00 | |
| PCB128 | ND | 0.24 | 0.046 | 1.00 | |
| PCB132/153 | ND | 0.47 | 0.079 | 1.00 | |
| PCB138/158 | ND | 0.47 | 0.089 | 1.00 | |
| PCB149 | ND | 0.24 | 0.057 | 1.00 | |
| PCB151 | ND | 0.24 | 0.073 | 1.00 | |
| PCB156 | ND | 0.24 | 0.079 | 1.00 | |
| PCB157 | ND | 0.24 | 0.061 | 1.00 | |
| PCB167 | ND | 0.24 | 0.049 | 1.00 | |
| PCB168 | ND | 0.24 | 0.053 | 1.00 | |
| PCB169 | ND | 0.24 | 0.039 | 1.00 | |
| PCB170 | ND | 0.24 | 0.060 | 1.00 | |
| PCB177 | ND | 0.24 | 0.047 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 03/06/15
 Work Order: 15-03-0554
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyard North

Page 2 of 6

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|-----------------|-----------------------|-------------------|-----------|-------------------|
| PCB180 | ND | 0.24 | 0.036 | 1.00 | |
| PCB183 | ND | 0.24 | 0.038 | 1.00 | |
| PCB187 | ND | 0.24 | 0.046 | 1.00 | |
| PCB189 | ND | 0.24 | 0.030 | 1.00 | |
| PCB194 | ND | 0.24 | 0.049 | 1.00 | |
| PCB201 | ND | 0.24 | 0.052 | 1.00 | |
| PCB206 | ND | 0.24 | 0.053 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | | |
| 2-Fluorobiphenyl | 71 | 50-150 | | | |
| p-Terphenyl-d14 | 90 | 50-150 | | | |



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 03/06/15
Work Order: 15-03-0554
Preparation: EPA 3541
Method: EPA 8270C SIM PCB Congeners
Units: ug/kg

Project: San Diego Shipyard North

Page 3 of 6

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-14A-D-0535-150306 | 15-03-0554-4-AA | 03/06/15 12:22 | Sediment | GC/MS HHH | 03/07/15 | 03/10/15 13:02 | 150307L18 |

Comment(s): - Results are reported on a dry weight basis.

- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|------------|--------|------|-------|------|------------|
| PCB018 | ND | 0.24 | 0.046 | 1.00 | |
| PCB028 | ND | 0.24 | 0.065 | 1.00 | |
| PCB037 | ND | 0.24 | 0.042 | 1.00 | |
| PCB044 | ND | 0.24 | 0.11 | 1.00 | |
| PCB049 | 0.46 | 0.24 | 0.10 | 1.00 | |
| PCB052 | 0.19 | 0.24 | 0.060 | 1.00 | J |
| PCB066 | 0.27 | 0.24 | 0.088 | 1.00 | |
| PCB070 | 0.20 | 0.24 | 0.057 | 1.00 | J |
| PCB074 | 0.13 | 0.24 | 0.054 | 1.00 | J |
| PCB077 | ND | 0.24 | 0.10 | 1.00 | |
| PCB081 | ND | 0.24 | 0.075 | 1.00 | |
| PCB087 | 0.26 | 0.24 | 0.048 | 1.00 | |
| PCB099 | 0.37 | 0.24 | 0.063 | 1.00 | |
| PCB101 | 0.83 | 0.24 | 0.060 | 1.00 | |
| PCB105 | 0.25 | 0.24 | 0.049 | 1.00 | |
| PCB110 | 0.60 | 0.24 | 0.054 | 1.00 | |
| PCB114 | ND | 0.24 | 0.042 | 1.00 | |
| PCB118 | ND | 0.24 | 0.070 | 1.00 | |
| PCB119 | ND | 0.24 | 0.054 | 1.00 | |
| PCB123 | 0.50 | 0.24 | 0.055 | 1.00 | |
| PCB126 | ND | 0.24 | 0.040 | 1.00 | |
| PCB128 | ND | 0.24 | 0.046 | 1.00 | |
| PCB132/153 | 1.3 | 0.47 | 0.079 | 1.00 | |
| PCB138/158 | 0.75 | 0.47 | 0.088 | 1.00 | |
| PCB149 | 0.56 | 0.24 | 0.057 | 1.00 | |
| PCB151 | 0.20 | 0.24 | 0.073 | 1.00 | J |
| PCB156 | ND | 0.24 | 0.078 | 1.00 | |
| PCB157 | ND | 0.24 | 0.061 | 1.00 | |
| PCB167 | ND | 0.24 | 0.049 | 1.00 | |
| PCB168 | ND | 0.24 | 0.053 | 1.00 | |
| PCB169 | ND | 0.24 | 0.039 | 1.00 | |
| PCB170 | 0.27 | 0.24 | 0.059 | 1.00 | |
| PCB177 | 0.11 | 0.24 | 0.047 | 1.00 | J |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 03/06/15
 Work Order: 15-03-0554
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyard North

Page 4 of 6

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|-----------------|-----------------------|-------------------|-----------|-------------------|
| PCB180 | 0.40 | 0.24 | 0.036 | 1.00 | |
| PCB183 | 0.13 | 0.24 | 0.038 | 1.00 | J |
| PCB187 | 0.32 | 0.24 | 0.045 | 1.00 | |
| PCB189 | ND | 0.24 | 0.030 | 1.00 | |
| PCB194 | ND | 0.24 | 0.048 | 1.00 | |
| PCB201 | ND | 0.24 | 0.052 | 1.00 | |
| PCB206 | ND | 0.24 | 0.053 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | | |
| 2-Fluorobiphenyl | 72 | 50-150 | | | |
| p-Terphenyl-d14 | 92 | 50-150 | | | |



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 03/06/15
Work Order: 15-03-0554
Preparation: EPA 3541
Method: EPA 8270C SIM PCB Congeners
Units: ug/kg

Project: San Diego Shipyard North

Page 5 of 6

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-16-418-55 | N/A | Solid | GC/MS HHH | 03/07/15 | 03/10/15 12:11 | 150307L18 |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|------------|--------|------|-------|------|------------|
| PCB018 | ND | 0.20 | 0.039 | 1.00 | |
| PCB028 | ND | 0.20 | 0.055 | 1.00 | |
| PCB037 | ND | 0.20 | 0.035 | 1.00 | |
| PCB044 | ND | 0.20 | 0.092 | 1.00 | |
| PCB049 | ND | 0.20 | 0.086 | 1.00 | |
| PCB052 | ND | 0.20 | 0.051 | 1.00 | |
| PCB066 | ND | 0.20 | 0.075 | 1.00 | |
| PCB070 | ND | 0.20 | 0.048 | 1.00 | |
| PCB074 | ND | 0.20 | 0.046 | 1.00 | |
| PCB077 | ND | 0.20 | 0.085 | 1.00 | |
| PCB081 | ND | 0.20 | 0.064 | 1.00 | |
| PCB087 | ND | 0.20 | 0.041 | 1.00 | |
| PCB099 | ND | 0.20 | 0.054 | 1.00 | |
| PCB101 | ND | 0.20 | 0.051 | 1.00 | |
| PCB105 | ND | 0.20 | 0.042 | 1.00 | |
| PCB110 | ND | 0.20 | 0.046 | 1.00 | |
| PCB114 | ND | 0.20 | 0.036 | 1.00 | |
| PCB118 | ND | 0.20 | 0.059 | 1.00 | |
| PCB119 | ND | 0.20 | 0.046 | 1.00 | |
| PCB123 | ND | 0.20 | 0.047 | 1.00 | |
| PCB126 | ND | 0.20 | 0.034 | 1.00 | |
| PCB128 | ND | 0.20 | 0.039 | 1.00 | |
| PCB132/153 | ND | 0.40 | 0.067 | 1.00 | |
| PCB138/158 | ND | 0.40 | 0.075 | 1.00 | |
| PCB149 | ND | 0.20 | 0.048 | 1.00 | |
| PCB151 | ND | 0.20 | 0.062 | 1.00 | |
| PCB156 | ND | 0.20 | 0.066 | 1.00 | |
| PCB157 | ND | 0.20 | 0.051 | 1.00 | |
| PCB167 | ND | 0.20 | 0.042 | 1.00 | |
| PCB168 | ND | 0.20 | 0.045 | 1.00 | |
| PCB169 | ND | 0.20 | 0.033 | 1.00 | |
| PCB170 | ND | 0.20 | 0.050 | 1.00 | |
| PCB177 | ND | 0.20 | 0.040 | 1.00 | |
| PCB180 | ND | 0.20 | 0.030 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 03/06/15
Work Order: 15-03-0554
Preparation: EPA 3541
Method: EPA 8270C SIM PCB Congeners
Units: ug/kg

Project: San Diego Shipyard North

Page 6 of 6

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|-----------------|-----------------------|-------------------|-----------|-------------------|
| PCB183 | ND | 0.20 | 0.032 | 1.00 | |
| PCB187 | ND | 0.20 | 0.039 | 1.00 | |
| PCB189 | ND | 0.20 | 0.025 | 1.00 | |
| PCB194 | ND | 0.20 | 0.041 | 1.00 | |
| PCB201 | ND | 0.20 | 0.044 | 1.00 | |
| PCB206 | ND | 0.20 | 0.045 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | | |
| 2-Fluorobiphenyl | 70 | 50-150 | | | |
| p-Terphenyl-d14 | 71 | 50-150 | | | |



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 03/06/15
Work Order: 15-03-0554
Preparation: EPA 3550B (M)
Method: Organotins by Krone et al.
Units: ug/kg

Project: San Diego Shipyard North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-14-D-0535-150306 | 15-03-0554-2-AA | 03/06/15 09:52 | Sediment | GC/MS Y | 03/07/15 | 03/09/15 12:43 | 150307L19 |

Comment(s): - Results are reported on a dry weight basis.
- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-------------|--------|-----|-----|------|------------|
| Tributyltin | ND | 3.5 | 1.8 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|--------------|----------|----------------|------------|
| Tripentyltin | 85 | 27-135 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-14A-D-0535-150306 | 15-03-0554-4-AA | 03/06/15 12:22 | Sediment | GC/MS Y | 03/07/15 | 03/09/15 12:58 | 150307L19 |

Comment(s): - Results are reported on a dry weight basis.
- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-------------|--------|-----|-----|------|------------|
| Tributyltin | 6.7 | 3.5 | 1.7 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|--------------|----------|----------------|------------|
| Tripentyltin | 82 | 27-135 | |

| Method Blank | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-07-016-1240 | N/A | Solid | GC/MS Y | 03/07/15 | 03/09/15 12:27 | 150307L19 |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-------------|--------|-----|-----|------|------------|
| Tributyltin | ND | 3.0 | 1.5 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|--------------|----------|----------------|------------|
| Tripentyltin | 89 | 27-135 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 03/06/15
Work Order: 15-03-0554
Preparation: EPA 3050B
Method: EPA 6020

Project: San Diego Shipyard North

Page 1 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-14-D-0535-150306 | Sample | Sediment | ICP/MS 04 | 03/07/15 | 03/09/15 18:11 | 150307S01 |
| SD-N-C-14-D-0535-150306 | Matrix Spike | Sediment | ICP/MS 04 | 03/07/15 | 03/09/15 17:57 | 150307S01 |
| SD-N-C-14-D-0535-150306 | Matrix Spike Duplicate | Sediment | ICP/MS 04 | 03/07/15 | 03/09/15 18:00 | 150307S01 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Copper | 8.772 | 25.00 | 34.44 | 103 | 36.58 | 111 | 80-120 | 6 | 0-20 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 03/06/15
Work Order: 15-03-0554
Preparation: EPA 7471A Total
Method: EPA 7471A

Project: San Diego Shipyard North

Page 2 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|--------|------------|---------------|----------------|---------------------|
| 15-03-0152-1 | Sample | Solid | Mercury 05 | 03/09/15 | 03/09/15 15:19 | 150309S01 |
| 15-03-0152-1 | Matrix Spike | Solid | Mercury 05 | 03/09/15 | 03/09/15 15:21 | 150309S01 |
| 15-03-0152-1 | Matrix Spike Duplicate | Solid | Mercury 05 | 03/09/15 | 03/09/15 15:24 | 150309S01 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Mercury | ND | 0.8350 | 0.7732 | 93 | 0.8016 | 96 | 71-137 | 4 | 0-14 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 03/06/15
Work Order: 15-03-0554
Preparation: EPA 3541
Method: EPA 8270C SIM PAHs

Project: San Diego Shipyard North

Page 3 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-14-D-0535-150306 | Sample | Sediment | GC/MS AAA | 03/07/15 | 03/09/15 16:33 | 150307S17 |
| SD-N-C-14-D-0535-150306 | Matrix Spike | Sediment | GC/MS AAA | 03/07/15 | 03/09/15 15:51 | 150307S17 |
| SD-N-C-14-D-0535-150306 | Matrix Spike Duplicate | Sediment | GC/MS AAA | 03/07/15 | 03/09/15 16:13 | 150307S17 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-------------------------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Benzo (a) Anthracene | ND | 100.0 | 133.6 | 134 | 138.1 | 138 | 40-160 | 3 | 0-20 | |
| Benzo (a) Pyrene | ND | 100.0 | 134.8 | 135 | 139.3 | 139 | 40-160 | 3 | 0-20 | |
| Chrysene | ND | 100.0 | 136.2 | 136 | 139.1 | 139 | 40-160 | 2 | 0-20 | |
| Dibenz (a,h) Anthracene | ND | 100.0 | 129.3 | 129 | 131.2 | 131 | 40-160 | 1 | 0-20 | |
| Fluoranthene | ND | 100.0 | 137.6 | 138 | 139.7 | 140 | 40-160 | 1 | 0-20 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 03/06/15
Work Order: 15-03-0554
Preparation: EPA 3541
Method: EPA 8270C SIM PCB Congeners

Project: San Diego Shipyard North

Page 4 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-14-D-0535-150306 | Sample | Sediment | GC/MS HHH | 03/07/15 | 03/10/15 12:37 | 150307S18 |
| SD-N-C-14-D-0535-150306 | Matrix Spike | Sediment | GC/MS HHH | 03/07/15 | 03/10/15 14:18 | 150307S18 |
| SD-N-C-14-D-0535-150306 | Matrix Spike Duplicate | Sediment | GC/MS HHH | 03/07/15 | 03/10/15 14:44 | 150307S18 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| PCB018 | ND | 50.00 | 36.21 | 72 | 40.65 | 81 | 50-150 | 12 | 0-25 | |
| PCB028 | ND | 50.00 | 39.99 | 80 | 45.40 | 91 | 50-150 | 13 | 0-25 | |
| PCB044 | ND | 50.00 | 36.85 | 74 | 41.56 | 83 | 50-150 | 12 | 0-25 | |
| PCB052 | ND | 50.00 | 32.84 | 66 | 37.28 | 75 | 50-150 | 13 | 0-25 | |
| PCB066 | ND | 50.00 | 41.62 | 83 | 48.11 | 96 | 50-150 | 14 | 0-25 | |
| PCB077 | ND | 50.00 | 39.55 | 79 | 45.57 | 91 | 50-150 | 14 | 0-25 | |
| PCB101 | ND | 50.00 | 35.40 | 71 | 40.70 | 81 | 50-150 | 14 | 0-25 | |
| PCB105 | ND | 50.00 | 37.75 | 75 | 43.12 | 86 | 50-150 | 13 | 0-25 | |
| PCB118 | ND | 50.00 | 38.27 | 77 | 44.09 | 88 | 50-150 | 14 | 0-25 | |
| PCB126 | ND | 50.00 | 36.33 | 73 | 42.08 | 84 | 50-150 | 15 | 0-25 | |
| PCB128 | ND | 50.00 | 30.72 | 61 | 35.72 | 71 | 50-150 | 15 | 0-25 | |
| PCB170 | ND | 50.00 | 34.51 | 69 | 38.87 | 78 | 50-150 | 12 | 0-25 | |
| PCB180 | ND | 50.00 | 31.32 | 63 | 36.28 | 73 | 50-150 | 15 | 0-25 | |
| PCB187 | ND | 50.00 | 32.93 | 66 | 37.96 | 76 | 50-150 | 14 | 0-25 | |
| PCB206 | ND | 50.00 | 36.17 | 72 | 40.06 | 80 | 50-150 | 10 | 0-25 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 03/06/15
Work Order: 15-03-0554
Preparation: EPA 3550B (M)
Method: Organotins by Krone et al.

Project: San Diego Shipyard North

Page 5 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-14-D-0535-150306 | Sample | Sediment | GC/MS Y | 03/07/15 | 03/09/15 12:43 | 150307S19 |
| SD-N-C-14-D-0535-150306 | Matrix Spike | Sediment | GC/MS Y | 03/07/15 | 03/09/15 13:14 | 150307S19 |
| SD-N-C-14-D-0535-150306 | Matrix Spike Duplicate | Sediment | GC/MS Y | 03/07/15 | 03/09/15 13:29 | 150307S19 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-------------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Tributyltin | ND | 100.0 | 65.79 | 66 | 62.42 | 62 | 34-142 | 5 | 0-50 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - PDS

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 03/06/15
Work Order: 15-03-0554
Preparation: EPA 3050B
Method: EPA 6020

Project: San Diego Shipyard North

Page 1 of 1

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | PDS/PDSD Batch Number |
|---------------------------|--------|----------|------------|----------------|----------------|-----------------------|
| SD-N-C-14-D-0535-150306 | Sample | Sediment | ICP/MS 04 | 03/07/15 00:00 | 03/09/15 18:11 | 150307S01 |
| SD-N-C-14-D-0535-150306 | PDS | Sediment | ICP/MS 04 | 03/07/15 00:00 | 03/09/15 18:04 | 150307S01 |

| Parameter | Sample Conc. | Spike Added | PDS Conc. | PDS %Rec. | %Rec. CL | Qualifiers |
|-----------|--------------|-------------|-----------|-----------|----------|------------|
| Copper | 8.772 | 25.00 | 33.63 | 99 | 75-125 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Sample Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 03/06/15
 Work Order: 15-03-0554
 Preparation: N/A
 Method: SM 2540 B (M)

Project: San Diego Shipyard North

Page 1 of 1

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | Duplicate Batch Number |
|---------------------------|------------------|----------|------------|----------------|----------------|------------------------|
| SD-N-C-14-D-0535-150306 | Sample | Sediment | N/A | 03/07/15 00:00 | 03/07/15 18:00 | F0307TSD4 |
| SD-N-C-14-D-0535-150306 | Sample Duplicate | Sediment | N/A | 03/07/15 00:00 | 03/07/15 18:00 | F0307TSD4 |

| Parameter | Sample Conc. | DUP Conc. | RPD | RPD CL | Qualifiers |
|---------------|--------------|-----------|-----|--------|------------|
| Solids, Total | 84.00 | 84.20 | 0 | 0-10 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 03/06/15
Work Order: 15-03-0554
Preparation: EPA 3050B
Method: EPA 6020

Project: San Diego Shipyard North

Page 1 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number | | | |
|---------------------------|-------------|-----------|------------|---------------|----------------|-----------------------|-----|--------|------------|
| 099-15-254-295 | LCS | Solid | ICP/MS 04 | 03/07/15 | 03/09/15 17:46 | 150307L01E | | | |
| 099-15-254-295 | LCSD | Solid | ICP/MS 04 | 03/07/15 | 03/09/15 17:49 | 150307L01E | | | |
| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
| Copper | 25.00 | 27.36 | 109 | 26.85 | 107 | 80-120 | 2 | 0-20 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 03/06/15
Work Order: 15-03-0554
Preparation: EPA 7471A Total
Method: EPA 7471A

Project: San Diego Shipyard North

Page 2 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number | | | |
|---------------------------|-------------|-----------|------------|---------------|----------------|-----------------------|-----|--------|------------|
| 099-16-278-111 | LCS | Solid | Mercury 05 | 03/09/15 | 03/09/15 15:17 | 150309L01E | | | |
| 099-16-278-111 | LCSD | Solid | Mercury 05 | 03/09/15 | 03/09/15 18:21 | 150309L01E | | | |
| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
| Mercury | 0.8350 | 0.7711 | 92 | 0.9040 | 108 | 82-124 | 16 | 0-16 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 03/06/15
Work Order: 15-03-0554
Preparation: EPA 3541
Method: EPA 8270C SIM PAHs

Project: San Diego Shipyard North

Page 3 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number | | | |
|---------------------------|-------------|-----------|------------|---------------|----------------|-----------------------|-----|--------|------------|
| 099-14-097-157 | LCS | Solid | GC/MS AAA | 03/07/15 | 03/09/15 14:51 | 150307L17 | | | |
| 099-14-097-157 | LCSD | Solid | GC/MS AAA | 03/07/15 | 03/09/15 15:11 | 150307L17 | | | |
| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
| Benzo (a) Anthracene | 100.0 | 89.67 | 90 | 80.02 | 80 | 40-160 | 11 | 0-20 | |
| Benzo (a) Pyrene | 100.0 | 93.38 | 93 | 82.36 | 82 | 40-160 | 13 | 0-20 | |
| Chrysene | 100.0 | 90.42 | 90 | 81.41 | 81 | 40-160 | 10 | 0-20 | |
| Dibenz (a,h) Anthracene | 100.0 | 88.82 | 89 | 78.33 | 78 | 40-160 | 13 | 0-20 | |
| Fluoranthene | 100.0 | 90.54 | 91 | 79.49 | 79 | 40-160 | 13 | 0-20 | |

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 03/06/15
Work Order: 15-03-0554
Preparation: EPA 3541
Method: EPA 8270C SIM PCB Congeners

Project: San Diego Shipyard North

Page 4 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number | | | | |
|---------------------------|-------------|-----------|------------|---------------|----------------|-----------------------|--------|-----|--------|------------|
| 099-16-418-55 | LCS | Solid | GC/MS HHH | 03/07/15 | 03/10/15 13:27 | 150307L18 | | | | |
| 099-16-418-55 | LCSD | Solid | GC/MS HHH | 03/07/15 | 03/10/15 13:53 | 150307L18 | | | | |
| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | ME CL | RPD | RPD CL | Qualifiers |
| PCB018 | 50.00 | 32.40 | 65 | 32.20 | 64 | 50-150 | 33-167 | 1 | 0-25 | |
| PCB028 | 50.00 | 34.63 | 69 | 34.24 | 68 | 50-150 | 33-167 | 1 | 0-25 | |
| PCB044 | 50.00 | 31.19 | 62 | 31.05 | 62 | 50-150 | 33-167 | 0 | 0-25 | |
| PCB052 | 50.00 | 28.05 | 56 | 28.17 | 56 | 50-150 | 33-167 | 0 | 0-25 | |
| PCB066 | 50.00 | 35.88 | 72 | 35.80 | 72 | 50-150 | 33-167 | 0 | 0-25 | |
| PCB077 | 50.00 | 33.91 | 68 | 33.32 | 67 | 50-150 | 33-167 | 2 | 0-25 | |
| PCB101 | 50.00 | 30.25 | 61 | 29.71 | 59 | 50-150 | 33-167 | 2 | 0-25 | |
| PCB105 | 50.00 | 32.49 | 65 | 31.80 | 64 | 50-150 | 33-167 | 2 | 0-25 | |
| PCB118 | 50.00 | 33.36 | 67 | 32.65 | 65 | 50-150 | 33-167 | 2 | 0-25 | |
| PCB126 | 50.00 | 31.51 | 63 | 30.85 | 62 | 50-150 | 33-167 | 2 | 0-25 | |
| PCB128 | 50.00 | 26.67 | 53 | 26.14 | 52 | 50-150 | 33-167 | 2 | 0-25 | |
| PCB170 | 50.00 | 29.51 | 59 | 28.61 | 57 | 50-150 | 33-167 | 3 | 0-25 | |
| PCB180 | 50.00 | 27.00 | 54 | 26.07 | 52 | 50-150 | 33-167 | 3 | 0-25 | |
| PCB187 | 50.00 | 28.50 | 57 | 27.68 | 55 | 50-150 | 33-167 | 3 | 0-25 | |
| PCB206 | 50.00 | 29.92 | 60 | 29.17 | 58 | 50-150 | 33-167 | 3 | 0-25 | |

Total number of LCS compounds: 15

Total number of ME compounds: 0

Total number of ME compounds allowed: 1

LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 03/06/15
Work Order: 15-03-0554
Preparation: EPA 3550B (M)
Method: Organotins by Krone et al.

Project: San Diego Shipyard North

Page 5 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number | | | |
|---------------------------|-------------|-----------|------------|---------------|----------------|-----------------------|-----|--------|------------|
| 099-07-016-1240 | LCS | Solid | GC/MS Y | 03/07/15 | 03/09/15 11:55 | 150307L19 | | | |
| 099-07-016-1240 | LCSD | Solid | GC/MS Y | 03/07/15 | 03/09/15 12:11 | 150307L19 | | | |
| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
| Tributyltin | 100.0 | 79.39 | 79 | 71.75 | 72 | 33-147 | 10 | 0-20 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Glossary of Terms and Qualifiers

Work Order: 15-03-0554

Page 1 of 1

| <u>Qualifiers</u> | <u>Definition</u> |
|-------------------|---|
| * | See applicable analysis comment. |
| < | Less than the indicated value. |
| > | Greater than the indicated value. |
| 1 | Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification. |
| 2 | Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification. |
| 3 | Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control. |
| 4 | The MS/MSD RPD was out of control due to suspected matrix interference. |
| 5 | The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference. |
| 6 | Surrogate recovery below the acceptance limit. |
| 7 | Surrogate recovery above the acceptance limit. |
| B | Analyte was present in the associated method blank. |
| BU | Sample analyzed after holding time expired. |
| BV | Sample received after holding time expired. |
| CI | See case narrative. |
| E | Concentration exceeds the calibration range. |
| ET | Sample was extracted past end of recommended max. holding time. |
| HD | The chromatographic pattern was inconsistent with the profile of the reference fuel standard. |
| HDH | The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected). |
| HDL | The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected). |
| J | Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated. |
| JA | Analyte positively identified but quantitation is an estimate. |
| ME | LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean). |
| ND | Parameter not detected at the indicated reporting limit. |
| Q | Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater. |
| SG | The sample extract was subjected to Silica Gel treatment prior to analysis. |
| X | % Recovery and/or RPD out-of-range. |
| Z | Analyte presence was not confirmed by second column or GC/MS analysis. |
| | Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis. |
| | Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time. |
| | A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations. |

Calscience

WORK ORDER #: 15-03-0554

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: ANCHOR QEA

DATE: 03/06/15

TEMPERATURE: Thermometer ID: SC4 (Criteria: 0.0 °C – 6.0 °C, not frozen except sediment/tissue)

Temperature 1.5 °C + 0.2 °C (CF) = 1.7 °C Blank Sample

Sample(s) outside temperature criteria (PM/APM contacted by: _____)

Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: Air Filter

Checked by: 671

CUSTODY SEALS INTACT:

Cooler _____ No (Not Intact) Not Present N/A Checked by: 671

Sample _____ No (Not Intact) Not Present Checked by: 965

SAMPLE CONDITION:

| | Yes | No | N/A |
|--|-------------------------------------|--------------------------|--------------------------|
| Chain-Of-Custody (COC) document(s) received with samples..... | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| COC document(s) received complete..... | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> Collection date/time, matrix, and/or # of containers logged in based on sample labels. | | | |
| <input type="checkbox"/> No analysis requested. <input type="checkbox"/> Not relinquished. <input type="checkbox"/> No date/time relinquished. | | | |
| Sampler's name indicated on COC..... | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Sample container label(s) consistent with COC..... | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Sample container(s) intact and good condition..... | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Proper containers and sufficient volume for analyses requested..... | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Analyses received within holding time..... | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Aqueous samples received within 15-minute holding time

pH Residual Chlorine Dissolved Sulfides Dissolved Oxygen.....

Proper preservation noted on COC or sample container..... 776

Unpreserved vials received for Volatiles analysis

Volatile analysis container(s) free of headspace.....

Tedlar bag(s) free of condensation.....

CONTAINER TYPE:

Solid: 4ozCGJ 8ozCGJ 16ozCGJ Sleeve (____) EnCores® TerraCores® _____

Aqueous: VOA VOAh VOAna₂ 125AGB 125AGBh 125AGBp 1AGB 1AGBna₂ 1AGBs

500AGB 500AGJ 500AGJs 250AGB 250CGB 250CGBs 1PB 1PBna 500PB

250PB 250PBn 125PB 125PBz_{nna} 100PJ 100PJna₂ _____ _____ _____

Air: Tedlar® Canister Other: _____ Trip Blank Lot#: _____ Labeled/Checked by: 965

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope Reviewed by: 776

Preservative: h: HCL n: HNO₃ na₂:Na₂S₂O₃ na: NaOH p: H₃PO₄ s: H₂SO₄ u: Ultra-pure z_{nna}: ZnAc₂+NaOH f: Filtered Scanned by: 776

Return to Contents



eurofins

Environmental
Calscience

Supplemental Report 4



WORK ORDER NUMBER: 15-05-0268

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: ANCHOR QEA, LLC

Client Project Name: San Diego Shipyard North

Attention: Adam Gale
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Approved for release on 02/05/2016 by:
Carla Hollowell
Project Manager

ResultLink ▶

Email your PM ▶



Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

Client Project Name: San Diego Shipyard North
Work Order Number: 15-05-0268

| | | |
|---|--|----|
| 1 | Work Order Narrative. | 3 |
| 2 | Sample Summary. | 4 |
| 3 | Client Sample Data. | 5 |
| | 3.1 SM 2540 B (M) Total Solids (Solid). | 5 |
| | 3.2 EPA 6020 ICP/MS Metals (Solid). | 6 |
| | 3.3 EPA 7471A Mercury (Solid). | 7 |
| | 3.4 EPA 8270C SIM PAHs (Solid). | 8 |
| | 3.5 EPA 8270C SIM PCB Congeners (Solid). | 9 |
| | 3.6 Krone et al. Organotins (Solid). | 13 |
| 4 | Quality Control Sample Data. | 14 |
| | 4.1 MS/MSD. | 14 |
| | 4.2 PDS/PDSD. | 19 |
| | 4.3 Sample Duplicate. | 20 |
| | 4.4 LCS/LCSD. | 21 |
| 5 | Glossary of Terms and Qualifiers. | 26 |
| 6 | Chain-of-Custody/Sample Receipt Form. | 27 |

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 05/05/15. They were assigned to Work Order 15-05-0268.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of ≤ 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

Sample Summary

| | |
|------------------------------|--|
| Client: ANCHOR QEA, LLC | Work Order: 15-05-0268 |
| 27201 Puerta Real, Suite 350 | Project Name: San Diego Shipyard North |
| Mission Viejo, CA 92691-8306 | PO Number: |
| | Date/Time Received: 05/05/15 18:50 |
| | Number of Containers: 4 |

Attn: Adam Gale

| Sample Identification | Lab Number | Collection Date and Time | Number of Containers | Matrix |
|--------------------------|--------------|--------------------------|----------------------|----------|
| SD-N-C-01B-D-0535-150505 | 15-05-0268-2 | 05/05/15 11:00 | 1 | Sediment |

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 05/05/15
 Work Order: 15-05-0268
 Preparation: N/A
 Method: SM 2540 B (M)
 Units: %

Project: San Diego Shipyard North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-01B-D-0535-150505 | 15-05-0268-2-AA | 05/05/15 11:00 | Sediment | N/A | 05/05/15 | 05/06/15 12:00 | F0506TSB1 |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|---------------|--------|-------|-------|------|------------|
| Solids, Total | 82.5 | 0.100 | 0.100 | 1.00 | |

| Method Blank | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-05-019-2898 | N/A | Solid | N/A | 05/05/15 | 05/06/15 12:00 | F0506TSB1 |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|---------------|--------|-------|-------|------|------------|
| Solids, Total | ND | 0.100 | 0.100 | 1.00 | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 05/05/15
 Work Order: 15-05-0268
 Preparation: EPA 3050B
 Method: EPA 6020
 Units: mg/kg

Project: San Diego Shipyard North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|---------------------------------|------------------------|---------------------------|-----------------|------------------|-----------------|---------------------------|-------------------|
| SD-N-C-01B-D-0535-150505 | 15-05-0268-2-AA | 05/05/15 11:00 | Sediment | ICP/MS 04 | 05/05/15 | 05/06/15 13:26 | 150505L01E |

Comment(s):
 - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|---------------|-----------|------------|-----------|-------------------|
| Copper | 27.0 | 0.121 | 0.0508 | 1.00 | |

| | | | | | | | |
|---------------------|-----------------------|------------|--------------|------------------|-----------------|---------------------------|-------------------|
| Method Blank | 099-15-254-316 | N/A | Solid | ICP/MS 04 | 05/05/15 | 05/06/15 16:54 | 150505L01E |
|---------------------|-----------------------|------------|--------------|------------------|-----------------|---------------------------|-------------------|

Comment(s):
 - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|---------------|-----------|------------|-----------|-------------------|
| Copper | ND | 0.100 | 0.0419 | 1.00 | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 05/05/15
 Work Order: 15-05-0268
 Preparation: EPA 7471A Total
 Method: EPA 7471A
 Units: mg/kg

Project: San Diego Shipyard North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-01B-D-0535-150505 | 15-05-0268-2-AA | 05/05/15 11:00 | Sediment | Mercury 05 | 05/06/15 | 05/06/15 12:59 | 150505L02E |

Comment(s):
 - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|--------|---------|------|------------|
| Mercury | 0.0383 | 0.0251 | 0.00736 | 1.00 | |

| Method Blank | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-16-278-136 | N/A | Solid | Mercury 05 | 05/05/15 | 05/05/15 18:36 | 150505L02E |

Comment(s):
 - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|--------|---------|------|------------|
| Mercury | ND | 0.0200 | 0.00587 | 1.00 | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 05/05/15
 Work Order: 15-05-0268
 Preparation: EPA 3541
 Method: EPA 8270C SIM PAHs
 Units: ug/kg

Project: San Diego Shipyard North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-01B-D-0535-150505 | 15-05-0268-2-AA | 05/05/15 11:00 | Sediment | GC/MS AAA | 05/05/15 | 05/06/15 17:33 | 150505L16 |

Comment(s): - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-------------------------|--------|----|-----|------|------------|
| Benzo (a) Anthracene | 39 | 12 | 2.6 | 1.00 | |
| Benzo (a) Pyrene | 26 | 12 | 2.2 | 1.00 | |
| Chrysene | 38 | 12 | 2.7 | 1.00 | |
| Dibenz (a,h) Anthracene | 2.7 | 12 | 2.4 | 1.00 | J |
| Fluoranthene | 160 | 12 | 2.2 | 1.00 | |
| Perylene | 7.3 | 12 | 2.9 | 1.00 | J |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|------------------|----------|----------------|------------|
| 2-Fluorobiphenyl | 76 | 14-146 | |
| Nitrobenzene-d5 | 71 | 18-162 | |
| p-Terphenyl-d14 | 68 | 34-148 | |

| Method Blank | 099-14-097-160 | N/A | Solid | GC/MS AAA | 05/05/15 | 05/06/15 17:13 | 150505L16 |
|--------------|----------------|-----|-------|-----------|----------|----------------|-----------|
|--------------|----------------|-----|-------|-----------|----------|----------------|-----------|

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-------------------------|--------|----|-----|------|------------|
| Benzo (a) Anthracene | ND | 10 | 2.2 | 1.00 | |
| Benzo (a) Pyrene | ND | 10 | 1.8 | 1.00 | |
| Chrysene | ND | 10 | 2.2 | 1.00 | |
| Dibenz (a,h) Anthracene | ND | 10 | 2.0 | 1.00 | |
| Fluoranthene | ND | 10 | 1.8 | 1.00 | |
| Perylene | ND | 10 | 2.4 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|------------------|----------|----------------|------------|
| 2-Fluorobiphenyl | 77 | 14-146 | |
| Nitrobenzene-d5 | 71 | 18-162 | |
| p-Terphenyl-d14 | 69 | 34-148 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 05/05/15
 Work Order: 15-05-0268
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyard North

Page 1 of 4

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-01B-D-0535-150505 | 15-05-0268-2-AA | 05/05/15 11:00 | Sediment | GC/MS HHH | 05/05/15 | 05/07/15 12:54 | 150505L17 |

Comment(s): - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|------------|--------|------|-------|------|------------|
| PCB018 | 1.3 | 0.24 | 0.087 | 1.00 | |
| PCB028 | 1.1 | 0.24 | 0.041 | 1.00 | |
| PCB037 | 0.39 | 0.24 | 0.074 | 1.00 | |
| PCB044 | 2.9 | 0.24 | 0.11 | 1.00 | |
| PCB049 | 1.8 | 0.24 | 0.14 | 1.00 | |
| PCB052 | 6.2 | 0.24 | 0.076 | 1.00 | |
| PCB066 | 2.1 | 0.24 | 0.12 | 1.00 | |
| PCB070 | 4.3 | 0.24 | 0.073 | 1.00 | |
| PCB074 | 1.2 | 0.24 | 0.11 | 1.00 | |
| PCB077 | 0.92 | 0.24 | 0.095 | 1.00 | |
| PCB081 | ND | 0.24 | 0.15 | 1.00 | |
| PCB087 | 3.5 | 0.24 | 0.13 | 1.00 | |
| PCB099 | 3.1 | 0.24 | 0.074 | 1.00 | |
| PCB101 | 9.7 | 0.24 | 0.12 | 1.00 | |
| PCB105 | 2.7 | 0.24 | 0.067 | 1.00 | |
| PCB110 | 8.5 | 0.24 | 0.056 | 1.00 | |
| PCB114 | 0.21 | 0.24 | 0.10 | 1.00 | J |
| PCB118 | 7.2 | 0.24 | 0.10 | 1.00 | |
| PCB119 | 0.24 | 0.24 | 0.12 | 1.00 | J |
| PCB123 | 0.61 | 0.24 | 0.13 | 1.00 | |
| PCB126 | ND | 0.24 | 0.097 | 1.00 | |
| PCB128 | 1.7 | 0.24 | 0.12 | 1.00 | |
| PCB132/153 | 9.3 | 0.49 | 0.21 | 1.00 | |
| PCB138/158 | 8.6 | 0.49 | 0.11 | 1.00 | |
| PCB149 | 5.0 | 0.24 | 0.12 | 1.00 | |
| PCB151 | 1.1 | 0.24 | 0.082 | 1.00 | |
| PCB156 | 1.1 | 0.24 | 0.070 | 1.00 | |
| PCB157 | 0.30 | 0.24 | 0.064 | 1.00 | |
| PCB167 | 0.29 | 0.24 | 0.075 | 1.00 | |
| PCB168 | ND | 0.24 | 0.059 | 1.00 | |
| PCB169 | 0.099 | 0.24 | 0.074 | 1.00 | J |
| PCB170 | 1.3 | 0.24 | 0.077 | 1.00 | |
| PCB177 | 0.42 | 0.24 | 0.11 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 05/05/15
 Work Order: 15-05-0268
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyard North

Page 2 of 4

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|-----------------|-----------------------|-------------------|-----------|-------------------|
| PCB180 | 1.9 | 0.24 | 0.051 | 1.00 | |
| PCB183 | 0.54 | 0.24 | 0.13 | 1.00 | |
| PCB187 | 0.90 | 0.24 | 0.10 | 1.00 | |
| PCB189 | ND | 0.24 | 0.074 | 1.00 | |
| PCB194 | 0.39 | 0.24 | 0.14 | 1.00 | |
| PCB201 | ND | 0.24 | 0.12 | 1.00 | |
| PCB206 | ND | 0.24 | 0.23 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | | |
| 2-Fluorobiphenyl | 58 | 50-150 | | | |
| p-Terphenyl-d14 | 79 | 50-150 | | | |

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 05/05/15
 Work Order: 15-05-0268
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyard North

Page 3 of 4

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-16-418-74 | N/A | Solid | GC/MS HHH | 05/05/15 | 05/06/15 17:23 | 150505L17 |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|------------|--------|------|-------|------|------------|
| PCB018 | ND | 0.20 | 0.071 | 1.00 | |
| PCB028 | ND | 0.20 | 0.034 | 1.00 | |
| PCB037 | ND | 0.20 | 0.060 | 1.00 | |
| PCB044 | ND | 0.20 | 0.087 | 1.00 | |
| PCB049 | ND | 0.20 | 0.11 | 1.00 | |
| PCB052 | ND | 0.20 | 0.063 | 1.00 | |
| PCB066 | ND | 0.20 | 0.10 | 1.00 | |
| PCB070 | ND | 0.20 | 0.060 | 1.00 | |
| PCB074 | ND | 0.20 | 0.087 | 1.00 | |
| PCB077 | ND | 0.20 | 0.078 | 1.00 | |
| PCB081 | ND | 0.20 | 0.12 | 1.00 | |
| PCB087 | ND | 0.20 | 0.11 | 1.00 | |
| PCB099 | ND | 0.20 | 0.061 | 1.00 | |
| PCB101 | ND | 0.20 | 0.098 | 1.00 | |
| PCB105 | ND | 0.20 | 0.055 | 1.00 | |
| PCB110 | ND | 0.20 | 0.046 | 1.00 | |
| PCB114 | ND | 0.20 | 0.082 | 1.00 | |
| PCB118 | ND | 0.20 | 0.084 | 1.00 | |
| PCB119 | ND | 0.20 | 0.094 | 1.00 | |
| PCB123 | ND | 0.20 | 0.10 | 1.00 | |
| PCB126 | ND | 0.20 | 0.080 | 1.00 | |
| PCB128 | ND | 0.20 | 0.10 | 1.00 | |
| PCB132/153 | ND | 0.40 | 0.17 | 1.00 | |
| PCB138/158 | ND | 0.40 | 0.094 | 1.00 | |
| PCB149 | ND | 0.20 | 0.098 | 1.00 | |
| PCB151 | ND | 0.20 | 0.067 | 1.00 | |
| PCB156 | ND | 0.20 | 0.058 | 1.00 | |
| PCB157 | ND | 0.20 | 0.052 | 1.00 | |
| PCB167 | ND | 0.20 | 0.062 | 1.00 | |
| PCB168 | ND | 0.20 | 0.049 | 1.00 | |
| PCB169 | ND | 0.20 | 0.061 | 1.00 | |
| PCB170 | ND | 0.20 | 0.063 | 1.00 | |
| PCB177 | ND | 0.20 | 0.087 | 1.00 | |
| PCB180 | ND | 0.20 | 0.042 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 05/05/15
 Work Order: 15-05-0268
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyard North

Page 4 of 4

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|-----------------|-----------------------|-------------------|-----------|-------------------|
| PCB183 | ND | 0.20 | 0.11 | 1.00 | |
| PCB187 | ND | 0.20 | 0.084 | 1.00 | |
| PCB189 | ND | 0.20 | 0.061 | 1.00 | |
| PCB194 | ND | 0.20 | 0.11 | 1.00 | |
| PCB201 | ND | 0.20 | 0.097 | 1.00 | |
| PCB206 | ND | 0.20 | 0.19 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | | |
| 2-Fluorobiphenyl | 60 | 50-150 | | | |
| p-Terphenyl-d14 | 75 | 50-150 | | | |

Return to Contents 

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 05/05/15
 Work Order: 15-05-0268
 Preparation: EPA 3550B (M)
 Method: Organotins by Krone et al.
 Units: ug/kg

Project: San Diego Shipyard North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-01B-D-0535-150505 | 15-05-0268-2-AA | 05/05/15 11:00 | Sediment | GC/MS Y | 05/05/15 | 05/06/15 18:37 | 150505L18 |

Comment(s):
 - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|--------------|----------|----------------|------------|------|------------|
| Tributyltin | 19 | 3.6 | 1.8 | 1.00 | |
| Surrogate | Rec. (%) | Control Limits | Qualifiers | | |
| Tripentyltin | 115 | 27-135 | | | |

| Method Blank | 099-07-016-1266 | N/A | Solid | GC/MS Y | 05/05/15 | 05/06/15 18:21 | 150505L18 |
|--------------|-----------------|-----|-------|---------|----------|-------------------|-----------|
|--------------|-----------------|-----|-------|---------|----------|-------------------|-----------|

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|--------------|----------|----------------|------------|------|------------|
| Tributyltin | ND | 3.0 | 1.5 | 1.00 | |
| Surrogate | Rec. (%) | Control Limits | Qualifiers | | |
| Tripentyltin | 126 | 27-135 | | | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 05/05/15
 Work Order: 15-05-0268
 Preparation: EPA 3050B
 Method: EPA 6020

Project: San Diego Shipyard North

Page 1 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| 15-04-0883-1 | Sample | Sediment | ICP/MS 04 | 05/05/15 | 05/06/15 17:58 | 150505S01 |
| 15-04-0883-1 | Matrix Spike | Sediment | ICP/MS 04 | 05/05/15 | 05/06/15 17:42 | 150505S01 |
| 15-04-0883-1 | Matrix Spike Duplicate | Sediment | ICP/MS 04 | 05/05/15 | 05/06/15 17:46 | 150505S01 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Copper | 33.37 | 25.00 | 58.28 | 100 | 60.38 | 108 | 80-120 | 4 | 0-20 | |

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 05/05/15
 Work Order: 15-05-0268
 Preparation: EPA 7471A Total
 Method: EPA 7471A

Project: San Diego Shipyard North

Page 2 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|--------|------------|---------------|----------------|---------------------|
| 15-04-2149-1 | Sample | Solid | Mercury 05 | 05/05/15 | 05/05/15 18:41 | 150505S02 |
| 15-04-2149-1 | Matrix Spike | Solid | Mercury 05 | 05/05/15 | 05/05/15 18:43 | 150505S02 |
| 15-04-2149-1 | Matrix Spike Duplicate | Solid | Mercury 05 | 05/05/15 | 05/05/15 18:45 | 150505S02 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Mercury | ND | 0.8350 | 0.8894 | 107 | 0.9348 | 112 | 80-120 | 5 | 0-15 | |

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 05/05/15
 Work Order: 15-05-0268
 Preparation: EPA 3541
 Method: EPA 8270C SIM PAHs

Project: San Diego Shipyard North

Page 3 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-02-D-0535-150505 | Sample | Sediment | GC/MS AAA | 05/05/15 | 05/06/15 17:53 | 150505S16 |
| SD-N-C-02-D-0535-150505 | Matrix Spike | Sediment | GC/MS AAA | 05/05/15 | 05/06/15 18:13 | 150505S16 |
| SD-N-C-02-D-0535-150505 | Matrix Spike Duplicate | Sediment | GC/MS AAA | 05/05/15 | 05/06/15 18:33 | 150505S16 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-------------------------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Benzo (a) Anthracene | 17.61 | 100.0 | 97.40 | 80 | 105.9 | 88 | 40-160 | 8 | 0-20 | |
| Benzo (a) Pyrene | 11.38 | 100.0 | 85.66 | 74 | 98.47 | 87 | 40-160 | 14 | 0-20 | |
| Chrysene | 26.23 | 100.0 | 99.23 | 73 | 108.2 | 82 | 40-160 | 9 | 0-20 | |
| Dibenz (a,h) Anthracene | ND | 100.0 | 71.61 | 72 | 78.01 | 78 | 40-160 | 9 | 0-20 | |
| Fluoranthene | 65.51 | 100.0 | 142.8 | 77 | 154.7 | 89 | 40-160 | 8 | 0-20 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 05/05/15
 Work Order: 15-05-0268
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners

Project: San Diego Shipyard North

Page 4 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|--------------------------------|-------------------------------|-----------------|------------------|-----------------|-----------------------|---------------------|
| SD-N-C-02-D-0535-150505 | Sample | Sediment | GC/MS HHH | 05/05/15 | 05/07/15 13:46 | 150505S17 |
| SD-N-C-02-D-0535-150505 | Matrix Spike | Sediment | GC/MS HHH | 05/05/15 | 05/07/15 15:06 | 150505S17 |
| SD-N-C-02-D-0535-150505 | Matrix Spike Duplicate | Sediment | GC/MS HHH | 05/05/15 | 05/07/15 15:33 | 150505S17 |

| <u>Parameter</u> | <u>Sample Conc.</u> | <u>Spike Added</u> | <u>MS Conc.</u> | <u>MS %Rec.</u> | <u>MSD Conc.</u> | <u>MSD %Rec.</u> | <u>%Rec. CL</u> | <u>RPD</u> | <u>RPD CL</u> | <u>Qualifiers</u> |
|------------------|---------------------|--------------------|-----------------|-----------------|------------------|------------------|-----------------|------------|---------------|-------------------|
| PCB018 | 0.4776 | 50.00 | 32.86 | 65 | 33.05 | 65 | 50-150 | 1 | 0-25 | |
| PCB028 | 0.3482 | 50.00 | 38.45 | 76 | 38.80 | 77 | 50-150 | 1 | 0-25 | |
| PCB044 | 0.6743 | 50.00 | 37.80 | 74 | 37.71 | 74 | 50-150 | 0 | 0-25 | |
| PCB052 | 0.9377 | 50.00 | 39.91 | 78 | 39.44 | 77 | 50-150 | 1 | 0-25 | |
| PCB066 | 0.5995 | 50.00 | 42.70 | 84 | 42.07 | 83 | 50-150 | 1 | 0-25 | |
| PCB077 | ND | 50.00 | 41.33 | 83 | 40.11 | 80 | 50-150 | 3 | 0-25 | |
| PCB101 | 1.110 | 50.00 | 40.06 | 78 | 38.80 | 75 | 50-150 | 3 | 0-25 | |
| PCB105 | 0.3730 | 50.00 | 42.43 | 84 | 40.66 | 81 | 50-150 | 4 | 0-25 | |
| PCB118 | 0.9819 | 50.00 | 44.27 | 87 | 42.78 | 84 | 50-150 | 3 | 0-25 | |
| PCB126 | ND | 50.00 | 41.37 | 83 | 39.12 | 78 | 50-150 | 6 | 0-25 | |
| PCB128 | ND | 50.00 | 41.20 | 82 | 38.94 | 78 | 50-150 | 6 | 0-25 | |
| PCB170 | ND | 50.00 | 38.87 | 78 | 39.26 | 79 | 50-150 | 1 | 0-25 | |
| PCB180 | 0.2810 | 50.00 | 43.92 | 87 | 41.38 | 82 | 50-150 | 6 | 0-25 | |
| PCB187 | ND | 50.00 | 40.97 | 82 | 38.97 | 78 | 50-150 | 5 | 0-25 | |
| PCB206 | ND | 50.00 | 38.68 | 77 | 40.01 | 80 | 50-150 | 3 | 0-25 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 05/05/15
 Work Order: 15-05-0268
 Preparation: EPA 3550B (M)
 Method: Organotins by Krone et al.

Project: San Diego Shipyard North

Page 5 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-02-D-0535-150505 | Sample | Sediment | GC/MS Y | 05/05/15 | 05/06/15 18:53 | 150505S18 |
| SD-N-C-02-D-0535-150505 | Matrix Spike | Sediment | GC/MS Y | 05/05/15 | 05/06/15 19:09 | 150505S18 |
| SD-N-C-02-D-0535-150505 | Matrix Spike Duplicate | Sediment | GC/MS Y | 05/05/15 | 05/06/15 19:24 | 150505S18 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-------------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Tributyltin | 28.46 | 100.0 | 107.7 | 79 | 90.34 | 62 | 34-142 | 17 | 0-50 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - PDS

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 05/05/15
 Work Order: 15-05-0268
 Preparation: EPA 3050B
 Method: EPA 6020

Project: San Diego Shipyard North

Page 1 of 1

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | PDS/PDSD Batch Number |
|---------------------------|--------|----------|------------|----------------|----------------|-----------------------|
| 15-04-0883-1 | Sample | Sediment | ICP/MS 04 | 05/05/15 00:00 | 05/06/15 17:58 | 150505S01 |
| 15-04-0883-1 | PDS | Sediment | ICP/MS 04 | 05/05/15 00:00 | 05/06/15 17:50 | 150505S01 |

| Parameter | Sample Conc. | Spike Added | PDS Conc. | PDS %Rec. | %Rec. CL | Qualifiers |
|-----------|--------------|-------------|-----------|-----------|----------|------------|
| Copper | 33.37 | 25.00 | 57.98 | 98 | 75-125 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - Sample Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 05/05/15
 Work Order: 15-05-0268
 Preparation: N/A
 Method: SM 2540 B (M)

Project: San Diego Shipyard North

Page 1 of 1

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | Duplicate Batch Number |
|---------------------------|------------------|----------|------------|----------------|----------------|------------------------|
| SD-N-C-02-D-0535-150505 | Sample | Sediment | N/A | 05/05/15 00:00 | 05/06/15 12:00 | F0506TSD1 |
| SD-N-C-02-D-0535-150505 | Sample Duplicate | Sediment | N/A | 05/05/15 00:00 | 05/06/15 12:00 | F0506TSD1 |

| Parameter | Sample Conc. | DUP Conc. | RPD | RPD CL | Qualifiers |
|---------------|--------------|-----------|-----|--------|------------|
| Solids, Total | 84.10 | 83.80 | 0 | 0-10 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 05/05/15
 Work Order: 15-05-0268
 Preparation: EPA 3050B
 Method: EPA 6020

Project: San Diego Shipyard North

Page 1 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|------|--------|------------|---------------|----------------|-----------------------|
| 099-15-254-316 | LCS | Solid | ICP/MS 04 | 05/05/15 | 05/06/15 16:58 | 150505L01E |
| 099-15-254-316 | LCSD | Solid | ICP/MS 04 | 05/05/15 | 05/06/15 17:06 | 150505L01E |

| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|-------------|-----------|-----------|------------|------------|----------|-----|--------|------------|
| Copper | 25.00 | 27.38 | 110 | 27.12 | 108 | 80-120 | 1 | 0-20 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 05/05/15
 Work Order: 15-05-0268
 Preparation: EPA 7471A Total
 Method: EPA 7471A

Project: San Diego Shipyard North

Page 2 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|------|--------|------------|---------------|----------------|-----------------------|
| 099-16-278-136 | LCS | Solid | Mercury 05 | 05/05/15 | 05/05/15 18:38 | 150505L02E |
| 099-16-278-136 | LCSD | Solid | Mercury 05 | 05/05/15 | 05/06/15 14:28 | 150505L02E |

| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|-------------|-----------|-----------|------------|------------|----------|-----|--------|------------|
| Mercury | 0.8350 | 0.7878 | 94 | 0.8609 | 103 | 82-124 | 9 | 0-16 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 05/05/15
 Work Order: 15-05-0268
 Preparation: EPA 3541
 Method: EPA 8270C SIM PAHs

Project: San Diego Shipyard North

Page 3 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|-------------|--------------|------------------|-----------------|-----------------------|-----------------------|
| 099-14-097-160 | LCS | Solid | GC/MS AAA | 05/05/15 | 05/06/15 16:34 | 150505L16 |
| 099-14-097-160 | LCSD | Solid | GC/MS AAA | 05/05/15 | 05/06/15 16:53 | 150505L16 |

| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-------------------------|-------------|-----------|-----------|------------|------------|----------|-----|--------|------------|
| Benzo (a) Anthracene | 100.0 | 75.87 | 76 | 76.25 | 76 | 40-160 | 0 | 0-20 | |
| Benzo (a) Pyrene | 100.0 | 81.13 | 81 | 71.84 | 72 | 40-160 | 12 | 0-20 | |
| Chrysene | 100.0 | 78.30 | 78 | 81.33 | 81 | 40-160 | 4 | 0-20 | |
| Dibenz (a,h) Anthracene | 100.0 | 65.75 | 66 | 63.89 | 64 | 40-160 | 3 | 0-20 | |
| Fluoranthene | 100.0 | 75.15 | 75 | 77.33 | 77 | 40-160 | 3 | 0-20 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 05/05/15
 Work Order: 15-05-0268
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners

Project: San Diego Shipyard North

Page 4 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|------|--------|------------|---------------|----------------|-----------------------|
| 099-16-418-74 | LCS | Solid | GC/MS HHH | 05/05/15 | 05/06/15 16:33 | 150505L17 |
| 099-16-418-74 | LCSD | Solid | GC/MS HHH | 05/05/15 | 05/06/15 16:58 | 150505L17 |

| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | ME CL | RPD | RPD CL | Qualifiers |
|-----------|-------------|-----------|-----------|------------|------------|----------|--------|-----|--------|------------|
| PCB018 | 50.00 | 29.13 | 58 | 34.85 | 70 | 50-150 | 33-167 | 18 | 0-25 | |
| PCB028 | 50.00 | 32.48 | 65 | 39.26 | 79 | 50-150 | 33-167 | 19 | 0-25 | |
| PCB044 | 50.00 | 32.76 | 66 | 39.50 | 79 | 50-150 | 33-167 | 19 | 0-25 | |
| PCB052 | 50.00 | 33.18 | 66 | 40.51 | 81 | 50-150 | 33-167 | 20 | 0-25 | |
| PCB066 | 50.00 | 36.87 | 74 | 45.12 | 90 | 50-150 | 33-167 | 20 | 0-25 | |
| PCB077 | 50.00 | 37.25 | 75 | 46.08 | 92 | 50-150 | 33-167 | 21 | 0-25 | |
| PCB101 | 50.00 | 34.44 | 69 | 42.52 | 85 | 50-150 | 33-167 | 21 | 0-25 | |
| PCB105 | 50.00 | 36.85 | 74 | 46.11 | 92 | 50-150 | 33-167 | 22 | 0-25 | |
| PCB118 | 50.00 | 38.78 | 78 | 48.29 | 97 | 50-150 | 33-167 | 22 | 0-25 | |
| PCB126 | 50.00 | 36.18 | 72 | 45.75 | 92 | 50-150 | 33-167 | 23 | 0-25 | |
| PCB128 | 50.00 | 35.73 | 71 | 45.24 | 90 | 50-150 | 33-167 | 23 | 0-25 | |
| PCB170 | 50.00 | 35.19 | 70 | 43.55 | 87 | 50-150 | 33-167 | 21 | 0-25 | |
| PCB180 | 50.00 | 37.18 | 74 | 46.95 | 94 | 50-150 | 33-167 | 23 | 0-25 | |
| PCB187 | 50.00 | 35.93 | 72 | 45.20 | 90 | 50-150 | 33-167 | 23 | 0-25 | |
| PCB206 | 50.00 | 34.69 | 69 | 43.29 | 87 | 50-150 | 33-167 | 22 | 0-25 | |

Total number of LCS compounds: 15
 Total number of ME compounds: 0
 Total number of ME compounds allowed: 1
 LCS ME CL validation result: Pass

Return to Contents

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 05/05/15
 Work Order: 15-05-0268
 Preparation: EPA 3550B (M)
 Method: Organotins by Krone et al.

Project: San Diego Shipyard North

Page 5 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|------|--------|------------|---------------|----------------|-----------------------|
| 099-07-016-1266 | LCS | Solid | GC/MS Y | 05/05/15 | 05/06/15 17:50 | 150505L18 |
| 099-07-016-1266 | LCSD | Solid | GC/MS Y | 05/05/15 | 05/06/15 18:06 | 150505L18 |

| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-------------|-------------|-----------|-----------|------------|------------|----------|-----|--------|------------|
| Tributyltin | 100.0 | 65.36 | 65 | 65.31 | 65 | 33-147 | 0 | 0-20 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

| <u>Qualifiers</u> | <u>Definition</u> |
|-------------------|---|
| * | See applicable analysis comment. |
| < | Less than the indicated value. |
| > | Greater than the indicated value. |
| 1 | Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification. |
| 2 | Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification. |
| 3 | Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control. |
| 4 | The MS/MSD RPD was out of control due to suspected matrix interference. |
| 5 | The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference. |
| 6 | Surrogate recovery below the acceptance limit. |
| 7 | Surrogate recovery above the acceptance limit. |
| B | Analyte was present in the associated method blank. |
| BU | Sample analyzed after holding time expired. |
| BV | Sample received after holding time expired. |
| CI | See case narrative. |
| E | Concentration exceeds the calibration range. |
| ET | Sample was extracted past end of recommended max. holding time. |
| HD | The chromatographic pattern was inconsistent with the profile of the reference fuel standard. |
| HDH | The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected). |
| HDL | The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected). |
| J | Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated. |
| JA | Analyte positively identified but quantitation is an estimate. |
| ME | LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean). |
| ND | Parameter not detected at the indicated reporting limit. |
| Q | Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater. |
| SG | The sample extract was subjected to Silica Gel treatment prior to analysis. |
| X | % Recovery and/or RPD out-of-range. |
| Z | Analyte presence was not confirmed by second column or GC/MS analysis. |
| | Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis. |
| | Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time. |
| | A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations. |



Calscience

7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
For courier service / sample drop off information, contact us26_sales@eurofins.com or call us.

LABORATORY CLIENT:

Anchor QEA

ADDRESS: 27201 Puerta Real, Suite 350

CITY: Misson Viejo

STATE: CA

ZIP: 92691

TEL: 949.347.2780

E-MAIL: agale@anchoragea.com or
Kking@anchoragea.com

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):

SAME DAY 24 HR 48 HR 72 HR 5 DAYS STANDARD

GLOBAL ID:

LOG CODE:

SPECIAL INSTRUCTIONS:

Rush samples: Start drying process asap.

Report J-flags

Report metals, PAHs, solids on a 24hr TAT and PCBs, organotins on a 48hr TAT

Standard Excel file EDD in addition to COELT EDF

| LAB USE ONLY | SAMPLE ID | SAMPLING | | MATRIX | NO. OF CONT. |
|--------------|-------------------|----------|------|--------|--------------|
| | | DATE | TIME | | |
| 1 | SD-N-C-01B-D-0005 | 5/5/15 | 1100 | SED | 1 |
| 2 | SD-N-C-01B-D-0535 | | 1100 | SED | 1 |
| 3 | SD-N-C-02-D-0005 | | 1140 | SED | 1 |
| 4 | SD-N-C-02-D-0535 | | 1140 | SED | 1 |
| | | | | SED | |
| | | | | SED | |
| | | | | SED | |
| | | | | SED | |
| | | | | SED | |
| | | | | SED | |

SM 2540 B (M) Total solids

EPA 6020 /7471A Cu, Hg

EPA 8270C SIM PCB Congeners

EPA 8270C SIM PAHs

Organotins by Krone et al. (Tributyltin only)

Arch've

Unpreserved

Preserved

Field Filtered

Please check box or fill in blank as needed.

REQUESTED ANALYSES

CLIENT PROJECT NAME / NUMBER:
San Diego Shipyards - North
PROJECT CONTACT:
Adam Gale or Kyle King

P.O. NO.:

SAMPLER(S): (PRINT)

Chris Osuch

CHAIN OF CUSTODY RECORD

DATE: 5/5/15

PAGE: 1 OF 1

W/O # / LAB USE ONLY
15-05-0268

Relinquished by: (Signature)

Kennedy

Received by: (Signature/Affiliation)

ECL

Date: 5/5/15

Time: 1450

Relinquished by: (Signature)

[Signature]

Received by: (Signature/Affiliation)

ECL

Date: 5/5/15

Time: 1850

Relinquished by: (Signature)

[Signature]

Received by: (Signature/Affiliation)

ECL

Date: 5/5/15

Time: 1850

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: ANCHOR

DATE: 05 / 05 / 2015

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC2 (CF:-0.3°C); Temperature (w/o CF): 2.0 °C (w/ CF): 1.7 °C; Blank Sample

Sample(s) outside temperature criteria (PM/APM contacted by: _____)

Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: Air Filter

Checked by: 671

CUSTODY SEAL:

Cooler Present and Intact Present but Not Intact Not Present N/A

Checked by: 671

Sample(s) Present and Intact Present but Not Intact Not Present N/A

Checked by: 681

SAMPLE CONDITION:

| | Yes | No | N/A |
|--|-------------------------------------|--------------------------|-------------------------------------|
| Chain-of-Custody (COC) document(s) received with samples | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| COC document(s) received complete | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> Sampling date <input type="checkbox"/> Sampling time <input type="checkbox"/> Matrix <input type="checkbox"/> Number of containers | | | |
| <input type="checkbox"/> No analysis requested <input type="checkbox"/> Not relinquished <input type="checkbox"/> No relinquished date <input type="checkbox"/> No relinquished time | | | |
| Sampler's name indicated on COC | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Sample container label(s) consistent with COC | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Sample container(s) intact and in good condition | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Proper containers for analyses requested | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Sufficient volume/mass for analyses requested | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Samples received within holding time | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Aqueous samples for certain analyses received within 15-minute holding time | | | |
| <input type="checkbox"/> pH <input type="checkbox"/> Residual Chlorine <input type="checkbox"/> Dissolved Sulfide <input type="checkbox"/> Dissolved Oxygen | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Proper preservation chemical(s) noted on COC and/or sample container | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Unpreserved aqueous sample(s) received for certain analyses | | | |
| <input type="checkbox"/> Volatile Organics <input type="checkbox"/> Total Metals <input type="checkbox"/> Dissolved Metals | | | |
| Container(s) for certain analysis free of headspace | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input type="checkbox"/> Volatile Organics <input type="checkbox"/> Dissolved Gases (RSK-175) <input type="checkbox"/> Dissolved Oxygen (SM 4500) | | | |
| <input type="checkbox"/> Carbon Dioxide (SM 4500) <input type="checkbox"/> Ferrous Iron (SM 3500) <input type="checkbox"/> Hydrogen Sulfide (Hach) | | | |
| Tedlar™ bag(s) free of condensation | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

CONTAINER TYPE:

(Trip Blank Lot Number: _____)

Aqueous: VOA VOA_h VOA_{na2} 100PJ 100PJ_{na2} 125AGB 125AGB_h 125AGB_p 125PB

125PB_{z_{na}} 250AGB 250CGB 250CGB_s 250PB 250PB_n 500AGB 500AGJ 500AGJ_s

500PB 1AGB 1AGB_{na2} 1AGB_s 1PB 1PB_{na} _____ _____ _____

Solid: 4ozCGJ 8ozCGJ 16ozCGJ Sleeve (_____) EnCores® (_____) TerraCores® (_____) _____

Air: Tedlar™ Canister Sorbent Tube PUF _____ **Other Matrix** (_____) _____ _____

Container: **A** = Amber, **B** = Bottle, **C** = Clear, **E** = Envelope, **G** = Glass, **J** = Jar, **P** = Plastic, and **Z** = Ziploc/Resealable Bag

Preservative: **b** = buffered, **f** = filtered, **h** = HCl, **n** = HNO₃, **na** = NaOH, **na₂** = Na₂S₂O₃, **p** = H₃PO₄, Labeled/Checked by: 681

s = H₂SO₄, **u** = ultra-pure, **z_{na}** = Zn(CH₃CO₂)₂ + NaOH

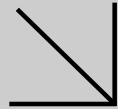
Reviewed by: 778



Environmental
Calscience

Supplemental Report 4

The original report has been revised/corrected.



WORK ORDER NUMBER: 15-05-0697

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: ANCHOR QEA, LLC

Client Project Name: San Diego Shipyard North

Attention: Adam Gale
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Approved for release on 02/02/2016 by:
Carla Hollowell
Project Manager

ResultLink ▶

Email your PM ▶



Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

Client Project Name: San Diego Shipyard North
Work Order Number: 15-05-0697

| | | |
|---|--|----|
| 1 | Work Order Narrative. | 3 |
| 2 | Sample Summary. | 4 |
| 3 | Client Sample Data. | 5 |
| | 3.1 SM 2540 B (M) Total Solids (Solid). | 5 |
| | 3.2 EPA 6020 ICP/MS Metals (Solid). | 6 |
| | 3.3 EPA 7471A Mercury (Solid). | 7 |
| | 3.4 EPA 8270C SIM PAHs (Solid). | 8 |
| | 3.5 EPA 8270C SIM PCB Congeners (Solid). | 9 |
| | 3.6 Krone et al. Organotins (Solid). | 13 |
| 4 | Quality Control Sample Data. | 14 |
| | 4.1 MS/MSD. | 14 |
| | 4.2 PDS/PDSD. | 18 |
| | 4.3 Sample Duplicate. | 19 |
| | 4.4 LCS/LCSD. | 20 |
| 5 | Glossary of Terms and Qualifiers. | 25 |
| 6 | Chain-of-Custody/Sample Receipt Form. | 26 |

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 05/09/15. They were assigned to Work Order 15-05-0697.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of ≤ 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

Sample Summary

| | |
|------------------------------|--|
| Client: ANCHOR QEA, LLC | Work Order: 15-05-0697 |
| 27201 Puerta Real, Suite 350 | Project Name: San Diego Shipyard North |
| Mission Viejo, CA 92691-8306 | PO Number: |
| | Date/Time Received: 05/09/15 16:20 |
| | Number of Containers: 6 |

Attn: Adam Gale

| Sample Identification | Lab Number | Collection Date and Time | Number of Containers | Matrix |
|-------------------------|--------------|--------------------------|----------------------|----------|
| SD-N-C-02-D-0535-150509 | 15-05-0697-2 | 05/09/15 09:42 | 1 | Sediment |

Return to Contents 

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 05/09/15
 Work Order: 15-05-0697
 Preparation: N/A
 Method: SM 2540 B (M)
 Units: %

Project: San Diego Shipyard North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-02-D-0535-150509 | 15-05-0697-2-AA | 05/09/15 09:42 | Sediment | N/A | 05/11/15 | 05/11/15 16:00 | F0511TSB1 |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|---------------|--------|-------|-------|------|------------|
| Solids, Total | 75.7 | 0.100 | 0.100 | 1.00 | |

| Method Blank | 099-05-019-2904 | N/A | Solid | N/A | 05/11/15 | 05/11/15 16:00 | F0511TSB1 |
|--------------|-----------------|-----|-------|-----|----------|----------------|-----------|
|--------------|-----------------|-----|-------|-----|----------|----------------|-----------|

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|---------------|--------|-------|-------|------|------------|
| Solids, Total | ND | 0.100 | 0.100 | 1.00 | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 05/09/15
 Work Order: 15-05-0697
 Preparation: EPA 3050B
 Method: EPA 6020
 Units: mg/kg

Project: San Diego Shipyard North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------------|------------------------|-----------------------|-----------------|------------------|-----------------|-----------------------|-------------------|
| SD-N-C-02-D-0535-150509 | 15-05-0697-2-AA | 05/09/15 09:42 | Sediment | ICP/MS 04 | 05/11/15 | 05/11/15 18:10 | 150511L01E |

Comment(s):
 - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|---------------|-----------|------------|-----------|-------------------|
| Copper | 13.7 | 0.132 | 0.0554 | 1.00 | |

| | | | | | | | |
|---------------------|-----------------------|------------|--------------|------------------|-----------------|-----------------------|-------------------|
| Method Blank | 099-15-254-317 | N/A | Solid | ICP/MS 04 | 05/11/15 | 05/11/15 17:42 | 150511L01E |
|---------------------|-----------------------|------------|--------------|------------------|-----------------|-----------------------|-------------------|

Comment(s):
 - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|---------------|-----------|------------|-----------|-------------------|
| Copper | ND | 0.100 | 0.0419 | 1.00 | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 05/09/15
 Work Order: 15-05-0697
 Preparation: EPA 7471A Total
 Method: EPA 7471A
 Units: mg/kg

Project: San Diego Shipyard North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------------|-----------------------|---------------------------|-----------------|-------------------|-----------------|---------------------------|------------------|
| SD-N-C-02-D-0535-150509 | 15-05-0697-2-A | 05/09/15 09:42 | Sediment | Mercury 05 | 05/11/15 | 05/11/15 16:31 | 150511L03 |

Comment(s):
 - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|---------------|-----------|------------|-----------|-------------------|
| Mercury | ND | 0.0278 | 0.00816 | 1.00 | |

| | | | | | | | |
|---------------------|-----------------------|------------|--------------|-------------------|-----------------|---------------------------|------------------|
| Method Blank | 099-16-278-137 | N/A | Solid | Mercury 05 | 05/11/15 | 05/11/15 16:24 | 150511L03 |
|---------------------|-----------------------|------------|--------------|-------------------|-----------------|---------------------------|------------------|

Comment(s):
 - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|---------------|-----------|------------|-----------|-------------------|
| Mercury | ND | 0.0200 | 0.00587 | 1.00 | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 05/09/15
 Work Order: 15-05-0697
 Preparation: EPA 3541
 Method: EPA 8270C SIM PAHs
 Units: ug/kg

Project: San Diego Shipyard North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-02-D-0535-150509 | 15-05-0697-2-AA | 05/09/15 09:42 | Sediment | GC/MS EEE | 05/09/15 | 05/11/15 13:28 | 150509L08 |

Comment(s): - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-------------------------|--------|----|-----|------|------------|
| Benzo (a) Anthracene | 8.9 | 13 | 2.9 | 1.00 | J |
| Benzo (a) Pyrene | ND | 13 | 2.4 | 1.00 | |
| Chrysene | 8.1 | 13 | 3.0 | 1.00 | J |
| Dibenz (a,h) Anthracene | ND | 13 | 2.6 | 1.00 | |
| Fluoranthene | 39 | 13 | 2.4 | 1.00 | |
| Perylene | ND | 13 | 3.2 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|------------------|----------|----------------|------------|
| 2-Fluorobiphenyl | 52 | 14-146 | |
| Nitrobenzene-d5 | 46 | 18-162 | |
| p-Terphenyl-d14 | 103 | 34-148 | |

| Method Blank | 099-14-097-161 | N/A | Solid | GC/MS EEE | 05/09/15 | 05/11/15 12:27 | 150509L08 |
|--------------|----------------|-----|-------|-----------|----------|----------------|-----------|
|--------------|----------------|-----|-------|-----------|----------|----------------|-----------|

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-------------------------|--------|----|-----|------|------------|
| Benzo (a) Anthracene | ND | 10 | 2.2 | 1.00 | |
| Benzo (a) Pyrene | ND | 10 | 1.8 | 1.00 | |
| Chrysene | ND | 10 | 2.2 | 1.00 | |
| Dibenz (a,h) Anthracene | ND | 10 | 2.0 | 1.00 | |
| Fluoranthene | ND | 10 | 1.8 | 1.00 | |
| Perylene | ND | 10 | 2.4 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|------------------|----------|----------------|------------|
| 2-Fluorobiphenyl | 95 | 14-146 | |
| Nitrobenzene-d5 | 67 | 18-162 | |
| p-Terphenyl-d14 | 78 | 34-148 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 05/09/15
 Work Order: 15-05-0697
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyard North

Page 1 of 4

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-02-D-0535-150509 | 15-05-0697-2-AA | 05/09/15 09:42 | Sediment | GC/MS HHH | 05/09/15 | 05/11/15 14:31 | 150509L09 |

Comment(s):
 - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|------------|--------|------|-------|------|------------|
| PCB018 | ND | 0.26 | 0.093 | 1.00 | |
| PCB028 | ND | 0.26 | 0.044 | 1.00 | |
| PCB037 | ND | 0.26 | 0.079 | 1.00 | |
| PCB044 | 0.25 | 0.26 | 0.11 | 1.00 | J |
| PCB049 | ND | 0.26 | 0.15 | 1.00 | |
| PCB052 | 0.38 | 0.26 | 0.082 | 1.00 | |
| PCB066 | 0.15 | 0.26 | 0.13 | 1.00 | J |
| PCB070 | 0.20 | 0.26 | 0.078 | 1.00 | J |
| PCB074 | ND | 0.26 | 0.11 | 1.00 | |
| PCB077 | ND | 0.26 | 0.10 | 1.00 | |
| PCB081 | ND | 0.26 | 0.16 | 1.00 | |
| PCB087 | 0.21 | 0.26 | 0.14 | 1.00 | J |
| PCB099 | 0.15 | 0.26 | 0.080 | 1.00 | J |
| PCB101 | 0.46 | 0.26 | 0.13 | 1.00 | |
| PCB105 | 0.15 | 0.26 | 0.072 | 1.00 | J |
| PCB110 | 0.39 | 0.26 | 0.060 | 1.00 | |
| PCB114 | ND | 0.26 | 0.11 | 1.00 | |
| PCB118 | 0.33 | 0.26 | 0.11 | 1.00 | |
| PCB119 | ND | 0.26 | 0.12 | 1.00 | |
| PCB123 | ND | 0.26 | 0.14 | 1.00 | |
| PCB126 | ND | 0.26 | 0.11 | 1.00 | |
| PCB128 | ND | 0.26 | 0.13 | 1.00 | |
| PCB132/153 | 0.44 | 0.53 | 0.23 | 1.00 | J |
| PCB138/158 | 0.42 | 0.53 | 0.12 | 1.00 | J |
| PCB149 | 0.25 | 0.26 | 0.13 | 1.00 | J |
| PCB151 | 0.092 | 0.26 | 0.088 | 1.00 | J |
| PCB156 | 0.084 | 0.26 | 0.076 | 1.00 | J |
| PCB157 | ND | 0.26 | 0.069 | 1.00 | |
| PCB167 | ND | 0.26 | 0.081 | 1.00 | |
| PCB168 | ND | 0.26 | 0.064 | 1.00 | |
| PCB169 | ND | 0.26 | 0.080 | 1.00 | |
| PCB170 | 0.13 | 0.26 | 0.083 | 1.00 | J |
| PCB177 | ND | 0.26 | 0.11 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 05/09/15
 Work Order: 15-05-0697
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyard North

Page 2 of 4

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|-----------------|-----------------------|-------------------|-----------|-------------------|
| PCB180 | 0.12 | 0.26 | 0.055 | 1.00 | J |
| PCB183 | ND | 0.26 | 0.14 | 1.00 | |
| PCB187 | ND | 0.26 | 0.11 | 1.00 | |
| PCB189 | ND | 0.26 | 0.080 | 1.00 | |
| PCB194 | ND | 0.26 | 0.15 | 1.00 | |
| PCB201 | ND | 0.26 | 0.13 | 1.00 | |
| PCB206 | ND | 0.26 | 0.25 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | | |
| 2-Fluorobiphenyl | 59 | 50-150 | | | |
| p-Terphenyl-d14 | 74 | 50-150 | | | |

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 05/09/15
 Work Order: 15-05-0697
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyard North

Page 3 of 4

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-16-418-75 | N/A | Solid | GC/MS HHH | 05/09/15 | 05/11/15 14:04 | 150509L09 |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|------------|--------|------|-------|------|------------|
| PCB018 | ND | 0.20 | 0.071 | 1.00 | |
| PCB028 | ND | 0.20 | 0.034 | 1.00 | |
| PCB037 | ND | 0.20 | 0.060 | 1.00 | |
| PCB044 | ND | 0.20 | 0.087 | 1.00 | |
| PCB049 | ND | 0.20 | 0.11 | 1.00 | |
| PCB052 | ND | 0.20 | 0.063 | 1.00 | |
| PCB066 | ND | 0.20 | 0.10 | 1.00 | |
| PCB070 | ND | 0.20 | 0.060 | 1.00 | |
| PCB074 | ND | 0.20 | 0.087 | 1.00 | |
| PCB077 | ND | 0.20 | 0.078 | 1.00 | |
| PCB081 | ND | 0.20 | 0.12 | 1.00 | |
| PCB087 | ND | 0.20 | 0.11 | 1.00 | |
| PCB099 | ND | 0.20 | 0.061 | 1.00 | |
| PCB101 | ND | 0.20 | 0.098 | 1.00 | |
| PCB105 | ND | 0.20 | 0.055 | 1.00 | |
| PCB110 | ND | 0.20 | 0.046 | 1.00 | |
| PCB114 | ND | 0.20 | 0.082 | 1.00 | |
| PCB118 | ND | 0.20 | 0.084 | 1.00 | |
| PCB119 | ND | 0.20 | 0.094 | 1.00 | |
| PCB123 | ND | 0.20 | 0.10 | 1.00 | |
| PCB126 | ND | 0.20 | 0.080 | 1.00 | |
| PCB128 | ND | 0.20 | 0.10 | 1.00 | |
| PCB132/153 | ND | 0.40 | 0.17 | 1.00 | |
| PCB138/158 | ND | 0.40 | 0.094 | 1.00 | |
| PCB149 | ND | 0.20 | 0.098 | 1.00 | |
| PCB151 | ND | 0.20 | 0.067 | 1.00 | |
| PCB156 | ND | 0.20 | 0.058 | 1.00 | |
| PCB157 | ND | 0.20 | 0.052 | 1.00 | |
| PCB167 | ND | 0.20 | 0.062 | 1.00 | |
| PCB168 | ND | 0.20 | 0.049 | 1.00 | |
| PCB169 | ND | 0.20 | 0.061 | 1.00 | |
| PCB170 | ND | 0.20 | 0.063 | 1.00 | |
| PCB177 | ND | 0.20 | 0.087 | 1.00 | |
| PCB180 | ND | 0.20 | 0.042 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 05/09/15
 Work Order: 15-05-0697
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyard North

Page 4 of 4

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|-----------------|-----------------------|-------------------|-----------|-------------------|
| PCB183 | ND | 0.20 | 0.11 | 1.00 | |
| PCB187 | ND | 0.20 | 0.084 | 1.00 | |
| PCB189 | ND | 0.20 | 0.061 | 1.00 | |
| PCB194 | ND | 0.20 | 0.11 | 1.00 | |
| PCB201 | ND | 0.20 | 0.097 | 1.00 | |
| PCB206 | ND | 0.20 | 0.19 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | | |
| 2-Fluorobiphenyl | 59 | 50-150 | | | |
| p-Terphenyl-d14 | 82 | 50-150 | | | |

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 05/09/15
 Work Order: 15-05-0697
 Preparation: EPA 3550B (M)
 Method: Organotins by Krone et al.
 Units: ug/kg

Project: San Diego Shipyard North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-02-D-0535-150509 | 15-05-0697-2-AA | 05/09/15 09:42 | Sediment | GC/MS Y | 05/11/15 | 05/12/15 11:42 | 150511L03 |

Comment(s): - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|--------------|----------|----------------|------------|------|------------|
| Tributyltin | ND | 3.9 | 1.9 | 1.00 | |
| Surrogate | Rec. (%) | Control Limits | Qualifiers | | |
| Tripentyltin | 76 | 27-135 | | | |

| Method Blank | 099-07-016-1267 | N/A | Solid | GC/MS Y | 05/11/15 | 05/12/15 11:27 | 150511L03 |
|--------------|-----------------|-----|-------|---------|----------|----------------|-----------|
|--------------|-----------------|-----|-------|---------|----------|----------------|-----------|

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|--------------|----------|----------------|------------|------|------------|
| Tributyltin | ND | 3.0 | 1.5 | 1.00 | |
| Surrogate | Rec. (%) | Control Limits | Qualifiers | | |
| Tripentyltin | 66 | 27-135 | | | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 05/09/15
 Work Order: 15-05-0697
 Preparation: EPA 3050B
 Method: EPA 6020

Project: San Diego Shipyard North

Page 1 of 4

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-02-D-0535-150509 | Sample | Sediment | ICP/MS 04 | 05/11/15 | 05/11/15 18:10 | 150511S01 |
| SD-N-C-02-D-0535-150509 | Matrix Spike | Sediment | ICP/MS 04 | 05/11/15 | 05/11/15 17:54 | 150511S01 |
| SD-N-C-02-D-0535-150509 | Matrix Spike Duplicate | Sediment | ICP/MS 04 | 05/11/15 | 05/11/15 17:58 | 150511S01 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Copper | 10.40 | 25.00 | 33.29 | 92 | 32.74 | 89 | 80-120 | 2 | 0-20 | |

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 05/09/15
 Work Order: 15-05-0697
 Preparation: EPA 7471A Total
 Method: EPA 7471A

Project: San Diego Shipyard North

Page 2 of 4

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-02-D-0535-150509 | Sample | Sediment | Mercury 05 | 05/11/15 | 05/11/15 16:31 | 150511S03 |
| SD-N-C-02-D-0535-150509 | Matrix Spike | Sediment | Mercury 05 | 05/11/15 | 05/11/15 16:33 | 150511S03 |
| SD-N-C-02-D-0535-150509 | Matrix Spike Duplicate | Sediment | Mercury 05 | 05/11/15 | 05/11/15 16:35 | 150511S03 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Mercury | ND | 0.8350 | 0.8477 | 102 | 0.8638 | 103 | 76-136 | 2 | 0-16 | |

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 05/09/15
 Work Order: 15-05-0697
 Preparation: EPA 3541
 Method: EPA 8270C SIM PAHs

Project: San Diego Shipyard North

Page 3 of 4

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| 15-05-0017-3 | Sample | Sediment | GC/MS EEE | 05/09/15 | 05/11/15 14:50 | 150509S08 |
| 15-05-0017-3 | Matrix Spike | Sediment | GC/MS EEE | 05/15/15 | 05/11/15 15:10 | 150509S08 |
| 15-05-0017-3 | Matrix Spike Duplicate | Sediment | GC/MS EEE | 05/15/15 | 05/11/15 15:31 | 150509S08 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-------------------------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Benzo (a) Anthracene | 624.4 | 100.0 | 578.8 | 0 | 589.7 | 0 | 40-160 | 2 | 0-20 | 3 |
| Benzo (a) Pyrene | 517.8 | 100.0 | 495.3 | 0 | 504.2 | 0 | 40-160 | 2 | 0-20 | 3 |
| Chrysene | 847.3 | 100.0 | 746.8 | 0 | 749.5 | 0 | 40-160 | 0 | 0-20 | 3 |
| Dibenz (a,h) Anthracene | 81.45 | 100.0 | 125.2 | 44 | 133.9 | 52 | 40-160 | 7 | 0-20 | |
| Fluoranthene | 2023 | 100.0 | 1726 | 0 | 1714 | 0 | 40-160 | 1 | 0-20 | 3 |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 05/09/15
 Work Order: 15-05-0697
 Preparation: EPA 3550B (M)
 Method: Organotins by Krone et al.

Project: San Diego Shipyard North

Page 4 of 4

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-02-D-0535-150509 | Sample | Sediment | GC/MS Y | 05/11/15 | 05/12/15 11:42 | 150511S03 |
| SD-N-C-02-D-0535-150509 | Matrix Spike | Sediment | GC/MS Y | 05/11/15 | 05/12/15 12:29 | 150511S03 |
| SD-N-C-02-D-0535-150509 | Matrix Spike Duplicate | Sediment | GC/MS Y | 05/11/15 | 05/12/15 12:45 | 150511S03 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-------------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Tributyltin | ND | 100.0 | 61.47 | 61 | 69.02 | 69 | 34-142 | 12 | 0-50 | |

Quality Control - PDS

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 05/09/15
 Work Order: 15-05-0697
 Preparation: EPA 3050B
 Method: EPA 6020

Project: San Diego Shipyard North

Page 1 of 1

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | PDS/PDSD Batch Number |
|---------------------------|--------|----------|------------|----------------|----------------|-----------------------|
| SD-N-C-02-D-0535-150509 | Sample | Sediment | ICP/MS 04 | 05/11/15 00:00 | 05/11/15 18:10 | 150511S01 |
| SD-N-C-02-D-0535-150509 | PDS | Sediment | ICP/MS 04 | 05/11/15 00:00 | 05/11/15 18:02 | 150511S01 |

| <u>Parameter</u> | <u>Sample Conc.</u> | <u>Spike Added</u> | <u>PDS Conc.</u> | <u>PDS %Rec.</u> | <u>%Rec. CL</u> | <u>Qualifiers</u> |
|------------------|---------------------|--------------------|------------------|------------------|-----------------|-------------------|
| Copper | 10.40 | 25.00 | 35.17 | 99 | 75-125 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - Sample Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 05/09/15
 Work Order: 15-05-0697
 Preparation: N/A
 Method: SM 2540 B (M)

Project: San Diego Shipyard North

Page 1 of 1

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | Duplicate Batch Number |
|---------------------------|------------------|----------|------------|----------------|----------------|------------------------|
| SD-N-C-05B-D-0535-150509 | Sample | Sediment | N/A | 05/11/15 00:00 | 05/11/15 16:00 | F0511TSD1 |
| SD-N-C-05B-D-0535-150509 | Sample Duplicate | Sediment | N/A | 05/11/15 00:00 | 05/11/15 16:00 | F0511TSD1 |

| Parameter | Sample Conc. | DUP Conc. | RPD | RPD CL | Qualifiers |
|---------------|--------------|-----------|-----|--------|------------|
| Solids, Total | 74.60 | 75.40 | 1 | 0-10 | |

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 05/09/15
 Work Order: 15-05-0697
 Preparation: EPA 3050B
 Method: EPA 6020

Project: San Diego Shipyard North

Page 1 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|------|--------|------------|---------------|----------------|-----------------------|
| 099-15-254-317 | LCS | Solid | ICP/MS 04 | 05/11/15 | 05/11/15 17:46 | 150511L01E |
| 099-15-254-317 | LCSD | Solid | ICP/MS 04 | 05/11/15 | 05/11/15 17:50 | 150511L01E |

| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|-------------|-----------|-----------|------------|------------|----------|-----|--------|------------|
| Copper | 25.00 | 25.19 | 101 | 24.98 | 100 | 80-120 | 1 | 0-20 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 05/09/15
 Work Order: 15-05-0697
 Preparation: EPA 7471A Total
 Method: EPA 7471A

Project: San Diego Shipyard North

Page 2 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|------|--------|------------|---------------|----------------|-----------------------|
| 099-16-278-137 | LCS | Solid | Mercury 05 | 05/11/15 | 05/11/15 16:26 | 150511L03 |
| 099-16-278-137 | LCSD | Solid | Mercury 05 | 05/11/15 | 05/11/15 16:29 | 150511L03 |

| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|-------------|-----------|-----------|------------|------------|----------|-----|--------|------------|
| Mercury | 0.8350 | 0.9404 | 113 | 0.9288 | 111 | 82-124 | 1 | 0-16 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 05/09/15
 Work Order: 15-05-0697
 Preparation: EPA 3541
 Method: EPA 8270C SIM PAHs

Project: San Diego Shipyard North

Page 3 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|------|--------|------------|---------------|----------------|-----------------------|
| 099-14-097-161 | LCS | Solid | GC/MS EEE | 05/09/15 | 05/11/15 11:46 | 150509L08 |
| 099-14-097-161 | LCSD | Solid | GC/MS EEE | 05/09/15 | 05/11/15 12:06 | 150509L08 |

| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-------------------------|-------------|-----------|-----------|------------|------------|----------|-----|--------|------------|
| Benzo (a) Anthracene | 100.0 | 77.19 | 77 | 81.64 | 82 | 40-160 | 6 | 0-20 | |
| Benzo (a) Pyrene | 100.0 | 79.26 | 79 | 82.42 | 82 | 40-160 | 4 | 0-20 | |
| Chrysene | 100.0 | 79.44 | 79 | 83.84 | 84 | 40-160 | 5 | 0-20 | |
| Dibenz (a,h) Anthracene | 100.0 | 75.80 | 76 | 78.12 | 78 | 40-160 | 3 | 0-20 | |
| Fluoranthene | 100.0 | 77.57 | 78 | 82.60 | 83 | 40-160 | 6 | 0-20 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 05/09/15
 Work Order: 15-05-0697
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners

Project: San Diego Shipyard North

Page 4 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number | | | | |
|---------------------------|-------------|-----------|------------|---------------|----------------|-----------------------|--------|-----|--------|------------|
| 099-16-418-75 | LCS | Solid | GC/MS HHH | 05/09/15 | 05/11/15 13:12 | 150509L09 | | | | |
| 099-16-418-75 | LCSD | Solid | GC/MS HHH | 05/09/15 | 05/11/15 13:37 | 150509L09 | | | | |
| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | ME CL | RPD | RPD CL | Qualifiers |
| PCB018 | 50.00 | 31.46 | 63 | 33.09 | 66 | 50-150 | 33-167 | 5 | 0-25 | |
| PCB028 | 50.00 | 36.12 | 72 | 38.09 | 76 | 50-150 | 33-167 | 5 | 0-25 | |
| PCB044 | 50.00 | 37.12 | 74 | 39.38 | 79 | 50-150 | 33-167 | 6 | 0-25 | |
| PCB052 | 50.00 | 42.07 | 84 | 44.68 | 89 | 50-150 | 33-167 | 6 | 0-25 | |
| PCB066 | 50.00 | 41.47 | 83 | 43.70 | 87 | 50-150 | 33-167 | 5 | 0-25 | |
| PCB077 | 50.00 | 41.50 | 83 | 43.48 | 87 | 50-150 | 33-167 | 5 | 0-25 | |
| PCB101 | 50.00 | 39.71 | 79 | 41.99 | 84 | 50-150 | 33-167 | 6 | 0-25 | |
| PCB105 | 50.00 | 40.28 | 81 | 42.58 | 85 | 50-150 | 33-167 | 6 | 0-25 | |
| PCB118 | 50.00 | 41.98 | 84 | 44.76 | 90 | 50-150 | 33-167 | 6 | 0-25 | |
| PCB126 | 50.00 | 39.24 | 78 | 41.42 | 83 | 50-150 | 33-167 | 5 | 0-25 | |
| PCB128 | 50.00 | 37.96 | 76 | 40.13 | 80 | 50-150 | 33-167 | 6 | 0-25 | |
| PCB170 | 50.00 | 37.37 | 75 | 39.54 | 79 | 50-150 | 33-167 | 6 | 0-25 | |
| PCB180 | 50.00 | 39.22 | 78 | 41.25 | 83 | 50-150 | 33-167 | 5 | 0-25 | |
| PCB187 | 50.00 | 38.37 | 77 | 40.97 | 82 | 50-150 | 33-167 | 7 | 0-25 | |
| PCB206 | 50.00 | 36.70 | 73 | 38.49 | 77 | 50-150 | 33-167 | 5 | 0-25 | |

Total number of LCS compounds: 15
 Total number of ME compounds: 0
 Total number of ME compounds allowed: 1
 LCS ME CL validation result: Pass

[Return to Contents](#)

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 05/09/15
 Work Order: 15-05-0697
 Preparation: EPA 3550B (M)
 Method: Organotins by Krone et al.

Project: San Diego Shipyard North

Page 5 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|------|--------|------------|---------------|----------------|-----------------------|
| 099-07-016-1267 | LCS | Solid | GC/MS Y | 05/11/15 | 05/12/15 10:55 | 150511L03 |
| 099-07-016-1267 | LCSD | Solid | GC/MS Y | 05/11/15 | 05/12/15 11:11 | 150511L03 |

| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-------------|-------------|-----------|-----------|------------|------------|----------|-----|--------|------------|
| Tributyltin | 100.0 | 77.47 | 77 | 72.61 | 73 | 33-147 | 6 | 0-20 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

| <u>Qualifiers</u> | <u>Definition</u> |
|-------------------|---|
| * | See applicable analysis comment. |
| < | Less than the indicated value. |
| > | Greater than the indicated value. |
| 1 | Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification. |
| 2 | Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification. |
| 3 | Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control. |
| 4 | The MS/MSD RPD was out of control due to suspected matrix interference. |
| 5 | The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference. |
| 6 | Surrogate recovery below the acceptance limit. |
| 7 | Surrogate recovery above the acceptance limit. |
| B | Analyte was present in the associated method blank. |
| BU | Sample analyzed after holding time expired. |
| BV | Sample received after holding time expired. |
| CI | See case narrative. |
| E | Concentration exceeds the calibration range. |
| ET | Sample was extracted past end of recommended max. holding time. |
| HD | The chromatographic pattern was inconsistent with the profile of the reference fuel standard. |
| HDH | The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected). |
| HDL | The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected). |
| J | Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated. |
| JA | Analyte positively identified but quantitation is an estimate. |
| ME | LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean). |
| ND | Parameter not detected at the indicated reporting limit. |
| Q | Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater. |
| SG | The sample extract was subjected to Silica Gel treatment prior to analysis. |
| X | % Recovery and/or RPD out-of-range. |
| Z | Analyte presence was not confirmed by second column or GC/MS analysis. |
| | Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis. |
| | Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time. |
| | A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations. |



Calscience

7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
For courier service / sample drop off information, contact us26_sales@eurofins.com or call us.

LABORATORY CLIENT: Anchor QEA

ADDRESS: 27201 Puerta Real, Suite 350

CITY: Mission Viejo STATE: CA ZIP: 92691

TEL: 949.347.2780 E-MAIL: agale@anchorage.com or kking@anchorage.com

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):

SAME DAY 24 HR 48 HR 72 HR 5 DAYS STANDARD

COELT EDF GLOBAL ID: LOG CODE:

SPECIAL INSTRUCTIONS:

Rush samples: Start drying process asap.

Report J-flags

Report metals, PAHs, solids on a 24hr TAT and PCBs, organotins on a 48hr TAT
Standard Excel file EDD in addition to COELT EDF

| LAB USE ONLY | SAMPLE ID | SAMPLING | | MATRIX | NO. OF CONT. |
|--------------|-------------------|----------|------|--------|--------------|
| | | DATE | TIME | | |
| 1 | SD-N-C-02-D-0005 | 5/9/15 | 0942 | SED | 1 |
| 2 | SD-N-C-02-D-0535 | | 0942 | SED | 1 |
| 3 | SD-N-C-05B-D-0005 | | 1044 | SED | 1 |
| 4 | SD-N-C-05B-D-0535 | | 1044 | SED | 1 |
| 5 | SD-N-C-05A-D-0005 | | 1223 | SED | 1 |
| 6 | SD-N-C-05A-D-0535 | | 1227 | SED | 1 |
| | | | | SED | |
| | | | | SED | |
| | | | | SED | |
| | | | | SED | |

Relinquished by: (Signature)

Relinquished by: (Signature)

Relinquished by: (Signature)

Received by: (Signature/Affiliation)

Received by: (Signature/Affiliation)

Received by: (Signature/Affiliation)

Date: 5/9/15

Date: 5/9/15

Date: 5/9/15

Time: 1400

Time: 1620

Time:

WORK/LAB USE ONLY
15-05-0697

CLIENT PROJECT NAME / NUMBER:

San Diego Shipyards - North

PROJECT CONTACT:

Adam Gale or Kyle King

P.O. NO.:

SAMPLER(S): (PRINT)

Chris Osach

REQUESTED ANALYSES

Please check box or fill in blank as needed.

| SM 2540 B (M) Total solids | EPA 6020 /7471A Cu, Hg | EPA 8270C SIM PCB Congeners | EPA 8270C SIM PAHs | Organotins by Krone et al. (Tributyltin only) | Field Filtered | Preserved | Unpreserved |
|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|---|----------------|-----------|-------------|
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | | |

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: Anchor QEA

DATE: 05/8/2015

TEMPERATURE: (Criteria: 0.0°C - 6.0°C, not frozen except sediment/tissue)
Thermometer ID: SC2 (CF:-0.3°C); Temperature (w/o CF): 3.0 °C (w/ CF): 2.7 °C; [X] Blank [] Sample
[] Sample(s) outside temperature criteria (PM/APM contacted by: _____)
[] Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling
[] Sample(s) received at ambient temperature; placed on ice for transport by courier
Ambient Temperature: [] Air [] Filter
Checked by: 820

CUSTODY SEAL:
Cooler [] Present and Intact [] Present but Not Intact [X] Not Present [] N/A Checked by: 820
Sample(s) [] Present and Intact [] Present but Not Intact [X] Not Present [] N/A Checked by: 965

Table with columns: SAMPLE CONDITION, Yes, No, N/A. Rows include Chain-of-Custody (COC) document(s) received with samples, COC document(s) received complete, Sampler's name indicated on COC, Sample container label(s) consistent with COC, Proper containers for analyses requested, Sufficient volume/mass for analyses requested, Samples received within holding time, Aqueous samples for certain analyses received within 15-minute holding time, Proper preservation chemical(s) noted on COC and/or sample container, Container(s) for certain analysis free of headspace, Tedlar™ bag(s) free of condensation.

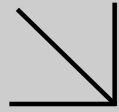
CONTAINER TYPE: (Trip Blank Lot Number: _____)
Aqueous: [] VOA [] VOAh [] VOAna2 [] 100PJ [] 100PJna2 [] 125AGB [] 125AGBh [] 125AGBp [] 125PB
[] 125PBzanna [] 250AGB [] 250CGB [] 250CGBs [] 250PB [] 250PBn [] 500AGB [] 500AGJ [] 500AGJs
[] 500PB [] 1AGB [] 1AGBna2 [] 1AGBs [] 1PB [] 1PBna [] _____ [] _____ [] _____
Solid: [] 4ozCGJ [X] 8ozCGJ [X] 16ozCGJ [] Sleeve (_____) [] EnCores® (_____) [] TerraCores® (_____) [] _____
Air: [] Tedlar™ [] Canister [] Sorbent Tube [] PUF [] _____ Other Matrix (____): [] _____ [] _____
Container: A = Amber, B = Bottle, C = Clear, E = Envelope, G = Glass, J = Jar, P = Plastic, and Z = Ziploc/Resealable Bag
Preservative: b = buffered, f = filtered, h = HCl, n = HNO3, na = NaOH, na2 = Na2S2O3, p = H3PO4, Labeled/Checked by: 965
s = H2SO4, u = ultra-pure, zanna = Zn(CH3CO2)2 + NaOH Reviewed by: 820



Environmental
Calscience

Supplemental Report 2

The original report has been revised/corrected.



WORK ORDER NUMBER: 15-05-1364

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: ANCHOR QEA, LLC

Client Project Name: San Diego Shipyard North

Attention: Adam Gale
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Nicole Scott for

Approved for release on 07/20/2015 by:
 Danielle Gonsman
 Project Manager

ResultLink ▶

Email your PM ▶



Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.



Contents

Client Project Name: San Diego Shipyard North
Work Order Number: 15-05-1364

| | | |
|---|--|----|
| 1 | Work Order Narrative. | 3 |
| 2 | Sample Summary. | 4 |
| 3 | Client Sample Data. | 5 |
| | 3.1 SM 2540 B (M) Total Solids (Solid). | 5 |
| | 3.2 EPA 6020 ICP/MS Metals (Solid). | 6 |
| | 3.3 EPA 7471A Mercury (Solid). | 7 |
| | 3.4 EPA 8270C SIM PAHs (Solid). | 8 |
| | 3.5 EPA 8270C SIM PCB Congeners (Solid). | 10 |
| | 3.6 Krone et al. Organotins (Solid). | 16 |
| 4 | Quality Control Sample Data. | 17 |
| | 4.1 MS/MSD. | 17 |
| | 4.2 PDS/PDSD. | 22 |
| | 4.3 Sample Duplicate. | 23 |
| | 4.4 LCS/LCSD. | 24 |
| 5 | Glossary of Terms and Qualifiers. | 29 |
| 6 | Chain-of-Custody/Sample Receipt Form. | 30 |

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 05/18/15. They were assigned to Work Order 15-05-1364.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of ≤ 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.



Calscience

Sample Summary

| | |
|------------------------------|--|
| Client: ANCHOR QEA, LLC | Work Order: 15-05-1364 |
| 27201 Puerta Real, Suite 350 | Project Name: San Diego Shipyard North |
| Mission Viejo, CA 92691-8306 | PO Number: |
| | Date/Time Received: 05/18/15 18:15 |
| | Number of Containers: 4 |

Attn: Adam Gale

| Sample Identification | Lab Number | Collection Date and Time | Number of Containers | Matrix |
|-------------------------|--------------|--------------------------|----------------------|----------|
| SD-N-C-16-D-0005-150518 | 15-05-1364-1 | 05/18/15 08:35 | 1 | Sediment |
| SD-N-C-16-D-0535-150518 | 15-05-1364-2 | 05/18/15 08:35 | 1 | Sediment |
| SD-N-C-19-D-0005-150518 | 15-05-1364-3 | 05/18/15 09:58 | 1 | Sediment |
| SD-N-C-19-D-0535-150518 | 15-05-1364-4 | 05/18/15 09:58 | 1 | Sediment |



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 05/18/15
Work Order: 15-05-1364
Preparation: N/A
Method: SM 2540 B (M)
Units: %

Project: San Diego Shipyard North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-16-D-0535-150518 | 15-05-1364-2-AA | 05/18/15 08:35 | Sediment | N/A | 05/18/15 | 05/19/15 14:00 | F0519TSB1 |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|---------------|--------|-------|-------|------|------------|
| Solids, Total | 80.8 | 0.100 | 0.100 | 1.00 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-19-D-0535-150518 | 15-05-1364-4-AA | 05/18/15 09:58 | Sediment | N/A | 05/18/15 | 05/19/15 14:00 | F0519TSB1 |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|---------------|--------|-------|-------|------|------------|
| Solids, Total | 79.6 | 0.100 | 0.100 | 1.00 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-05-019-2910 | N/A | Solid | N/A | 05/18/15 | 05/19/15 14:00 | F0519TSB1 |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|---------------|--------|-------|-------|------|------------|
| Solids, Total | ND | 0.100 | 0.100 | 1.00 | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 05/18/15
Work Order: 15-05-1364
Preparation: EPA 3050B
Method: EPA 6020
Units: mg/kg

Project: San Diego Shipyard North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-16-D-0535-150518 | 15-05-1364-2-AA | 05/18/15 08:35 | Sediment | ICP/MS 04 | 05/18/15 | 05/19/15 14:57 | 150518L01E |

Comment(s): - Results are reported on a dry weight basis.
- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|-------|--------|------|------------|
| Copper | 7.25 | 0.124 | 0.0519 | 1.00 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-19-D-0535-150518 | 15-05-1364-4-AA | 05/18/15 09:58 | Sediment | ICP/MS 04 | 05/18/15 | 05/19/15 15:01 | 150518L01E |

Comment(s): - Results are reported on a dry weight basis.
- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|-------|--------|------|------------|
| Copper | 5.34 | 0.126 | 0.0527 | 1.00 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-15-254-321 | N/A | Solid | ICP/MS 04 | 05/18/15 | 05/19/15 00:51 | 150518L01E |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|-------|--------|------|------------|
| Copper | ND | 0.100 | 0.0419 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 05/18/15
Work Order: 15-05-1364
Preparation: EPA 7471A Total
Method: EPA 7471A
Units: mg/kg

Project: San Diego Shipyard North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-16-D-0535-150518 | 15-05-1364-2-AA | 05/18/15 08:35 | Sediment | Mercury 05 | 05/18/15 | 05/19/15 13:23 | 150518L03E |

Comment(s): - Results are reported on a dry weight basis.
- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|--------|---------|------|------------|
| Mercury | 0.0218 | 0.0261 | 0.00765 | 1.00 | J |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-19-D-0535-150518 | 15-05-1364-4-AA | 05/18/15 09:58 | Sediment | Mercury 05 | 05/18/15 | 05/19/15 13:25 | 150518L03E |

Comment(s): - Results are reported on a dry weight basis.
- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|--------|---------|------|------------|
| Mercury | 0.207 | 0.0264 | 0.00776 | 1.00 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-16-278-140 | N/A | Solid | Mercury 05 | 05/18/15 | 05/18/15 20:01 | 150518L03E |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|--------|---------|------|------------|
| Mercury | ND | 0.0200 | 0.00587 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 05/18/15
Work Order: 15-05-1364
Preparation: EPA 3541
Method: EPA 8270C SIM PAHs
Units: ug/kg

Project: San Diego Shipyard North

Page 1 of 2

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-16-D-0535-150518 | 15-05-1364-2-AA | 05/18/15 08:35 | Sediment | GC/MS AAA | 05/18/15 | 05/19/15 21:01 | 150518L12 |

Comment(s): - Results are reported on a dry weight basis.

- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-------------------------|--------|----|-----|------|------------|
| Benzo (a) Anthracene | ND | 12 | 2.7 | 1.00 | |
| Benzo (a) Pyrene | 4.1 | 12 | 2.3 | 1.00 | J |
| Chrysene | ND | 12 | 2.8 | 1.00 | |
| Dibenz (a,h) Anthracene | ND | 12 | 2.4 | 1.00 | |
| Fluoranthene | 4.3 | 12 | 2.3 | 1.00 | J |
| Perylene | ND | 12 | 2.9 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|------------------|----------|----------------|------------|
| 2-Fluorobiphenyl | 80 | 14-146 | |
| Nitrobenzene-d5 | 86 | 18-162 | |
| p-Terphenyl-d14 | 78 | 34-148 | |

| SD-N-C-19-D-0535-150518 | 15-05-1364-4-AA | 05/18/15 09:58 | Sediment | GC/MS AAA | 05/18/15 | 05/19/15 21:21 | 150518L12 |
|-------------------------|-----------------|-------------------|----------|-----------|----------|-------------------|-----------|
|-------------------------|-----------------|-------------------|----------|-----------|----------|-------------------|-----------|

Comment(s): - Results are reported on a dry weight basis.

- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-------------------------|--------|----|-----|------|------------|
| Benzo (a) Anthracene | 16 | 13 | 2.7 | 1.00 | |
| Benzo (a) Pyrene | 55 | 13 | 2.3 | 1.00 | |
| Chrysene | 22 | 13 | 2.8 | 1.00 | |
| Dibenz (a,h) Anthracene | 7.5 | 13 | 2.5 | 1.00 | J |
| Fluoranthene | 54 | 13 | 2.3 | 1.00 | |
| Perylene | 13 | 13 | 3.0 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|------------------|----------|----------------|------------|
| 2-Fluorobiphenyl | 81 | 14-146 | |
| Nitrobenzene-d5 | 88 | 18-162 | |
| p-Terphenyl-d14 | 80 | 34-148 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 05/18/15
Work Order: 15-05-1364
Preparation: EPA 3541
Method: EPA 8270C SIM PAHs
Units: ug/kg

Project: San Diego Shipyard North

Page 2 of 2

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-----------------------|---------------------|--------------|------------------|-----------------|---------------------------|------------------|
| Method Blank | 099-14-097-162 | N/A | Solid | GC/MS AAA | 05/18/15 | 05/19/15 20:41 | 150518L12 |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|-------------------------|---------------|-----------|------------|-----------|-------------------|
| Benzo (a) Anthracene | ND | 10 | 2.2 | 1.00 | |
| Benzo (a) Pyrene | ND | 10 | 1.8 | 1.00 | |
| Chrysene | ND | 10 | 2.2 | 1.00 | |
| Dibenz (a,h) Anthracene | ND | 10 | 2.0 | 1.00 | |
| Fluoranthene | ND | 10 | 1.8 | 1.00 | |
| Perylene | ND | 10 | 2.4 | 1.00 | |

| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> |
|------------------|-----------------|-----------------------|-------------------|
| 2-Fluorobiphenyl | 86 | 14-146 | |
| Nitrobenzene-d5 | 91 | 18-162 | |
| p-Terphenyl-d14 | 80 | 34-148 | |



Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 05/18/15
Work Order: 15-05-1364
Preparation: EPA 3541
Method: EPA 8270C SIM PCB Congeners
Units: ug/kg

Project: San Diego Shipyard North

Page 1 of 6

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-16-D-0535-150518 | 15-05-1364-2-AA | 05/18/15 08:35 | Sediment | GC/MS HHH | 05/18/15 | 05/19/15 18:06 | 150518L13 |

Comment(s): - Results are reported on a dry weight basis.

- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|------------|--------|------|-------|------|------------|
| PCB018 | ND | 0.25 | 0.088 | 1.00 | |
| PCB028 | ND | 0.25 | 0.042 | 1.00 | |
| PCB037 | ND | 0.25 | 0.075 | 1.00 | |
| PCB044 | ND | 0.25 | 0.11 | 1.00 | |
| PCB049 | ND | 0.25 | 0.14 | 1.00 | |
| PCB052 | ND | 0.25 | 0.078 | 1.00 | |
| PCB066 | 0.14 | 0.25 | 0.13 | 1.00 | J |
| PCB070 | 0.26 | 0.25 | 0.074 | 1.00 | |
| PCB074 | ND | 0.25 | 0.11 | 1.00 | |
| PCB077 | ND | 0.25 | 0.097 | 1.00 | |
| PCB081 | ND | 0.25 | 0.15 | 1.00 | |
| PCB087 | ND | 0.25 | 0.13 | 1.00 | |
| PCB099 | 0.38 | 0.25 | 0.075 | 1.00 | |
| PCB101 | 0.83 | 0.25 | 0.12 | 1.00 | |
| PCB105 | ND | 0.25 | 0.068 | 1.00 | |
| PCB110 | 0.82 | 0.25 | 0.057 | 1.00 | |
| PCB114 | ND | 0.25 | 0.10 | 1.00 | |
| PCB118 | 0.62 | 0.25 | 0.10 | 1.00 | |
| PCB119 | ND | 0.25 | 0.12 | 1.00 | |
| PCB123 | ND | 0.25 | 0.13 | 1.00 | |
| PCB126 | ND | 0.25 | 0.10 | 1.00 | |
| PCB128 | ND | 0.25 | 0.13 | 1.00 | |
| PCB132/153 | 1.1 | 0.50 | 0.22 | 1.00 | |
| PCB138/158 | 1.0 | 0.50 | 0.12 | 1.00 | |
| PCB149 | 0.63 | 0.25 | 0.12 | 1.00 | |
| PCB151 | 0.33 | 0.25 | 0.084 | 1.00 | |
| PCB156 | ND | 0.25 | 0.072 | 1.00 | |
| PCB157 | ND | 0.25 | 0.065 | 1.00 | |
| PCB167 | ND | 0.25 | 0.077 | 1.00 | |
| PCB168 | ND | 0.25 | 0.061 | 1.00 | |
| PCB169 | ND | 0.25 | 0.076 | 1.00 | |
| PCB170 | ND | 0.25 | 0.079 | 1.00 | |
| PCB177 | ND | 0.25 | 0.11 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 05/18/15
Work Order: 15-05-1364
Preparation: EPA 3541
Method: EPA 8270C SIM PCB Congeners
Units: ug/kg

Project: San Diego Shipyard North

Page 2 of 6

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|-----------------|-----------------------|-------------------|-----------|-------------------|
| PCB180 | 0.40 | 0.25 | 0.052 | 1.00 | |
| PCB183 | ND | 0.25 | 0.14 | 1.00 | |
| PCB187 | 0.28 | 0.25 | 0.10 | 1.00 | |
| PCB189 | ND | 0.25 | 0.076 | 1.00 | |
| PCB194 | ND | 0.25 | 0.14 | 1.00 | |
| PCB201 | ND | 0.25 | 0.12 | 1.00 | |
| PCB206 | ND | 0.25 | 0.24 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | | |
| 2-Fluorobiphenyl | 50 | 50-150 | | | |
| p-Terphenyl-d14 | 86 | 50-150 | | | |



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 05/18/15
Work Order: 15-05-1364
Preparation: EPA 3541
Method: EPA 8270C SIM PCB Congeners
Units: ug/kg

Project: San Diego Shipyard North

Page 3 of 6

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-19-D-0535-150518 | 15-05-1364-4-AA | 05/18/15 09:58 | Sediment | GC/MS HHH | 05/18/15 | 05/19/15 18:32 | 150518L13 |

Comment(s): - Results are reported on a dry weight basis.

- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|------------|--------|------|-------|------|------------|
| PCB018 | ND | 0.25 | 0.089 | 1.00 | |
| PCB028 | ND | 0.25 | 0.042 | 1.00 | |
| PCB037 | ND | 0.25 | 0.076 | 1.00 | |
| PCB044 | ND | 0.25 | 0.11 | 1.00 | |
| PCB049 | ND | 0.25 | 0.14 | 1.00 | |
| PCB052 | ND | 0.25 | 0.078 | 1.00 | |
| PCB066 | ND | 0.25 | 0.13 | 1.00 | |
| PCB070 | ND | 0.25 | 0.075 | 1.00 | |
| PCB074 | ND | 0.25 | 0.11 | 1.00 | |
| PCB077 | ND | 0.25 | 0.097 | 1.00 | |
| PCB081 | ND | 0.25 | 0.15 | 1.00 | |
| PCB087 | ND | 0.25 | 0.13 | 1.00 | |
| PCB099 | 0.19 | 0.25 | 0.076 | 1.00 | J |
| PCB101 | 0.30 | 0.25 | 0.12 | 1.00 | |
| PCB105 | ND | 0.25 | 0.068 | 1.00 | |
| PCB110 | ND | 0.25 | 0.057 | 1.00 | |
| PCB114 | ND | 0.25 | 0.10 | 1.00 | |
| PCB118 | ND | 0.25 | 0.10 | 1.00 | |
| PCB119 | ND | 0.25 | 0.12 | 1.00 | |
| PCB123 | ND | 0.25 | 0.13 | 1.00 | |
| PCB126 | ND | 0.25 | 0.10 | 1.00 | |
| PCB128 | ND | 0.25 | 0.13 | 1.00 | |
| PCB132/153 | 0.63 | 0.50 | 0.22 | 1.00 | |
| PCB138/158 | 0.40 | 0.50 | 0.12 | 1.00 | J |
| PCB149 | 0.38 | 0.25 | 0.12 | 1.00 | |
| PCB151 | ND | 0.25 | 0.084 | 1.00 | |
| PCB156 | ND | 0.25 | 0.072 | 1.00 | |
| PCB157 | ND | 0.25 | 0.065 | 1.00 | |
| PCB167 | ND | 0.25 | 0.077 | 1.00 | |
| PCB168 | ND | 0.25 | 0.061 | 1.00 | |
| PCB169 | ND | 0.25 | 0.076 | 1.00 | |
| PCB170 | ND | 0.25 | 0.079 | 1.00 | |
| PCB177 | ND | 0.25 | 0.11 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 05/18/15
 Work Order: 15-05-1364
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyard North

Page 4 of 6

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|-----------------|-----------------------|-------------------|-----------|-------------------|
| PCB180 | 0.30 | 0.25 | 0.053 | 1.00 | |
| PCB183 | ND | 0.25 | 0.14 | 1.00 | |
| PCB187 | 0.20 | 0.25 | 0.11 | 1.00 | J |
| PCB189 | ND | 0.25 | 0.076 | 1.00 | |
| PCB194 | ND | 0.25 | 0.14 | 1.00 | |
| PCB201 | ND | 0.25 | 0.12 | 1.00 | |
| PCB206 | ND | 0.25 | 0.24 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | | |
| 2-Fluorobiphenyl | 62 | 50-150 | | | |
| p-Terphenyl-d14 | 82 | 50-150 | | | |

Return to Contents 

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 05/18/15
Work Order: 15-05-1364
Preparation: EPA 3541
Method: EPA 8270C SIM PCB Congeners
Units: ug/kg

Project: San Diego Shipyard North

Page 5 of 6

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-16-418-77 | N/A | Solid | GC/MS HHH | 05/18/15 | 05/19/15 17:40 | 150518L13 |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|------------|--------|------|-------|------|------------|
| PCB018 | ND | 0.20 | 0.071 | 1.00 | |
| PCB028 | ND | 0.20 | 0.034 | 1.00 | |
| PCB037 | ND | 0.20 | 0.060 | 1.00 | |
| PCB044 | ND | 0.20 | 0.087 | 1.00 | |
| PCB049 | ND | 0.20 | 0.11 | 1.00 | |
| PCB052 | ND | 0.20 | 0.063 | 1.00 | |
| PCB066 | ND | 0.20 | 0.10 | 1.00 | |
| PCB070 | ND | 0.20 | 0.060 | 1.00 | |
| PCB074 | ND | 0.20 | 0.087 | 1.00 | |
| PCB077 | ND | 0.20 | 0.078 | 1.00 | |
| PCB081 | ND | 0.20 | 0.12 | 1.00 | |
| PCB087 | ND | 0.20 | 0.11 | 1.00 | |
| PCB099 | ND | 0.20 | 0.061 | 1.00 | |
| PCB101 | ND | 0.20 | 0.098 | 1.00 | |
| PCB105 | ND | 0.20 | 0.055 | 1.00 | |
| PCB110 | ND | 0.20 | 0.046 | 1.00 | |
| PCB114 | ND | 0.20 | 0.082 | 1.00 | |
| PCB118 | ND | 0.20 | 0.084 | 1.00 | |
| PCB119 | ND | 0.20 | 0.094 | 1.00 | |
| PCB123 | ND | 0.20 | 0.10 | 1.00 | |
| PCB126 | ND | 0.20 | 0.080 | 1.00 | |
| PCB128 | ND | 0.20 | 0.10 | 1.00 | |
| PCB132/153 | ND | 0.40 | 0.17 | 1.00 | |
| PCB138/158 | ND | 0.40 | 0.094 | 1.00 | |
| PCB149 | ND | 0.20 | 0.098 | 1.00 | |
| PCB151 | ND | 0.20 | 0.067 | 1.00 | |
| PCB156 | ND | 0.20 | 0.058 | 1.00 | |
| PCB157 | ND | 0.20 | 0.052 | 1.00 | |
| PCB167 | ND | 0.20 | 0.062 | 1.00 | |
| PCB168 | ND | 0.20 | 0.049 | 1.00 | |
| PCB169 | ND | 0.20 | 0.061 | 1.00 | |
| PCB170 | ND | 0.20 | 0.063 | 1.00 | |
| PCB177 | ND | 0.20 | 0.087 | 1.00 | |
| PCB180 | ND | 0.20 | 0.042 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 05/18/15
Work Order: 15-05-1364
Preparation: EPA 3541
Method: EPA 8270C SIM PCB Congeners
Units: ug/kg

Project: San Diego Shipyard North

Page 6 of 6

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|-----------------|-----------------------|-------------------|-----------|-------------------|
| PCB183 | ND | 0.20 | 0.11 | 1.00 | |
| PCB187 | ND | 0.20 | 0.084 | 1.00 | |
| PCB189 | ND | 0.20 | 0.061 | 1.00 | |
| PCB194 | ND | 0.20 | 0.11 | 1.00 | |
| PCB201 | ND | 0.20 | 0.097 | 1.00 | |
| PCB206 | ND | 0.20 | 0.19 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | | |
| 2-Fluorobiphenyl | 68 | 50-150 | | | |
| p-Terphenyl-d14 | 80 | 50-150 | | | |



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 05/18/15
Work Order: 15-05-1364
Preparation: EPA 3550B (M)
Method: Organotins by Krone et al.
Units: ug/kg

Project: San Diego Shipyard North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-16-D-0535-150518 | 15-05-1364-2-AA | 05/18/15 08:35 | Sediment | GC/MS Y | 05/19/15 | 05/19/15 18:19 | 150519L04 |

Comment(s): - Results are reported on a dry weight basis.
- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|--------------|----------|----------------|------------|------|------------|
| Tributyltin | ND | 3.7 | 1.8 | 1.00 | |
| Surrogate | Rec. (%) | Control Limits | Qualifiers | | |
| Tripentyltin | 82 | 27-135 | | | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-19-D-0535-150518 | 15-05-1364-4-AA | 05/18/15 09:58 | Sediment | GC/MS Y | 05/19/15 | 05/19/15 18:35 | 150519L04 |

Comment(s): - Results are reported on a dry weight basis.
- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|--------------|----------|----------------|------------|------|------------|
| Tributyltin | ND | 3.8 | 1.9 | 1.00 | |
| Surrogate | Rec. (%) | Control Limits | Qualifiers | | |
| Tripentyltin | 83 | 27-135 | | | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-07-016-1270 | N/A | Solid | GC/MS Y | 05/19/15 | 05/19/15 18:04 | 150519L04 |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|--------------|----------|----------------|------------|------|------------|
| Tributyltin | ND | 3.0 | 1.5 | 1.00 | |
| Surrogate | Rec. (%) | Control Limits | Qualifiers | | |
| Tripentyltin | 91 | 27-135 | | | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 05/18/15
Work Order: 15-05-1364
Preparation: EPA 3050B
Method: EPA 6020

Project: San Diego Shipyard North

Page 1 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|--------|------------|---------------|----------------|---------------------|
| 15-05-1247-1 | Sample | Solid | ICP/MS 04 | 05/18/15 | 05/19/15 18:26 | 150518S01 |
| 15-05-1247-1 | Matrix Spike | Solid | ICP/MS 04 | 05/18/15 | 05/19/15 15:05 | 150518S01 |
| 15-05-1247-1 | Matrix Spike Duplicate | Solid | ICP/MS 04 | 05/18/15 | 05/19/15 16:11 | 150518S01 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Copper | 160.7 | 25.00 | 188.9 | 4X | 162.2 | 4X | 25-157 | 4X | 0-22 | Q |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 05/18/15
Work Order: 15-05-1364
Preparation: EPA 7471A Total
Method: EPA 7471A

Project: San Diego Shipyard North

Page 2 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|--------|------------|---------------|----------------|---------------------|
| 15-05-0826-41 | Sample | Solid | Mercury 05 | 05/18/15 | 05/19/15 14:15 | 150518S03 |
| 15-05-0826-41 | Matrix Spike | Solid | Mercury 05 | 05/18/15 | 05/18/15 20:26 | 150518S03 |
| 15-05-0826-41 | Matrix Spike Duplicate | Solid | Mercury 05 | 05/18/15 | 05/18/15 20:28 | 150518S03 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Mercury | 0.2755 | 0.8350 | 1.087 | 97 | 1.076 | 96 | 71-137 | 1 | 0-14 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 05/18/15
Work Order: 15-05-1364
Preparation: EPA 3541
Method: EPA 8270C SIM PAHS

Project: San Diego Shipyard North

Page 3 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number | | | | |
|---------------------------|------------------------|-------------|------------|---------------|----------------|---------------------|----------|-----|--------|------------|
| SD-N-C-19-D-0535-150518 | Sample | Sediment | GC/MS AAA | 05/18/15 | 05/19/15 21:21 | 150518S12 | | | | |
| SD-N-C-19-D-0535-150518 | Matrix Spike | Sediment | GC/MS AAA | 05/18/15 | 05/19/15 20:01 | 150518S12 | | | | |
| SD-N-C-19-D-0535-150518 | Matrix Spike Duplicate | Sediment | GC/MS AAA | 05/18/15 | 05/19/15 20:21 | 150518S12 | | | | |
| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
| Benzo (a) Anthracene | 13.03 | 100.0 | 89.59 | 77 | 93.49 | 80 | 40-160 | 4 | 0-20 | |
| Benzo (a) Pyrene | 43.56 | 100.0 | 124.9 | 81 | 128.8 | 85 | 40-160 | 3 | 0-20 | |
| Chrysene | 17.32 | 100.0 | 92.84 | 76 | 91.66 | 74 | 40-160 | 1 | 0-20 | |
| Dibenz (a,h) Anthracene | ND | 100.0 | 85.15 | 85 | 88.67 | 89 | 40-160 | 4 | 0-20 | |
| Fluoranthene | 42.65 | 100.0 | 119.1 | 76 | 124.9 | 82 | 40-160 | 5 | 0-20 | |


 Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 05/18/15
Work Order: 15-05-1364
Preparation: EPA 3541
Method: EPA 8270C SIM PCB Congeners

Project: San Diego Shipyard North

Page 4 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-19-D-0535-150518 | Sample | Sediment | GC/MS HHH | 05/18/15 | 05/19/15 18:32 | 150518S13 |
| SD-N-C-19-D-0535-150518 | Matrix Spike | Sediment | GC/MS HHH | 05/18/15 | 05/19/15 18:58 | 150518S13 |
| SD-N-C-19-D-0535-150518 | Matrix Spike Duplicate | Sediment | GC/MS HHH | 05/18/15 | 05/19/15 19:24 | 150518S13 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| PCB018 | ND | 50.00 | 32.56 | 65 | 34.23 | 68 | 50-150 | 5 | 0-25 | |
| PCB028 | ND | 50.00 | 37.12 | 74 | 39.59 | 79 | 50-150 | 6 | 0-25 | |
| PCB044 | ND | 50.00 | 36.20 | 72 | 38.54 | 77 | 50-150 | 6 | 0-25 | |
| PCB052 | ND | 50.00 | 37.60 | 75 | 38.92 | 78 | 50-150 | 3 | 0-25 | |
| PCB066 | ND | 50.00 | 40.91 | 82 | 44.04 | 88 | 50-150 | 7 | 0-25 | |
| PCB077 | ND | 50.00 | 43.25 | 87 | 45.28 | 91 | 50-150 | 5 | 0-25 | |
| PCB101 | 0.2383 | 50.00 | 38.47 | 76 | 41.45 | 82 | 50-150 | 7 | 0-25 | |
| PCB105 | ND | 50.00 | 44.86 | 90 | 48.37 | 97 | 50-150 | 8 | 0-25 | |
| PCB118 | ND | 50.00 | 45.54 | 91 | 48.15 | 96 | 50-150 | 6 | 0-25 | |
| PCB126 | ND | 50.00 | 44.91 | 90 | 48.70 | 97 | 50-150 | 8 | 0-25 | |
| PCB128 | ND | 50.00 | 43.37 | 87 | 47.12 | 94 | 50-150 | 8 | 0-25 | |
| PCB170 | ND | 50.00 | 39.51 | 79 | 40.81 | 82 | 50-150 | 3 | 0-25 | |
| PCB180 | 0.2416 | 50.00 | 48.57 | 97 | 52.21 | 104 | 50-150 | 7 | 0-25 | |
| PCB187 | ND | 50.00 | 43.84 | 88 | 47.48 | 95 | 50-150 | 8 | 0-25 | |
| PCB206 | ND | 50.00 | 41.25 | 83 | 43.52 | 87 | 50-150 | 5 | 0-25 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 05/18/15
 Work Order: 15-05-1364
 Preparation: EPA 3550B (M)
 Method: Organotins by Krone et al.

Project: San Diego Shipyard North

Page 5 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-19-D-0535-150518 | Sample | Sediment | GC/MS Y | 05/19/15 | 05/19/15 18:35 | 150519S04 |
| SD-N-C-19-D-0535-150518 | Matrix Spike | Sediment | GC/MS Y | 05/19/15 | 05/19/15 18:51 | 150519S04 |
| SD-N-C-19-D-0535-150518 | Matrix Spike Duplicate | Sediment | GC/MS Y | 05/19/15 | 05/19/15 19:06 | 150519S04 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-------------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Tributyltin | ND | 100.0 | 80.90 | 81 | 81.63 | 82 | 34-142 | 1 | 0-50 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - PDS

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 05/18/15
Work Order: 15-05-1364
Preparation: EPA 3050B
Method: EPA 6020

Project: San Diego Shipyard North

Page 1 of 1

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | PDS/PDSD Batch Number |
|---------------------------|--------------|-------------|------------|----------------|----------------|-----------------------|
| 15-05-1247-1 | Sample | Solid | ICP/MS 04 | 05/18/15 00:00 | 05/19/15 18:26 | 150518S01 |
| 15-05-1247-1 | PDS | Solid | ICP/MS 04 | 05/18/15 00:00 | 05/19/15 16:15 | 150518S01 |
| Parameter | Sample Conc. | Spike Added | PDS Conc. | PDS %Rec. | %Rec. CL | Qualifiers |
| Copper | 160.7 | 25.00 | 187.4 | 4X | 75-125 | Q |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Sample Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 05/18/15
 Work Order: 15-05-1364
 Preparation: N/A
 Method: SM 2540 B (M)

Project: San Diego Shipyard North

Page 1 of 1

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | Duplicate Batch Number |
|---------------------------|------------------|---------------------|------------------|----------------|----------------|------------------------|
| SD-N-C-16-D-0535-150518 | Sample | Sediment | N/A | 05/18/15 00:00 | 05/19/15 14:00 | F0519TSD1 |
| SD-N-C-16-D-0535-150518 | Sample Duplicate | Sediment | N/A | 05/18/15 00:00 | 05/19/15 14:00 | F0519TSD1 |
| <u>Parameter</u> | | <u>Sample Conc.</u> | <u>DUP Conc.</u> | <u>RPD</u> | <u>RPD CL</u> | <u>Qualifiers</u> |
| Solids, Total | | 80.80 | 80.20 | 1 | 0-10 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 05/18/15
 Work Order: 15-05-1364
 Preparation: EPA 3050B
 Method: EPA 6020

Project: San Diego Shipyard North

Page 1 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number | | | |
|---------------------------|-------------|-----------|------------|---------------|----------------|-----------------------|-----|--------|------------|
| 099-15-254-321 | LCS | Solid | ICP/MS 04 | 05/18/15 | 05/19/15 01:03 | 150518L01E | | | |
| 099-15-254-321 | LCSD | Solid | ICP/MS 04 | 05/18/15 | 05/19/15 00:59 | 150518L01E | | | |
| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
| Copper | 25.00 | 25.84 | 103 | 26.49 | 106 | 80-120 | 2 | 0-20 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 05/18/15
 Work Order: 15-05-1364
 Preparation: EPA 7471A Total
 Method: EPA 7471A

Project: San Diego Shipyard North

Page 2 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number | | | |
|---------------------------|-------------|-----------|------------|---------------|----------------|-----------------------|-----|--------|------------|
| 099-16-278-140 | LCS | Solid | Mercury 05 | 05/18/15 | 05/18/15 20:08 | 150518L03E | | | |
| 099-16-278-140 | LCSD | Solid | Mercury 05 | 05/18/15 | 05/18/15 20:10 | 150518L03E | | | |
| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
| Mercury | 0.8350 | 0.8580 | 103 | 0.8011 | 96 | 82-124 | 7 | 0-16 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 05/18/15
Work Order: 15-05-1364
Preparation: EPA 3541
Method: EPA 8270C SIM PAHs

Project: San Diego Shipyard North

Page 3 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number | | | |
|---------------------------|-------------|-----------|------------|---------------|----------------|-----------------------|-----|--------|------------|
| 099-14-097-162 | LCS | Solid | GC/MS AAA | 05/18/15 | 05/19/15 19:21 | 150518L12 | | | |
| 099-14-097-162 | LCSD | Solid | GC/MS AAA | 05/18/15 | 05/19/15 19:41 | 150518L12 | | | |
| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
| Benzo (a) Anthracene | 100.0 | 74.66 | 75 | 75.82 | 76 | 40-160 | 2 | 0-20 | |
| Benzo (a) Pyrene | 100.0 | 75.68 | 76 | 76.78 | 77 | 40-160 | 1 | 0-20 | |
| Chrysene | 100.0 | 80.81 | 81 | 80.81 | 81 | 40-160 | 0 | 0-20 | |
| Dibenz (a,h) Anthracene | 100.0 | 74.05 | 74 | 77.66 | 78 | 40-160 | 5 | 0-20 | |
| Fluoranthene | 100.0 | 75.74 | 76 | 77.85 | 78 | 40-160 | 3 | 0-20 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 05/18/15
Work Order: 15-05-1364
Preparation: EPA 3541
Method: EPA 8270C SIM PCB Congeners

Project: San Diego Shipyard North

Page 4 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number | | | | |
|---------------------------|-------------|-----------|------------|---------------|----------------|-----------------------|--------|-----|--------|------------|
| 099-16-418-77 | LCS | Solid | GC/MS HHH | 05/18/15 | 05/19/15 16:49 | 150518L13 | | | | |
| 099-16-418-77 | LCSD | Solid | GC/MS HHH | 05/18/15 | 05/19/15 17:15 | 150518L13 | | | | |
| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | ME CL | RPD | RPD CL | Qualifiers |
| PCB018 | 50.00 | 33.06 | 66 | 35.98 | 72 | 50-150 | 33-167 | 8 | 0-25 | |
| PCB028 | 50.00 | 36.78 | 74 | 39.47 | 79 | 50-150 | 33-167 | 7 | 0-25 | |
| PCB044 | 50.00 | 36.32 | 73 | 38.68 | 77 | 50-150 | 33-167 | 6 | 0-25 | |
| PCB052 | 50.00 | 37.01 | 74 | 38.87 | 78 | 50-150 | 33-167 | 5 | 0-25 | |
| PCB066 | 50.00 | 40.29 | 81 | 43.41 | 87 | 50-150 | 33-167 | 7 | 0-25 | |
| PCB077 | 50.00 | 41.05 | 82 | 44.36 | 89 | 50-150 | 33-167 | 8 | 0-25 | |
| PCB101 | 50.00 | 37.62 | 75 | 40.18 | 80 | 50-150 | 33-167 | 7 | 0-25 | |
| PCB105 | 50.00 | 41.67 | 83 | 44.72 | 89 | 50-150 | 33-167 | 7 | 0-25 | |
| PCB118 | 50.00 | 42.98 | 86 | 46.34 | 93 | 50-150 | 33-167 | 8 | 0-25 | |
| PCB126 | 50.00 | 42.22 | 84 | 44.55 | 89 | 50-150 | 33-167 | 5 | 0-25 | |
| PCB128 | 50.00 | 40.76 | 82 | 43.57 | 87 | 50-150 | 33-167 | 7 | 0-25 | |
| PCB170 | 50.00 | 37.86 | 76 | 40.27 | 81 | 50-150 | 33-167 | 6 | 0-25 | |
| PCB180 | 50.00 | 43.25 | 86 | 45.71 | 91 | 50-150 | 33-167 | 6 | 0-25 | |
| PCB187 | 50.00 | 40.82 | 82 | 43.34 | 87 | 50-150 | 33-167 | 6 | 0-25 | |
| PCB206 | 50.00 | 39.18 | 78 | 42.03 | 84 | 50-150 | 33-167 | 7 | 0-25 | |

Total number of LCS compounds: 15

Total number of ME compounds: 0

Total number of ME compounds allowed: 1

LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 05/18/15
Work Order: 15-05-1364
Preparation: EPA 3550B (M)
Method: Organotins by Krone et al.

Project: San Diego Shipyard North

Page 5 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number | | | |
|---------------------------|-------------|-----------|------------|---------------|----------------|-----------------------|-----|--------|------------|
| 099-07-016-1270 | LCS | Solid | GC/MS Y | 05/19/15 | 05/19/15 17:32 | 150519L04 | | | |
| 099-07-016-1270 | LCSD | Solid | GC/MS Y | 05/19/15 | 05/19/15 17:48 | 150519L04 | | | |
| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
| Tributyltin | 100.0 | 90.11 | 90 | 95.09 | 95 | 33-147 | 5 | 0-20 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Glossary of Terms and Qualifiers

Work Order: 15-05-1364

Page 1 of 1

| <u>Qualifiers</u> | <u>Definition</u> |
|-------------------|---|
| * | See applicable analysis comment. |
| < | Less than the indicated value. |
| > | Greater than the indicated value. |
| 1 | Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification. |
| 2 | Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification. |
| 3 | Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control. |
| 4 | The MS/MSD RPD was out of control due to suspected matrix interference. |
| 5 | The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference. |
| 6 | Surrogate recovery below the acceptance limit. |
| 7 | Surrogate recovery above the acceptance limit. |
| B | Analyte was present in the associated method blank. |
| BU | Sample analyzed after holding time expired. |
| BV | Sample received after holding time expired. |
| CI | See case narrative. |
| E | Concentration exceeds the calibration range. |
| ET | Sample was extracted past end of recommended max. holding time. |
| HD | The chromatographic pattern was inconsistent with the profile of the reference fuel standard. |
| HDH | The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected). |
| HDL | The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected). |
| J | Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated. |
| JA | Analyte positively identified but quantitation is an estimate. |
| ME | LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean). |
| ND | Parameter not detected at the indicated reporting limit. |
| Q | Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater. |
| SG | The sample extract was subjected to Silica Gel treatment prior to analysis. |
| X | % Recovery and/or RPD out-of-range. |
| Z | Analyte presence was not confirmed by second column or GC/MS analysis. |
| | Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis. |
| | Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time. |
| | A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations. |

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: Anchor QEA

DATE: 05/18/2015

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC2 (CF:-0.3°C); Temperature (w/o CF): 3.0 °C (w/ CF): 2.7 °C; Blank Sample

Sample(s) outside temperature criteria (PM/APM contacted by: _____)

Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: Air Filter

Checked by: 820

CUSTODY SEAL:

Cooler Present and Intact Present but Not Intact Not Present N/A

Checked by: 820

Sample(s) Present and Intact Present but Not Intact Not Present N/A

Checked by: 659

SAMPLE CONDITION:

Chain-of-Custody (COC) document(s) received with samples Yes No N/A

COC document(s) received complete Yes No N/A

Sampling date Sampling time Matrix Number of containers

No analysis requested Not relinquished No relinquished date No relinquished time

Sampler's name indicated on COC Yes No N/A

Sample container label(s) consistent with COC Yes No N/A

Sample container(s) intact and in good condition Yes No N/A

Proper containers for analyses requested Yes No N/A

Sufficient volume/mass for analyses requested Yes No N/A

Samples received within holding time Yes No N/A

Aqueous samples for certain analyses received within 15-minute holding time

pH Residual Chlorine Dissolved Sulfide Dissolved Oxygen Yes No N/A

Proper preservation chemical(s) noted on COC and/or sample container Yes No N/A

Unpreserved aqueous sample(s) received for certain analyses

Volatile Organics Total Metals Dissolved Metals

Container(s) for certain analysis free of headspace Yes No N/A

Volatile Organics Dissolved Gases (RSK-175) Dissolved Oxygen (SM 4500)

Carbon Dioxide (SM 4500) Ferrous Iron (SM 3500) Hydrogen Sulfide (Hach)

Tedlar™ bag(s) free of condensation Yes No N/A

CONTAINER TYPE:

(Trip Blank Lot Number: _____)

Aqueous: VOA VOAh VOAna₂ 100PJ 100PJna₂ 125AGB 125AGBh 125AGBp 125PB

125PBz_{na} 250AGB 250CGB 250CGBs 250PB 250PBn 500AGB 500AGJ 500AGJs

500PB 1AGB 1AGBna₂ 1AGBs 1PB 1PBna _____ _____ _____ _____

Solid: 4ozCGJ 8ozCGJ 16ozCGJ Sleeve (_____) EnCores® (_____) TerraCores® (_____) _____

Air: Tedlar™ Canister Sorbent Tube PUF _____ Other Matrix (____): _____ _____

Container: A = Amber, B = Bottle, C = Clear, E = Envelope, G = Glass, J = Jar, P = Plastic, and Z = Ziploc/Resealable Bag

Preservative: b = buffered, f = filtered, h = HCl, n = HNO₃, na = NaOH, na₂ = Na₂S₂O₃, p = H₃PO₄, Labeled/Checked by: 659

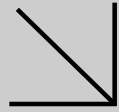
s = H₂SO₄, u = ultra-pure, z_{na} = Zn(CH₃CO₂)₂ + NaOH

Reviewed by: 300

Return to Contents



Calscience



WORK ORDER NUMBER: 15-06-0300

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: ANCHOR QEA, LLC

Client Project Name: San Diego Shipyards- North

Attention: Adam Gale
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Approved for release on 06/05/2015 by:
Danielle Gonsman
Project Manager

ResultLink ▶

Email your PM ▶



Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

Contents

Client Project Name: San Diego Shipyards- North
 Work Order Number: 15-06-0300

| | | |
|---|--|----|
| 1 | Work Order Narrative. | 3 |
| 2 | Sample Summary. | 4 |
| 3 | Client Sample Data. | 5 |
| | 3.1 SM 2540 B (M) Total Solids (Solid). | 5 |
| | 3.2 EPA 6020 ICP/MS Metals (Solid). | 6 |
| | 3.3 EPA 7471A Mercury (Solid). | 7 |
| | 3.4 EPA 8270C SIM PAHs (Solid). | 8 |
| | 3.5 EPA 8270C SIM PCB Congeners (Solid). | 9 |
| | 3.6 Krone et al. Organotins (Solid). | 13 |
| 4 | Quality Control Sample Data. | 14 |
| | 4.1 MS/MSD. | 14 |
| | 4.2 PDS/PDSD. | 19 |
| | 4.3 Sample Duplicate. | 20 |
| | 4.4 LCS/LCSD. | 21 |
| 5 | Glossary of Terms and Qualifiers. | 26 |
| 6 | Chain-of-Custody/Sample Receipt Form. | 27 |

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 06/03/15. They were assigned to Work Order 15-06-0300.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of ≤ 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.



Calscience

Sample Summary

| | |
|------------------------------|--|
| Client: ANCHOR QEA, LLC | Work Order: 15-06-0300 |
| 27201 Puerta Real, Suite 350 | Project Name: San Diego Shipyards- North |
| Mission Viejo, CA 92691-8306 | PO Number: |
| | Date/Time Received: 06/03/15 19:10 |
| | Number of Containers: 2 |

Attn: Adam Gale

| Sample Identification | Lab Number | Collection Date and Time | Number of Containers | Matrix |
|-------------------------|--------------|--------------------------|----------------------|----------|
| SD-N-C-10-D-0005-150603 | 15-06-0300-1 | 06/03/15 09:42 | 1 | Sediment |
| SD-N-C-10-D-0035-150603 | 15-06-0300-2 | 06/03/15 09:42 | 1 | Sediment |

Return to Contents



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 06/03/15
Work Order: 15-06-0300
Preparation: N/A
Method: SM 2540 B (M)
Units: %

Project: San Diego Shipyards- North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-10-D-0035-150603 | 15-06-0300-2-A | 06/03/15 09:42 | Sediment | N/A | 06/03/15 | 06/04/15 14:00 | F0604TSB3 |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|---------------|--------|-------|-------|------|------------|
| Solids, Total | 79.7 | 0.100 | 0.100 | 1.00 | |

| Method Blank | 099-05-019-2924 | N/A | Solid | N/A | 06/03/15 | 06/04/15 14:00 | F0604TSB3 |
|--------------|-----------------|-----|-------|-----|----------|-------------------|-----------|
|--------------|-----------------|-----|-------|-----|----------|-------------------|-----------|

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|---------------|--------|-------|-------|------|------------|
| Solids, Total | ND | 0.100 | 0.100 | 1.00 | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 06/03/15
Work Order: 15-06-0300
Preparation: EPA 3050B
Method: EPA 6020
Units: mg/kg

Project: San Diego Shipyards- North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-10-D-0035-150603 | 15-06-0300-2-AA | 06/03/15 09:42 | Sediment | ICP/MS 04 | 06/04/15 | 06/04/15 16:07 | 150604L01E |

Comment(s): - Results are reported on a dry weight basis.
- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|-------|--------|------|------------|
| Copper | 2.70 | 0.125 | 0.0526 | 1.00 | |

| Method Blank | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-15-254-324 | N/A | Solid | ICP/MS 04 | 06/04/15 | 06/04/15 15:41 | 150604L01E |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|-------|--------|------|------------|
| Copper | ND | 0.100 | 0.0419 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 06/03/15
Work Order: 15-06-0300
Preparation: EPA 7471A Total
Method: EPA 7471A
Units: mg/kg

Project: San Diego Shipyards- North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-10-D-0035-150603 | 15-06-0300-2-AA | 06/03/15 09:42 | Sediment | Mercury 05 | 06/04/15 | 06/04/15 15:25 | 150604L01E |

Comment(s): - Results are reported on a dry weight basis.
- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|--------|---------|------|------------|
| Mercury | ND | 0.0247 | 0.00725 | 1.00 | |

| | | | | | | | |
|--------------|----------------|-----|-------|------------|----------|-------------------|------------|
| Method Blank | 099-16-278-142 | N/A | Solid | Mercury 05 | 06/04/15 | 06/04/15 14:47 | 150604L01E |
|--------------|----------------|-----|-------|------------|----------|-------------------|------------|

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|--------|---------|------|------------|
| Mercury | ND | 0.0200 | 0.00587 | 1.00 | |



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 06/03/15
Work Order: 15-06-0300
Preparation: EPA 3541
Method: EPA 8270C SIM PAHs
Units: ug/kg

Project: San Diego Shipyards- North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-10-D-0035-150603 | 15-06-0300-2-AA | 06/03/15 09:42 | Sediment | GC/MS AAA | 06/03/15 | 06/04/15 18:25 | 150603L15 |

Comment(s): - Results are reported on a dry weight basis.

- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-------------------------|--------|----|-----|------|------------|
| Benzo (a) Anthracene | ND | 13 | 2.7 | 1.00 | |
| Benzo (a) Pyrene | ND | 13 | 2.3 | 1.00 | |
| Chrysene | ND | 13 | 2.8 | 1.00 | |
| Dibenz (a,h) Anthracene | ND | 13 | 2.4 | 1.00 | |
| Fluoranthene | ND | 13 | 2.3 | 1.00 | |
| Perylene | ND | 13 | 3.0 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|------------------|----------|----------------|------------|
| 2-Fluorobiphenyl | 69 | 14-146 | |
| Nitrobenzene-d5 | 80 | 18-162 | |
| p-Terphenyl-d14 | 63 | 34-148 | |

| Method Blank | 099-14-097-163 | N/A | Solid | GC/MS AAA | 06/03/15 | 06/04/15 18:05 | 150603L15 |
|--------------|----------------|-----|-------|-----------|----------|-------------------|-----------|
|--------------|----------------|-----|-------|-----------|----------|-------------------|-----------|

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-------------------------|--------|----|-----|------|------------|
| Benzo (a) Anthracene | ND | 10 | 2.2 | 1.00 | |
| Benzo (a) Pyrene | ND | 10 | 1.8 | 1.00 | |
| Chrysene | ND | 10 | 2.2 | 1.00 | |
| Dibenz (a,h) Anthracene | ND | 10 | 2.0 | 1.00 | |
| Fluoranthene | ND | 10 | 1.8 | 1.00 | |
| Perylene | ND | 10 | 2.4 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|------------------|----------|----------------|------------|
| 2-Fluorobiphenyl | 83 | 14-146 | |
| Nitrobenzene-d5 | 95 | 18-162 | |
| p-Terphenyl-d14 | 75 | 34-148 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 06/03/15
Work Order: 15-06-0300
Preparation: EPA 3541
Method: EPA 8270C SIM PCB Congeners
Units: ug/kg

Project: San Diego Shipyards- North

Page 1 of 4

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-10-D-0035-150603 | 15-06-0300-2-AA | 06/03/15 09:42 | Sediment | GC/MS HHH | 06/03/15 | 06/05/15 11:37 | 150603L14 |

Comment(s): - Results are reported on a dry weight basis.

- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|------------|--------|------|-------|------|------------|
| PCB018 | ND | 0.25 | 0.089 | 1.00 | |
| PCB028 | ND | 0.25 | 0.042 | 1.00 | |
| PCB037 | ND | 0.25 | 0.075 | 1.00 | |
| PCB044 | ND | 0.25 | 0.11 | 1.00 | |
| PCB049 | ND | 0.25 | 0.14 | 1.00 | |
| PCB052 | ND | 0.25 | 0.078 | 1.00 | |
| PCB066 | ND | 0.25 | 0.13 | 1.00 | |
| PCB070 | ND | 0.25 | 0.074 | 1.00 | |
| PCB074 | ND | 0.25 | 0.11 | 1.00 | |
| PCB077 | ND | 0.25 | 0.097 | 1.00 | |
| PCB081 | ND | 0.25 | 0.15 | 1.00 | |
| PCB087 | ND | 0.25 | 0.13 | 1.00 | |
| PCB099 | ND | 0.25 | 0.076 | 1.00 | |
| PCB101 | ND | 0.25 | 0.12 | 1.00 | |
| PCB105 | ND | 0.25 | 0.068 | 1.00 | |
| PCB110 | ND | 0.25 | 0.057 | 1.00 | |
| PCB114 | ND | 0.25 | 0.10 | 1.00 | |
| PCB118 | ND | 0.25 | 0.10 | 1.00 | |
| PCB119 | ND | 0.25 | 0.12 | 1.00 | |
| PCB123 | ND | 0.25 | 0.13 | 1.00 | |
| PCB126 | ND | 0.25 | 0.10 | 1.00 | |
| PCB128 | ND | 0.25 | 0.13 | 1.00 | |
| PCB132/153 | ND | 0.50 | 0.22 | 1.00 | |
| PCB138/158 | ND | 0.50 | 0.12 | 1.00 | |
| PCB149 | ND | 0.25 | 0.12 | 1.00 | |
| PCB151 | ND | 0.25 | 0.084 | 1.00 | |
| PCB156 | ND | 0.25 | 0.072 | 1.00 | |
| PCB157 | ND | 0.25 | 0.065 | 1.00 | |
| PCB167 | ND | 0.25 | 0.077 | 1.00 | |
| PCB168 | ND | 0.25 | 0.061 | 1.00 | |
| PCB169 | ND | 0.25 | 0.076 | 1.00 | |
| PCB170 | ND | 0.25 | 0.079 | 1.00 | |
| PCB177 | ND | 0.25 | 0.11 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 06/03/15
 Work Order: 15-06-0300
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyards- North

Page 2 of 4

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|-----------------|-----------------------|-------------------|-----------|-------------------|
| PCB180 | ND | 0.25 | 0.052 | 1.00 | |
| PCB183 | ND | 0.25 | 0.14 | 1.00 | |
| PCB187 | ND | 0.25 | 0.11 | 1.00 | |
| PCB189 | ND | 0.25 | 0.076 | 1.00 | |
| PCB194 | ND | 0.25 | 0.14 | 1.00 | |
| PCB201 | ND | 0.25 | 0.12 | 1.00 | |
| PCB206 | ND | 0.25 | 0.24 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | | |
| 2-Fluorobiphenyl | 79 | 50-150 | | | |
| p-Terphenyl-d14 | 86 | 50-150 | | | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 06/03/15
Work Order: 15-06-0300
Preparation: EPA 3541
Method: EPA 8270C SIM PCB Congeners
Units: ug/kg

Project: San Diego Shipyards- North

Page 3 of 4

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-16-418-79 | N/A | Solid | GC/MS HHH | 06/03/15 | 06/04/15 15:54 | 150603L14 |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|------------|--------|------|-------|------|------------|
| PCB018 | ND | 0.20 | 0.071 | 1.00 | |
| PCB028 | ND | 0.20 | 0.034 | 1.00 | |
| PCB037 | ND | 0.20 | 0.060 | 1.00 | |
| PCB044 | ND | 0.20 | 0.087 | 1.00 | |
| PCB049 | ND | 0.20 | 0.11 | 1.00 | |
| PCB052 | ND | 0.20 | 0.063 | 1.00 | |
| PCB066 | ND | 0.20 | 0.10 | 1.00 | |
| PCB070 | ND | 0.20 | 0.060 | 1.00 | |
| PCB074 | ND | 0.20 | 0.087 | 1.00 | |
| PCB077 | ND | 0.20 | 0.078 | 1.00 | |
| PCB081 | ND | 0.20 | 0.12 | 1.00 | |
| PCB087 | ND | 0.20 | 0.11 | 1.00 | |
| PCB099 | ND | 0.20 | 0.061 | 1.00 | |
| PCB101 | ND | 0.20 | 0.098 | 1.00 | |
| PCB105 | ND | 0.20 | 0.055 | 1.00 | |
| PCB110 | ND | 0.20 | 0.046 | 1.00 | |
| PCB114 | ND | 0.20 | 0.082 | 1.00 | |
| PCB118 | ND | 0.20 | 0.084 | 1.00 | |
| PCB119 | ND | 0.20 | 0.094 | 1.00 | |
| PCB123 | ND | 0.20 | 0.10 | 1.00 | |
| PCB126 | ND | 0.20 | 0.080 | 1.00 | |
| PCB128 | ND | 0.20 | 0.10 | 1.00 | |
| PCB132/153 | ND | 0.40 | 0.17 | 1.00 | |
| PCB138/158 | ND | 0.40 | 0.094 | 1.00 | |
| PCB149 | ND | 0.20 | 0.098 | 1.00 | |
| PCB151 | ND | 0.20 | 0.067 | 1.00 | |
| PCB156 | ND | 0.20 | 0.058 | 1.00 | |
| PCB157 | ND | 0.20 | 0.052 | 1.00 | |
| PCB167 | ND | 0.20 | 0.062 | 1.00 | |
| PCB168 | ND | 0.20 | 0.049 | 1.00 | |
| PCB169 | ND | 0.20 | 0.061 | 1.00 | |
| PCB170 | ND | 0.20 | 0.063 | 1.00 | |
| PCB177 | ND | 0.20 | 0.087 | 1.00 | |
| PCB180 | ND | 0.20 | 0.042 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 06/03/15
 Work Order: 15-06-0300
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyards- North

Page 4 of 4

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|-----------------|-----------------------|-------------------|-----------|-------------------|
| PCB183 | ND | 0.20 | 0.11 | 1.00 | |
| PCB187 | ND | 0.20 | 0.084 | 1.00 | |
| PCB189 | ND | 0.20 | 0.061 | 1.00 | |
| PCB194 | ND | 0.20 | 0.11 | 1.00 | |
| PCB201 | ND | 0.20 | 0.097 | 1.00 | |
| PCB206 | ND | 0.20 | 0.19 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | | |
| 2-Fluorobiphenyl | 51 | 50-150 | | | |
| p-Terphenyl-d14 | 59 | 50-150 | | | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 06/03/15
Work Order: 15-06-0300
Preparation: EPA 3550B (M)
Method: Organotins by Krone et al.
Units: ug/kg

Project: San Diego Shipyards- North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-10-D-0035-150603 | 15-06-0300-2-AA | 06/03/15 09:42 | Sediment | GC/MS Y | 06/03/15 | 06/04/15 17:03 | 150603L16 |

Comment(s): - Results are reported on a dry weight basis.
- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-------------|--------|-----|-----|------|------------|
| Tributyltin | ND | 3.8 | 1.9 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|--------------|----------|----------------|------------|
| Tripentyltin | 75 | 27-135 | |

| Method Blank | 099-07-016-1277 | N/A | Solid | GC/MS Y | 06/03/15 | 06/04/15 16:48 | 150603L16 |
|--------------|-----------------|-----|-------|---------|----------|-------------------|-----------|
|--------------|-----------------|-----|-------|---------|----------|-------------------|-----------|

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-------------|--------|-----|-----|------|------------|
| Tributyltin | ND | 3.0 | 1.5 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|--------------|----------|----------------|------------|
| Tripentyltin | 87 | 27-135 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 06/03/15
Work Order: 15-06-0300
Preparation: EPA 3050B
Method: EPA 6020

Project: San Diego Shipyards- North

Page 1 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-10-D-0035-150603 | Sample | Sediment | ICP/MS 04 | 06/04/15 | 06/04/15 16:07 | 150604S01 |
| SD-N-C-10-D-0035-150603 | Matrix Spike | Sediment | ICP/MS 04 | 06/04/15 | 06/04/15 15:52 | 150604S01 |
| SD-N-C-10-D-0035-150603 | Matrix Spike Duplicate | Sediment | ICP/MS 04 | 06/04/15 | 06/04/15 15:56 | 150604S01 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Copper | 2.151 | 25.00 | 29.48 | 109 | 29.77 | 110 | 80-120 | 1 | 0-20 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 06/03/15
 Work Order: 15-06-0300
 Preparation: EPA 7471A Total
 Method: EPA 7471A

Project: San Diego Shipyards- North

Page 2 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|--------|------------|---------------|----------------|---------------------|
| 15-06-0156-12 | Sample | Solid | Mercury 05 | 06/04/15 | 06/04/15 14:51 | 150604S01 |
| 15-06-0156-12 | Matrix Spike | Solid | Mercury 05 | 06/04/15 | 06/04/15 14:54 | 150604S01 |
| 15-06-0156-12 | Matrix Spike Duplicate | Solid | Mercury 05 | 06/04/15 | 06/04/15 14:56 | 150604S01 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Mercury | ND | 0.8350 | 0.8277 | 99 | 0.8501 | 102 | 71-137 | 3 | 0-14 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 06/03/15
Work Order: 15-06-0300
Preparation: EPA 3541
Method: EPA 8270C SIM PAHs

Project: San Diego Shipyards- North

Page 3 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-10-D-0035-150603 | Sample | Sediment | GC/MS AAA | 06/03/15 | 06/04/15 18:25 | 150603S15 |
| SD-N-C-10-D-0035-150603 | Matrix Spike | Sediment | GC/MS AAA | 06/03/15 | 06/04/15 17:25 | 150603S15 |
| SD-N-C-10-D-0035-150603 | Matrix Spike Duplicate | Sediment | GC/MS AAA | 06/03/15 | 06/04/15 17:45 | 150603S15 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-------------------------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Benzo (a) Anthracene | ND | 100.0 | 80.47 | 80 | 77.74 | 78 | 40-160 | 3 | 0-20 | |
| Benzo (a) Pyrene | ND | 100.0 | 87.75 | 88 | 84.62 | 85 | 40-160 | 4 | 0-20 | |
| Chrysene | ND | 100.0 | 80.97 | 81 | 78.03 | 78 | 40-160 | 4 | 0-20 | |
| Dibenz (a,h) Anthracene | ND | 100.0 | 98.32 | 98 | 94.99 | 95 | 40-160 | 3 | 0-20 | |
| Fluoranthene | ND | 100.0 | 84.53 | 85 | 81.79 | 82 | 40-160 | 3 | 0-20 | |


 Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 06/03/15
Work Order: 15-06-0300
Preparation: EPA 3541
Method: EPA 8270C SIM PCB Congeners

Project: San Diego Shipyards- North

Page 4 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-10-D-0035-150603 | Sample | Sediment | GC/MS HHH | 06/03/15 | 06/05/15 11:37 | 150603S14 |
| SD-N-C-10-D-0035-150603 | Matrix Spike | Sediment | GC/MS HHH | 06/03/15 | 06/04/15 18:01 | 150603S14 |
| SD-N-C-10-D-0035-150603 | Matrix Spike Duplicate | Sediment | GC/MS HHH | 06/03/15 | 06/04/15 18:26 | 150603S14 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| PCB018 | ND | 50.00 | 25.33 | 51 | 25.73 | 51 | 50-150 | 2 | 0-25 | |
| PCB028 | ND | 50.00 | 28.11 | 56 | 28.55 | 57 | 50-150 | 2 | 0-25 | |
| PCB044 | ND | 50.00 | 26.94 | 54 | 27.34 | 55 | 50-150 | 1 | 0-25 | |
| PCB052 | ND | 50.00 | 27.46 | 55 | 28.48 | 57 | 50-150 | 4 | 0-25 | |
| PCB066 | ND | 50.00 | 29.89 | 60 | 30.44 | 61 | 50-150 | 2 | 0-25 | |
| PCB077 | ND | 50.00 | 28.75 | 57 | 29.80 | 60 | 50-150 | 4 | 0-25 | |
| PCB101 | ND | 50.00 | 27.24 | 54 | 27.98 | 56 | 50-150 | 3 | 0-25 | |
| PCB105 | ND | 50.00 | 28.26 | 57 | 29.44 | 59 | 50-150 | 4 | 0-25 | |
| PCB118 | ND | 50.00 | 29.62 | 59 | 30.85 | 62 | 50-150 | 4 | 0-25 | |
| PCB126 | ND | 50.00 | 28.42 | 57 | 29.67 | 59 | 50-150 | 4 | 0-25 | |
| PCB128 | ND | 50.00 | 29.45 | 59 | 31.17 | 62 | 50-150 | 6 | 0-25 | |
| PCB170 | ND | 50.00 | 26.72 | 53 | 26.82 | 54 | 50-150 | 0 | 0-25 | |
| PCB180 | ND | 50.00 | 30.05 | 60 | 31.53 | 63 | 50-150 | 5 | 0-25 | |
| PCB187 | ND | 50.00 | 27.46 | 55 | 28.91 | 58 | 50-150 | 5 | 0-25 | |
| PCB206 | ND | 50.00 | 25.77 | 52 | 26.07 | 52 | 50-150 | 1 | 0-25 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 06/03/15
Work Order: 15-06-0300
Preparation: EPA 3550B (M)
Method: Organotins by Krone et al.

Project: San Diego Shipyards- North

Page 5 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-10-D-0035-150603 | Sample | Sediment | GC/MS Y | 06/03/15 | 06/04/15 17:03 | 150603S16 |
| SD-N-C-10-D-0035-150603 | Matrix Spike | Sediment | GC/MS Y | 06/03/15 | 06/04/15 17:19 | 150603S16 |
| SD-N-C-10-D-0035-150603 | Matrix Spike Duplicate | Sediment | GC/MS Y | 06/03/15 | 06/04/15 17:35 | 150603S16 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-------------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Tributyltin | ND | 100.0 | 75.75 | 76 | 70.12 | 70 | 34-142 | 8 | 0-50 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - PDS

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 06/03/15
 Work Order: 15-06-0300
 Preparation: EPA 3050B
 Method: EPA 6020

Project: San Diego Shipyards- North

Page 1 of 1

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | PDS/PDSD Batch Number |
|---------------------------|--------|----------|------------|----------------|----------------|-----------------------|
| SD-N-C-10-D-0035-150603 | Sample | Sediment | ICP/MS 04 | 06/04/15 00:00 | 06/04/15 16:07 | 150604S01 |
| SD-N-C-10-D-0035-150603 | PDS | Sediment | ICP/MS 04 | 06/04/15 00:00 | 06/04/15 16:00 | 150604S01 |

| Parameter | Sample Conc. | Spike Added | PDS Conc. | PDS %Rec. | %Rec. CL | Qualifiers |
|-----------|--------------|-------------|-----------|-----------|----------|------------|
| Copper | 2.151 | 25.00 | 28.33 | 105 | 75-125 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Sample Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 06/03/15
 Work Order: 15-06-0300
 Preparation: N/A
 Method: SM 2540 B (M)

Project: San Diego Shipyards- North

Page 1 of 1

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | Duplicate Batch Number |
|---------------------------|------------------|----------|------------|----------------|----------------|------------------------|
| SD-N-C-10-D-0035-150603 | Sample | Sediment | N/A | 06/03/15 00:00 | 06/04/15 14:00 | F0604TSD3 |
| SD-N-C-10-D-0035-150603 | Sample Duplicate | Sediment | N/A | 06/03/15 00:00 | 06/04/15 14:00 | F0604TSD3 |

| Parameter | Sample Conc. | DUP Conc. | RPD | RPD CL | Qualifiers |
|---------------|--------------|-----------|-----|--------|------------|
| Solids, Total | 79.70 | 78.70 | 1 | 0-10 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 06/03/15
 Work Order: 15-06-0300
 Preparation: EPA 3050B
 Method: EPA 6020

Project: San Diego Shipyards- North

Page 1 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|------|--------|------------|---------------|----------------|-----------------------|
| 099-15-254-324 | LCS | Solid | ICP/MS 04 | 06/04/15 | 06/04/15 15:44 | 150604L01E |
| 099-15-254-324 | LCSD | Solid | ICP/MS 04 | 06/04/15 | 06/04/15 15:48 | 150604L01E |

| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|-------------|-----------|-----------|------------|------------|----------|-----|--------|------------|
| Copper | 25.00 | 26.35 | 105 | 26.49 | 106 | 80-120 | 1 | 0-20 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 06/03/15
 Work Order: 15-06-0300
 Preparation: EPA 7471A Total
 Method: EPA 7471A

Project: San Diego Shipyards- North

Page 2 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|------|--------|------------|---------------|----------------|-----------------------|
| 099-16-278-142 | LCS | Solid | Mercury 05 | 06/04/15 | 06/04/15 14:49 | 150604L01E |
| 099-16-278-142 | LCSD | Solid | Mercury 05 | 06/04/15 | 06/04/15 17:04 | 150604L01E |

| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|-------------|-----------|-----------|------------|------------|----------|-----|--------|------------|
| Mercury | 0.8350 | 1.027 | 123 | 0.9512 | 114 | 82-124 | 8 | 0-16 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 06/03/15
Work Order: 15-06-0300
Preparation: EPA 3541
Method: EPA 8270C SIM PAHs

Project: San Diego Shipyards- North

Page 3 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number | | | |
|---------------------------|-------------|-----------|------------|---------------|----------------|-----------------------|-----|--------|------------|
| 099-14-097-163 | LCS | Solid | GC/MS AAA | 06/03/15 | 06/04/15 16:44 | 150603L15 | | | |
| 099-14-097-163 | LCSD | Solid | GC/MS AAA | 06/03/15 | 06/04/15 17:04 | 150603L15 | | | |
| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
| Benzo (a) Anthracene | 100.0 | 78.00 | 78 | 77.74 | 78 | 40-160 | 0 | 0-20 | |
| Benzo (a) Pyrene | 100.0 | 84.35 | 84 | 82.93 | 83 | 40-160 | 2 | 0-20 | |
| Chrysene | 100.0 | 78.29 | 78 | 77.00 | 77 | 40-160 | 2 | 0-20 | |
| Dibenz (a,h) Anthracene | 100.0 | 89.34 | 89 | 89.13 | 89 | 40-160 | 0 | 0-20 | |
| Fluoranthene | 100.0 | 80.92 | 81 | 79.50 | 80 | 40-160 | 2 | 0-20 | |



Calscience

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 06/03/15
Work Order: 15-06-0300
Preparation: EPA 3541
Method: EPA 8270C SIM PCB Congeners

Project: San Diego Shipyards- North

Page 4 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number | | | | |
|---------------------------|-------------|-----------|------------|---------------|----------------|-----------------------|--------|-----|--------|------------|
| 099-16-418-79 | LCS | Solid | GC/MS HHH | 06/03/15 | 06/04/15 15:03 | 150603L14 | | | | |
| 099-16-418-79 | LCSD | Solid | GC/MS HHH | 06/03/15 | 06/04/15 15:28 | 150603L14 | | | | |
| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | ME CL | RPD | RPD CL | Qualifiers |
| PCB018 | 50.00 | 27.59 | 55 | 27.05 | 54 | 50-150 | 33-167 | 2 | 0-25 | |
| PCB028 | 50.00 | 30.34 | 61 | 29.73 | 59 | 50-150 | 33-167 | 2 | 0-25 | |
| PCB044 | 50.00 | 29.07 | 58 | 28.79 | 58 | 50-150 | 33-167 | 1 | 0-25 | |
| PCB052 | 50.00 | 29.89 | 60 | 29.43 | 59 | 50-150 | 33-167 | 2 | 0-25 | |
| PCB066 | 50.00 | 32.24 | 64 | 31.81 | 64 | 50-150 | 33-167 | 1 | 0-25 | |
| PCB077 | 50.00 | 32.22 | 64 | 31.73 | 63 | 50-150 | 33-167 | 2 | 0-25 | |
| PCB101 | 50.00 | 30.13 | 60 | 29.57 | 59 | 50-150 | 33-167 | 2 | 0-25 | |
| PCB105 | 50.00 | 31.73 | 63 | 31.62 | 63 | 50-150 | 33-167 | 0 | 0-25 | |
| PCB118 | 50.00 | 33.56 | 67 | 32.93 | 66 | 50-150 | 33-167 | 2 | 0-25 | |
| PCB126 | 50.00 | 31.37 | 63 | 31.08 | 62 | 50-150 | 33-167 | 1 | 0-25 | |
| PCB128 | 50.00 | 30.39 | 61 | 29.94 | 60 | 50-150 | 33-167 | 1 | 0-25 | |
| PCB170 | 50.00 | 28.32 | 57 | 27.76 | 56 | 50-150 | 33-167 | 2 | 0-25 | |
| PCB180 | 50.00 | 31.28 | 63 | 31.09 | 62 | 50-150 | 33-167 | 1 | 0-25 | |
| PCB187 | 50.00 | 30.64 | 61 | 30.32 | 61 | 50-150 | 33-167 | 1 | 0-25 | |
| PCB206 | 50.00 | 27.75 | 56 | 27.06 | 54 | 50-150 | 33-167 | 3 | 0-25 | |

Total number of LCS compounds: 15

Total number of ME compounds: 0

Total number of ME compounds allowed: 1

LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 06/03/15
 Work Order: 15-06-0300
 Preparation: EPA 3550B (M)
 Method: Organotins by Krone et al.

Project: San Diego Shipyards- North

Page 5 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|------|--------|------------|---------------|----------------|-----------------------|
| 099-07-016-1277 | LCS | Solid | GC/MS Y | 06/03/15 | 06/04/15 16:17 | 150603L16 |
| 099-07-016-1277 | LCSD | Solid | GC/MS Y | 06/03/15 | 06/04/15 16:32 | 150603L16 |

| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-------------|-------------|-----------|-----------|------------|------------|----------|-----|--------|------------|
| Tributyltin | 100.0 | 92.92 | 93 | 77.31 | 77 | 33-147 | 18 | 0-20 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Glossary of Terms and Qualifiers

Work Order: 15-06-0300

Page 1 of 1

| <u>Qualifiers</u> | <u>Definition</u> |
|-------------------|---|
| * | See applicable analysis comment. |
| < | Less than the indicated value. |
| > | Greater than the indicated value. |
| 1 | Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification. |
| 2 | Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification. |
| 3 | Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control. |
| 4 | The MS/MSD RPD was out of control due to suspected matrix interference. |
| 5 | The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference. |
| 6 | Surrogate recovery below the acceptance limit. |
| 7 | Surrogate recovery above the acceptance limit. |
| B | Analyte was present in the associated method blank. |
| BU | Sample analyzed after holding time expired. |
| BV | Sample received after holding time expired. |
| CI | See case narrative. |
| E | Concentration exceeds the calibration range. |
| ET | Sample was extracted past end of recommended max. holding time. |
| HD | The chromatographic pattern was inconsistent with the profile of the reference fuel standard. |
| HDH | The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected). |
| HDL | The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected). |
| J | Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated. |
| JA | Analyte positively identified but quantitation is an estimate. |
| ME | LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean). |
| ND | Parameter not detected at the indicated reporting limit. |
| Q | Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater. |
| SG | The sample extract was subjected to Silica Gel treatment prior to analysis. |
| X | % Recovery and/or RPD out-of-range. |
| Z | Analyte presence was not confirmed by second column or GC/MS analysis. |
| | Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis. |
| | Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time. |
| | A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations. |

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: ANCHOR QEA

DATE: 06/03/2015

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC2 (CF:-0.3°C); Temperature (w/o CF): 2.4 °C (w/ CF): 2.1 °C; [X] Blank [] Sample

- [] Sample(s) outside temperature criteria (PM/APM contacted by: _____)
[] Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling
[] Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: [] Air [] Filter

Checked by: 671

CUSTODY SEAL:

- Cooler [] Present and Intact [] Present but Not Intact [X] Not Present [] N/A
Sample(s) [] Present and Intact [] Present but Not Intact [X] Not Present [] N/A

Checked by: 671

Checked by: 681

SAMPLE CONDITION:

Table with 3 columns: Yes, No, N/A. Rows include Chain-of-Custody (COC) document(s) received with samples, COC document(s) received complete, Sampler's name indicated on COC, Sample container label(s) consistent with COC, etc.

CONTAINER TYPE: (Trip Blank Lot Number: _____)

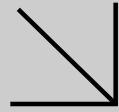
- Aqueous: [] VOA [] VOA h [] VOAn2 [] 100PJ [] 100PJna2 [] 125AGB [] 125AGBh [] 125AGBp [] 125PB
Solid: [] 4ozCGJ [X] 8ozCGJ [X] 16ozCGJ [] Sleeve () [] EnCores () [] TerraCores ()
Air: [] Tedlar [] Canister [] Sorbent Tube [] PUF [] Other Matrix (): [] []

Container: A = Amber, B = Bottle, C = Clear, E = Envelope, G = Glass, J = Jar, P = Plastic, and Z = Ziploc/Resealable Bag
Preservative: b = buffered, f = filtered, h = HCl, n = HNO3, na = NaOH, na2 = Na2S2O3, p = H3PO4, Labeled/Checked by: 802
Reviewed by: 681



Environmental
Calscience

Supplemental Report 3



WORK ORDER NUMBER: 15-06-1664

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: ANCHOR QEA, LLC

Client Project Name: San Diego Shipyards- North

Attention: Adam Gale
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Nicole Scott for

Approved for release on 07/16/2015 by:
Danielle Gonsman
Project Manager

ResultLink ▶

Email your PM ▶



Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

Contents

Client Project Name: San Diego Shipyards- North
 Work Order Number: 15-06-1664

| | | |
|---|--|----|
| 1 | Work Order Narrative. | 3 |
| 2 | Sample Summary. | 4 |
| 3 | Client Sample Data. | 5 |
| | 3.1 SM 2540 B (M) Total Solids (Solid). | 5 |
| | 3.2 EPA 6020 ICP/MS Metals (Solid). | 6 |
| | 3.3 EPA 7471A Mercury (Solid). | 7 |
| | 3.4 EPA 8270C SIM PAHs (Solid). | 8 |
| | 3.5 EPA 8270C SIM PCB Congeners (Solid). | 9 |
| | 3.6 Krone et al. Organotins (Solid). | 13 |
| 4 | Quality Control Sample Data. | 14 |
| | 4.1 MS/MSD. | 14 |
| | 4.2 PDS/PDSD. | 18 |
| | 4.3 Sample Duplicate. | 19 |
| | 4.4 LCS/LCSD. | 20 |
| 5 | Glossary of Terms and Qualifiers. | 25 |
| 6 | Chain-of-Custody/Sample Receipt Form. | 26 |

Work Order Narrative

Work Order: 15-06-1664

Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 06/19/15. They were assigned to Work Order 15-06-1664.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of ≤ 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.



Calscience

Sample Summary

| | |
|------------------------------|--|
| Client: ANCHOR QEA, LLC | Work Order: 15-06-1664 |
| 27201 Puerta Real, Suite 350 | Project Name: San Diego Shipyards- North |
| Mission Viejo, CA 92691-8306 | PO Number: |
| | Date/Time Received: 06/19/15 18:45 |
| | Number of Containers: 6 |

Attn: Adam Gale

| Sample Identification | Lab Number | Collection Date and Time | Number of Containers | Matrix |
|-------------------------|--------------|--------------------------|----------------------|----------|
| SD-N-C-12-D-0535-150619 | 15-06-1664-4 | 06/19/15 10:37 | 1 | Sediment |



Return to Contents



Calscience

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 06/19/15
 Work Order: 15-06-1664
 Preparation: N/A
 Method: SM 2540 B (M)
 Units: %

Project: San Diego Shipyards- North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-12-D-0535-150619 | 15-06-1664-4-AA | 06/19/15 10:37 | Sediment | N/A | 06/19/15 | 06/20/15 14:00 | F0620TSB1 |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|---------------|--------|-------|-------|------|------------|
| Solids, Total | 75.0 | 0.100 | 0.100 | 1.00 | |

| Method Blank | 099-05-019-2938 | N/A | Solid | N/A | 06/19/15 | 06/20/15 14:00 | F0620TSB1 |
|--------------|-----------------|-----|-------|-----|----------|-------------------|-----------|
|--------------|-----------------|-----|-------|-----|----------|-------------------|-----------|

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|---------------|--------|-------|-------|------|------------|
| Solids, Total | ND | 0.100 | 0.100 | 1.00 | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 06/19/15
Work Order: 15-06-1664
Preparation: EPA 3050B
Method: EPA 6020
Units: mg/kg

Project: San Diego Shipyards- North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-12-D-0535-150619 | 15-06-1664-4-AA | 06/19/15 10:37 | Sediment | ICP/MS 03 | 06/19/15 | 06/22/15 13:04 | 150619L03E |

Comment(s): - Results are reported on a dry weight basis.
- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|-------|--------|------|------------|
| Copper | 23.7 | 0.133 | 0.0559 | 1.00 | |

| Method Blank | 099-15-254-325 | N/A | Solid | ICP/MS 03 | 06/19/15 | 06/22/15 12:39 | 150619L03E |
|--------------|----------------|-----|-------|-----------|----------|-------------------|------------|
|--------------|----------------|-----|-------|-----------|----------|-------------------|------------|

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|-------|--------|------|------------|
| Copper | ND | 0.100 | 0.0419 | 1.00 | |

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 06/19/15
Work Order: 15-06-1664
Preparation: EPA 7471A Total
Method: EPA 7471A
Units: mg/kg

Project: San Diego Shipyards- North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-12-D-0535-150619 | 15-06-1664-4-AA | 06/19/15 10:37 | Sediment | Mercury 05 | 06/22/15 | 06/22/15 18:43 | 150622L01E |

Comment(s): - Results are reported on a dry weight basis.
- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|--------|---------|------|------------|
| Mercury | 0.199 | 0.0258 | 0.00758 | 1.00 | |

| Method Blank | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-16-278-143 | N/A | Solid | Mercury 05 | 06/22/15 | 06/22/15 21:18 | 150622L01E |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|--------|---------|------|------------|
| Mercury | ND | 0.0200 | 0.00587 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 06/19/15
Work Order: 15-06-1664
Preparation: EPA 3541
Method: EPA 8270C SIM PAHs
Units: mg/kg

Project: San Diego Shipyards- North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-12-D-0535-150619 | 15-06-1664-4-AA | 06/19/15 10:37 | Sediment | GC/MS EEE | 06/19/15 | 06/22/15 15:19 | 150619L17 |

Comment(s): - Results are reported on a dry weight basis.

- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-------------------------|--------|-------|--------|------|------------|
| Benzo (a) Anthracene | ND | 0.013 | 0.0029 | 1.00 | |
| Benzo (a) Pyrene | ND | 0.013 | 0.0025 | 1.00 | |
| Chrysene | ND | 0.013 | 0.0030 | 1.00 | |
| Dibenz (a,h) Anthracene | ND | 0.013 | 0.0026 | 1.00 | |
| Fluoranthene | ND | 0.013 | 0.0024 | 1.00 | |
| Perylene | ND | 0.013 | 0.0032 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|------------------|----------|----------------|------------|
| 2-Fluorobiphenyl | 65 | 14-146 | |
| Nitrobenzene-d5 | 78 | 18-162 | |
| p-Terphenyl-d14 | 66 | 34-148 | |

| Method Blank | 099-14-097-164 | N/A | Solid | GC/MS EEE | 06/19/15 | 06/22/15 14:59 | 150619L17 |
|--------------|----------------|-----|-------|-----------|----------|-------------------|-----------|
|--------------|----------------|-----|-------|-----------|----------|-------------------|-----------|

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-------------------------|--------|-------|--------|------|------------|
| Benzo (a) Anthracene | ND | 0.010 | 0.0022 | 1.00 | |
| Benzo (a) Pyrene | ND | 0.010 | 0.0018 | 1.00 | |
| Chrysene | ND | 0.010 | 0.0022 | 1.00 | |
| Dibenz (a,h) Anthracene | ND | 0.010 | 0.0020 | 1.00 | |
| Fluoranthene | ND | 0.010 | 0.0018 | 1.00 | |
| Perylene | ND | 0.010 | 0.0024 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|------------------|----------|----------------|------------|
| 2-Fluorobiphenyl | 71 | 14-146 | |
| Nitrobenzene-d5 | 79 | 18-162 | |
| p-Terphenyl-d14 | 72 | 34-148 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 06/19/15
Work Order: 15-06-1664
Preparation: EPA 3541
Method: EPA 8270C SIM PCB Congeners
Units: ug/kg

Project: San Diego Shipyards- North

Page 1 of 4

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-12-D-0535-150619 | 15-06-1664-4-AA | 06/19/15 10:37 | Sediment | GC/MS HHH | 06/19/15 | 06/22/15 15:02 | 150619L12 |

Comment(s): - Results are reported on a dry weight basis.

- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|------------|--------|------|-------|------|------------|
| PCB018 | ND | 0.27 | 0.095 | 1.00 | |
| PCB028 | ND | 0.27 | 0.045 | 1.00 | |
| PCB037 | ND | 0.27 | 0.081 | 1.00 | |
| PCB044 | ND | 0.27 | 0.12 | 1.00 | |
| PCB049 | ND | 0.27 | 0.15 | 1.00 | |
| PCB052 | ND | 0.27 | 0.084 | 1.00 | |
| PCB066 | ND | 0.27 | 0.14 | 1.00 | |
| PCB070 | ND | 0.27 | 0.079 | 1.00 | |
| PCB074 | ND | 0.27 | 0.12 | 1.00 | |
| PCB077 | ND | 0.27 | 0.10 | 1.00 | |
| PCB081 | ND | 0.27 | 0.16 | 1.00 | |
| PCB087 | ND | 0.27 | 0.14 | 1.00 | |
| PCB099 | ND | 0.27 | 0.081 | 1.00 | |
| PCB101 | ND | 0.27 | 0.13 | 1.00 | |
| PCB105 | ND | 0.27 | 0.073 | 1.00 | |
| PCB110 | ND | 0.27 | 0.061 | 1.00 | |
| PCB114 | ND | 0.27 | 0.11 | 1.00 | |
| PCB118 | ND | 0.27 | 0.11 | 1.00 | |
| PCB119 | ND | 0.27 | 0.13 | 1.00 | |
| PCB123 | ND | 0.27 | 0.14 | 1.00 | |
| PCB126 | ND | 0.27 | 0.11 | 1.00 | |
| PCB128 | ND | 0.27 | 0.14 | 1.00 | |
| PCB132/153 | ND | 0.53 | 0.23 | 1.00 | |
| PCB138/158 | ND | 0.53 | 0.13 | 1.00 | |
| PCB149 | ND | 0.27 | 0.13 | 1.00 | |
| PCB151 | ND | 0.27 | 0.090 | 1.00 | |
| PCB156 | ND | 0.27 | 0.077 | 1.00 | |
| PCB157 | ND | 0.27 | 0.070 | 1.00 | |
| PCB167 | ND | 0.27 | 0.082 | 1.00 | |
| PCB168 | ND | 0.27 | 0.065 | 1.00 | |
| PCB169 | ND | 0.27 | 0.081 | 1.00 | |
| PCB170 | ND | 0.27 | 0.085 | 1.00 | |
| PCB177 | ND | 0.27 | 0.12 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 06/19/15
 Work Order: 15-06-1664
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyards- North

Page 2 of 4

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|-----------------|-----------------------|-------------------|-----------|-------------------|
| PCB180 | ND | 0.27 | 0.056 | 1.00 | |
| PCB183 | ND | 0.27 | 0.15 | 1.00 | |
| PCB187 | ND | 0.27 | 0.11 | 1.00 | |
| PCB189 | ND | 0.27 | 0.081 | 1.00 | |
| PCB194 | ND | 0.27 | 0.15 | 1.00 | |
| PCB201 | ND | 0.27 | 0.13 | 1.00 | |
| PCB206 | ND | 0.27 | 0.26 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | | |
| 2-Fluorobiphenyl | 70 | 50-150 | | | |
| p-Terphenyl-d14 | 65 | 50-150 | | | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 06/19/15
Work Order: 15-06-1664
Preparation: EPA 3541
Method: EPA 8270C SIM PCB Congeners
Units: ug/kg

Project: San Diego Shipyards- North

Page 3 of 4

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-16-418-81 | N/A | Solid | GC/MS HHH | 06/19/15 | 06/22/15 14:08 | 150619L12 |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|------------|--------|------|-------|------|------------|
| PCB018 | ND | 0.20 | 0.071 | 1.00 | |
| PCB028 | ND | 0.20 | 0.034 | 1.00 | |
| PCB037 | ND | 0.20 | 0.060 | 1.00 | |
| PCB044 | ND | 0.20 | 0.087 | 1.00 | |
| PCB049 | ND | 0.20 | 0.11 | 1.00 | |
| PCB052 | ND | 0.20 | 0.063 | 1.00 | |
| PCB066 | ND | 0.20 | 0.10 | 1.00 | |
| PCB070 | ND | 0.20 | 0.060 | 1.00 | |
| PCB074 | ND | 0.20 | 0.087 | 1.00 | |
| PCB077 | ND | 0.20 | 0.078 | 1.00 | |
| PCB081 | ND | 0.20 | 0.12 | 1.00 | |
| PCB087 | ND | 0.20 | 0.11 | 1.00 | |
| PCB099 | ND | 0.20 | 0.061 | 1.00 | |
| PCB101 | ND | 0.20 | 0.098 | 1.00 | |
| PCB105 | ND | 0.20 | 0.055 | 1.00 | |
| PCB110 | ND | 0.20 | 0.046 | 1.00 | |
| PCB114 | ND | 0.20 | 0.082 | 1.00 | |
| PCB118 | ND | 0.20 | 0.084 | 1.00 | |
| PCB119 | ND | 0.20 | 0.094 | 1.00 | |
| PCB123 | ND | 0.20 | 0.10 | 1.00 | |
| PCB126 | ND | 0.20 | 0.080 | 1.00 | |
| PCB128 | ND | 0.20 | 0.10 | 1.00 | |
| PCB132/153 | ND | 0.40 | 0.17 | 1.00 | |
| PCB138/158 | ND | 0.40 | 0.094 | 1.00 | |
| PCB149 | ND | 0.20 | 0.098 | 1.00 | |
| PCB151 | ND | 0.20 | 0.067 | 1.00 | |
| PCB156 | ND | 0.20 | 0.058 | 1.00 | |
| PCB157 | ND | 0.20 | 0.052 | 1.00 | |
| PCB167 | ND | 0.20 | 0.062 | 1.00 | |
| PCB168 | ND | 0.20 | 0.049 | 1.00 | |
| PCB169 | ND | 0.20 | 0.061 | 1.00 | |
| PCB170 | ND | 0.20 | 0.063 | 1.00 | |
| PCB177 | ND | 0.20 | 0.087 | 1.00 | |
| PCB180 | ND | 0.20 | 0.042 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 06/19/15
 Work Order: 15-06-1664
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyards- North

Page 4 of 4

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|-----------------|-----------------------|-------------------|-----------|-------------------|
| PCB183 | ND | 0.20 | 0.11 | 1.00 | |
| PCB187 | ND | 0.20 | 0.084 | 1.00 | |
| PCB189 | ND | 0.20 | 0.061 | 1.00 | |
| PCB194 | ND | 0.20 | 0.11 | 1.00 | |
| PCB201 | ND | 0.20 | 0.097 | 1.00 | |
| PCB206 | ND | 0.20 | 0.19 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | | |
| 2-Fluorobiphenyl | 53 | 50-150 | | | |
| p-Terphenyl-d14 | 56 | 50-150 | | | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 06/19/15
Work Order: 15-06-1664
Preparation: EPA 3550B (M)
Method: Organotins by Krone et al.
Units: ug/kg

Project: San Diego Shipyards- North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-12-D-0535-150619 | 15-06-1664-4-AA | 06/19/15 10:37 | Sediment | GC/MS Y | 06/19/15 | 06/22/15 14:30 | 150619L16 |

Comment(s): - Results are reported on a dry weight basis.
- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|--------------|----------|----------------|------------|------|------------|
| Tributyltin | ND | 4.0 | 2.0 | 1.00 | |
| Surrogate | Rec. (%) | Control Limits | Qualifiers | | |
| Tripentyltin | 80 | 27-135 | | | |

| Method Blank | 099-07-016-1285 | N/A | Solid | GC/MS Y | 06/19/15 | 06/22/15 13:58 | 150619L16 |
|--------------|-----------------|-----|-------|---------|----------|-------------------|-----------|
|--------------|-----------------|-----|-------|---------|----------|-------------------|-----------|

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|--------------|----------|----------------|------------|------|------------|
| Tributyltin | ND | 3.0 | 1.5 | 1.00 | |
| Surrogate | Rec. (%) | Control Limits | Qualifiers | | |
| Tripentyltin | 81 | 27-135 | | | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 06/19/15
Work Order: 15-06-1664
Preparation: EPA 3050B
Method: EPA 6020

Project: San Diego Shipyards- North

Page 1 of 4

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-12-D-0535-150619 | Sample | Sediment | ICP/MS 03 | 06/19/15 | 06/22/15 13:04 | 150619S03 |
| SD-N-C-12-D-0535-150619 | Matrix Spike | Sediment | ICP/MS 03 | 06/19/15 | 06/22/15 12:50 | 150619S03 |
| SD-N-C-12-D-0535-150619 | Matrix Spike Duplicate | Sediment | ICP/MS 03 | 06/19/15 | 06/22/15 12:53 | 150619S03 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Copper | 17.77 | 25.00 | 43.39 | 102 | 50.00 | 129 | 80-120 | 14 | 0-20 | 3 |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 06/19/15
Work Order: 15-06-1664
Preparation: EPA 7471A Total
Method: EPA 7471A

Project: San Diego Shipyards- North

Page 2 of 4

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|--------|------------|---------------|----------------|---------------------|
| 15-06-1668-1 | Sample | Solid | Mercury 05 | 06/22/15 | 06/22/15 16:34 | 150622S01 |
| 15-06-1668-1 | Matrix Spike | Solid | Mercury 05 | 06/22/15 | 06/22/15 16:36 | 150622S01 |
| 15-06-1668-1 | Matrix Spike Duplicate | Solid | Mercury 05 | 06/22/15 | 06/22/15 16:38 | 150622S01 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Mercury | 0.3917 | 0.8350 | 1.072 | 81 | 1.191 | 96 | 71-137 | 10 | 0-14 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 06/19/15
Work Order: 15-06-1664
Preparation: EPA 3541
Method: EPA 8270C SIM PAHs

Project: San Diego Shipyards- North

Page 3 of 4

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-12-D-0535-150619 | Sample | Sediment | GC/MS EEE | 06/19/15 | 06/22/15 15:19 | 150619S17 |
| SD-N-C-12-D-0535-150619 | Matrix Spike | Sediment | GC/MS EEE | 06/19/15 | 06/22/15 14:18 | 150619S17 |
| SD-N-C-12-D-0535-150619 | Matrix Spike Duplicate | Sediment | GC/MS EEE | 06/19/15 | 06/22/15 14:38 | 150619S17 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-------------------------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Benzo (a) Anthracene | ND | 0.1000 | 0.06589 | 66 | 0.06362 | 64 | 40-160 | 4 | 0-20 | |
| Benzo (a) Pyrene | ND | 0.1000 | 0.06303 | 63 | 0.06189 | 62 | 40-160 | 2 | 0-20 | |
| Chrysene | ND | 0.1000 | 0.06707 | 67 | 0.06487 | 65 | 40-160 | 3 | 0-20 | |
| Dibenz (a,h) Anthracene | ND | 0.1000 | 0.07836 | 78 | 0.07653 | 77 | 40-160 | 2 | 0-20 | |
| Fluoranthene | ND | 0.1000 | 0.07126 | 71 | 0.06845 | 68 | 40-160 | 4 | 0-20 | |


 Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 06/19/15
Work Order: 15-06-1664
Preparation: EPA 3550B (M)
Method: Organotins by Krone et al.

Project: San Diego Shipyards- North

Page 4 of 4

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-12-D-0535-150619 | Sample | Sediment | GC/MS Y | 06/19/15 | 06/22/15 14:30 | 150619S16 |
| SD-N-C-12-D-0535-150619 | Matrix Spike | Sediment | GC/MS Y | 06/19/15 | 06/22/15 15:18 | 150619S16 |
| SD-N-C-12-D-0535-150619 | Matrix Spike Duplicate | Sediment | GC/MS Y | 06/19/15 | 06/22/15 15:33 | 150619S16 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-------------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Tributyltin | ND | 100.0 | 67.04 | 67 | 73.00 | 73 | 34-142 | 9 | 0-50 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - PDS

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 06/19/15
 Work Order: 15-06-1664
 Preparation: EPA 3050B
 Method: EPA 6020

Project: San Diego Shipyards- North

Page 1 of 1

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | PDS/PDSD Batch Number |
|---------------------------|--------|----------|------------|----------------|----------------|-----------------------|
| SD-N-C-12-D-0535-150619 | Sample | Sediment | ICP/MS 03 | 06/19/15 00:00 | 06/22/15 13:04 | 150619S03 |
| SD-N-C-12-D-0535-150619 | PDS | Sediment | ICP/MS 03 | 06/19/15 00:00 | 06/22/15 12:57 | 150619S03 |

| Parameter | Sample Conc. | Spike Added | PDS Conc. | PDS %Rec. | %Rec. CL | Qualifiers |
|-----------|--------------|-------------|-----------|-----------|----------|------------|
| Copper | 17.77 | 25.00 | 43.16 | 102 | 75-125 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Sample Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 06/19/15
 Work Order: 15-06-1664
 Preparation: N/A
 Method: SM 2540 B (M)

Project: San Diego Shipyards- North

Page 1 of 1

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | Duplicate Batch Number |
|---------------------------|------------------|----------|------------|----------------|----------------|------------------------|
| SD-N-C-11-D-0535-150619 | Sample | Sediment | N/A | 06/19/15 00:00 | 06/20/15 14:00 | F0620TSD1 |
| SD-N-C-11-D-0535-150619 | Sample Duplicate | Sediment | N/A | 06/19/15 00:00 | 06/20/15 14:00 | F0620TSD1 |

| Parameter | Sample Conc. | DUP Conc. | RPD | RPD CL | Qualifiers |
|---------------|--------------|-----------|-----|--------|------------|
| Solids, Total | 66.00 | 66.30 | 0 | 0-10 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 06/19/15
 Work Order: 15-06-1664
 Preparation: EPA 3050B
 Method: EPA 6020

Project: San Diego Shipyards- North

Page 1 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number | | | |
|---------------------------|-------------|-----------|------------|---------------|----------------|-----------------------|-----|--------|------------|
| 099-15-254-325 | LCS | Solid | ICP/MS 03 | 06/19/15 | 06/22/15 12:43 | 150619L03E | | | |
| 099-15-254-325 | LCSD | Solid | ICP/MS 03 | 06/19/15 | 06/22/15 12:46 | 150619L03E | | | |
| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
| Copper | 25.00 | 26.59 | 106 | 25.89 | 104 | 80-120 | 3 | 0-20 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 06/19/15
 Work Order: 15-06-1664
 Preparation: EPA 7471A Total
 Method: EPA 7471A

Project: San Diego Shipyards- North

Page 2 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number | | | |
|---------------------------|-------------|-----------|------------|---------------|----------------|-----------------------|-----|--------|------------|
| 099-16-278-143 | LCS | Solid | Mercury 05 | 06/22/15 | 06/22/15 16:32 | 150622L01E | | | |
| 099-16-278-143 | LCSD | Solid | Mercury 05 | 06/22/15 | 06/22/15 21:16 | 150622L01E | | | |
| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
| Mercury | 0.8350 | 0.9647 | 116 | 0.8256 | 99 | 82-124 | 16 | 0-16 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 06/19/15
Work Order: 15-06-1664
Preparation: EPA 3541
Method: EPA 8270C SIM PAHs

Project: San Diego Shipyards- North

Page 3 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number | | | |
|---------------------------|-------------|-----------|------------|---------------|----------------|-----------------------|-----|--------|------------|
| 099-14-097-164 | LCS | Solid | GC/MS EEE | 06/19/15 | 06/22/15 13:37 | 150619L17 | | | |
| 099-14-097-164 | LCSD | Solid | GC/MS EEE | 06/19/15 | 06/22/15 13:57 | 150619L17 | | | |
| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
| Benzo (a) Anthracene | 0.1000 | 0.06474 | 65 | 0.06485 | 65 | 40-160 | 0 | 0-20 | |
| Benzo (a) Pyrene | 0.1000 | 0.06687 | 67 | 0.06680 | 67 | 40-160 | 0 | 0-20 | |
| Chrysene | 0.1000 | 0.06534 | 65 | 0.06590 | 66 | 40-160 | 1 | 0-20 | |
| Dibenz (a,h) Anthracene | 0.1000 | 0.06795 | 68 | 0.06861 | 69 | 40-160 | 1 | 0-20 | |
| Fluoranthene | 0.1000 | 0.06760 | 68 | 0.06826 | 68 | 40-160 | 1 | 0-20 | |

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 06/19/15
Work Order: 15-06-1664
Preparation: EPA 3541
Method: EPA 8270C SIM PCB Congeners

Project: San Diego Shipyards- North

Page 4 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number | | | | |
|---------------------------|-------------|-----------|------------|---------------|----------------|-----------------------|--------|-----|--------|------------|
| 099-16-418-81 | LCS | Solid | GC/MS HHH | 06/19/15 | 06/22/15 16:27 | 150619L12 | | | | |
| 099-16-418-81 | LCSD | Solid | GC/MS HHH | 06/19/15 | 06/22/15 13:09 | 150619L12 | | | | |
| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | ME CL | RPD | RPD CL | Qualifiers |
| PCB018 | 50.00 | 32.41 | 65 | 32.95 | 66 | 50-150 | 33-167 | 2 | 0-25 | |
| PCB028 | 50.00 | 36.83 | 74 | 37.49 | 75 | 50-150 | 33-167 | 2 | 0-25 | |
| PCB044 | 50.00 | 36.78 | 74 | 35.77 | 72 | 50-150 | 33-167 | 3 | 0-25 | |
| PCB052 | 50.00 | 37.06 | 74 | 36.99 | 74 | 50-150 | 33-167 | 0 | 0-25 | |
| PCB066 | 50.00 | 42.23 | 84 | 39.31 | 79 | 50-150 | 33-167 | 7 | 0-25 | |
| PCB077 | 50.00 | 43.46 | 87 | 38.01 | 76 | 50-150 | 33-167 | 13 | 0-25 | |
| PCB101 | 50.00 | 38.67 | 77 | 35.46 | 71 | 50-150 | 33-167 | 9 | 0-25 | |
| PCB105 | 50.00 | 43.11 | 86 | 36.33 | 73 | 50-150 | 33-167 | 17 | 0-25 | |
| PCB118 | 50.00 | 44.63 | 89 | 39.08 | 78 | 50-150 | 33-167 | 13 | 0-25 | |
| PCB126 | 50.00 | 44.04 | 88 | 35.50 | 71 | 50-150 | 33-167 | 21 | 0-25 | |
| PCB128 | 50.00 | 42.24 | 84 | 33.83 | 68 | 50-150 | 33-167 | 22 | 0-25 | |
| PCB170 | 50.00 | 37.29 | 75 | 37.25 | 75 | 50-150 | 33-167 | 0 | 0-25 | |
| PCB180 | 50.00 | 44.78 | 90 | 34.72 | 69 | 50-150 | 33-167 | 25 | 0-25 | |
| PCB187 | 50.00 | 42.07 | 84 | 33.71 | 67 | 50-150 | 33-167 | 22 | 0-25 | |
| PCB206 | 50.00 | 36.74 | 73 | 36.45 | 73 | 50-150 | 33-167 | 1 | 0-25 | |

Total number of LCS compounds: 15

Total number of ME compounds: 0

Total number of ME compounds allowed: 1

LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 06/19/15
Work Order: 15-06-1664
Preparation: EPA 3550B (M)
Method: Organotins by Krone et al.

Project: San Diego Shipyards- North

Page 5 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number | | | |
|---------------------------|-------------|-----------|------------|---------------|----------------|-----------------------|-----|--------|------------|
| 099-07-016-1285 | LCS | Solid | GC/MS Y | 06/19/15 | 06/22/15 13:26 | 150619L16 | | | |
| 099-07-016-1285 | LCSD | Solid | GC/MS Y | 06/19/15 | 06/22/15 13:42 | 150619L16 | | | |
| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
| Tributyltin | 100.0 | 78.98 | 79 | 74.68 | 75 | 33-147 | 6 | 0-20 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Glossary of Terms and Qualifiers

Work Order: 15-06-1664

Page 1 of 1

| <u>Qualifiers</u> | <u>Definition</u> |
|-------------------|---|
| * | See applicable analysis comment. |
| < | Less than the indicated value. |
| > | Greater than the indicated value. |
| 1 | Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification. |
| 2 | Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification. |
| 3 | Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control. |
| 4 | The MS/MSD RPD was out of control due to suspected matrix interference. |
| 5 | The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference. |
| 6 | Surrogate recovery below the acceptance limit. |
| 7 | Surrogate recovery above the acceptance limit. |
| B | Analyte was present in the associated method blank. |
| BU | Sample analyzed after holding time expired. |
| BV | Sample received after holding time expired. |
| CI | See case narrative. |
| E | Concentration exceeds the calibration range. |
| ET | Sample was extracted past end of recommended max. holding time. |
| HD | The chromatographic pattern was inconsistent with the profile of the reference fuel standard. |
| HDH | The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected). |
| HDL | The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected). |
| J | Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated. |
| JA | Analyte positively identified but quantitation is an estimate. |
| ME | LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean). |
| ND | Parameter not detected at the indicated reporting limit. |
| Q | Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater. |
| SG | The sample extract was subjected to Silica Gel treatment prior to analysis. |
| X | % Recovery and/or RPD out-of-range. |
| Z | Analyte presence was not confirmed by second column or GC/MS analysis. |
| | Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis. |
| | Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time. |
| | A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations. |



Calscience

CHAIN OF CUSTODY RECORD

DATE: 6/19/15
PAGE: 1 OF 1

WO # / LAB USE ONLY
15-06-1664

7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
For courier service / sample drop off information, contact us@eurofins.com or call us.

LABORATORY CLIENT: **Anchor QEA**

ADDRESS: **27201 Puerta Real, Suite 350**
CITY: **Misson Viejo** STATE: **CA** ZIP: **92691**

TEL: **949.347.2780** E-MAIL: **agale@anchorqea.com or kking@anchorqea.com**

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD")
 SAME DAY 24 HR 48 HR 72 HR 5 DAYS STANDARD

COELT EDF GLOBAL ID: LOG CODE:
SPECIAL INSTRUCTIONS:
Rush samples: Start drying process asap.
Report J-flags

| LAB USE ONLY | SAMPLE ID | SAMPLING | | MATRIX | NO. OF CONT. | Field Filtered | Preserved | Unpreserved |
|--------------|------------------------|----------|------|--------|--------------|----------------|-----------|-------------|
| | | DATE | TIME | | | | | |
| 1 | SD-N-C-11-D-0005-15015 | 6/19/15 | 1207 | SED | 1 | | | |
| 2 | SD-N-C-11-D-0005-15015 | | 1207 | SED | 1 | | | |
| 3 | SD-N-C-11-D-0005-15015 | | 1037 | SED | 1 | | | |
| 4 | SD-N-C-11-D-0005-15015 | | 1037 | SED | 1 | | | |
| 5 | SD-N-C-11-D-0005-15015 | | 0835 | SED | 1 | | | |
| 6 | SD-N-C-11-D-0005-15015 | | 0835 | SED | 1 | | | |

Relinquished by: (Signature) *[Signature]* Received by: (Signature/Affiliation) *[Signature]*
 Relinquished by: (Signature) *[Signature]* Received by: (Signature/Affiliation) *[Signature]*
 Relinquished by: (Signature) *[Signature]* Received by: (Signature/Affiliation) *[Signature]*

CLIENT PROJECT NAME / NUMBER: **San Diego Shipyards - North**
PROJECT CONTACT: **Adam Gale or Kyle King**

P.O. NO.: **131002-01.63**
SAMPLER(S) (PRINT): **C. Dolphin**
C. Buch

REQUESTED ANALYSES

Please check box or fill in blank as needed.

| SM 2540 B (M) Total Solids | EPA 6020 /741A Cu, Hg | EPA 8270C SIM PCB Congeners | EPA 8270C SIM PAHs | Organotins by Krone et al. (Tributyltin only) | Archival |
|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|---|-------------------------------------|
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |

Date: 6/19/15 Time: 1336
Date: 6/19/15 Time: 1845
Date: _____ Time: _____



SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: ANCHOR QEA

DATE: 06 / 19 / 2015

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)
 Thermometer ID: SC2 (CF:-0.3°C); Temperature (w/o CF): 24 °C (w/ CF): 2.1 °C; Blank Sample
 Sample(s) outside temperature criteria (PM/APM contacted by: _____)
 Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling
 Sample(s) received at ambient temperature; placed on ice for transport by courier
 Ambient Temperature: Air Filter
 Checked by: 671

CUSTODY SEAL:
 Cooler Present and Intact Present but Not Intact Not Present N/A
 Sample(s) Present and Intact Present but Not Intact Not Present N/A
 Checked by: 671
 Checked by: 1013

| SAMPLE CONDITION: | Yes | No | N/A |
|--|-------------------------------------|--------------------------|-------------------------------------|
| Chain-of-Custody (COC) document(s) received with samples | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| COC document(s) received complete | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> Sampling date <input type="checkbox"/> Sampling time <input type="checkbox"/> Matrix <input type="checkbox"/> Number of containers | | | |
| <input type="checkbox"/> No analysis requested <input type="checkbox"/> Not relinquished <input type="checkbox"/> No relinquished date <input type="checkbox"/> No relinquished time | | | |
| Sampler's name indicated on COC | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Sample container label(s) consistent with COC | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Sample container(s) intact and in good condition | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Proper containers for analyses requested | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Sufficient volume/mass for analyses requested | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Samples received within holding time | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Aqueous samples for certain analyses received within 15-minute holding time | | | |
| <input type="checkbox"/> pH <input type="checkbox"/> Residual Chlorine <input type="checkbox"/> Dissolved Sulfide <input type="checkbox"/> Dissolved Oxygen | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Proper preservation chemical(s) noted on COC and/or sample container | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Unpreserved aqueous sample(s) received for certain analyses | | | |
| <input type="checkbox"/> Volatile Organics <input type="checkbox"/> Total Metals <input type="checkbox"/> Dissolved Metals | | | |
| Container(s) for certain analysis free of headspace | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input type="checkbox"/> Volatile Organics <input type="checkbox"/> Dissolved Gases (RSK-175) <input type="checkbox"/> Dissolved Oxygen (SM 4500) | | | |
| <input type="checkbox"/> Carbon Dioxide (SM 4500) <input type="checkbox"/> Ferrous Iron (SM 3500) <input type="checkbox"/> Hydrogen Sulfide (Hach) | | | |
| Tedlar™ bag(s) free of condensation | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

CONTAINER TYPE: (Trip Blank Lot Number: _____)
Aqueous: VOA VOA_h VOA_{na2} 100PJ 100PJ_{na2} 125AGB 125AGB_h 125AGB_p 125PB
 125PB_z 250AGB 250CGB 250CGB_s 250PB 250PB_n 500AGB 500AGJ 500AGJ_s
 500PB 1AGB 1AGB_{na2} 1AGB_s 1PB 1PB_{na} _____ _____ _____ _____
Solid: 4ozCGJ 8ozCGJ 16ozCGJ Sleeve (_____) EnCores® (_____) TerraCores® (_____) _____
Air: Tedlar™ Canister Sorbent Tube PUF _____ **Other Matrix** (____): _____ _____
 Container: A = Amber, B = Bottle, C = Clear, E = Envelope, G = Glass, J = Jar, P = Plastic, and Z = Ziploc/Resealable Bag
 Preservative: b = buffered, f = filtered, h = HCl, n = HNO₃, na = NaOH, na₂ = Na₂S₂O₃, p = H₃PO₄, Labeled/Checked by: 1013
 s = H₂SO₄, u = ultra-pure, z_{na} = Zn(CH₃CO₂)₂ + NaOH Reviewed by: 679



Calscience



WORK ORDER NUMBER: 15-06-1875

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: ANCHOR QEA, LLC

Client Project Name: San Diego Shipyards- North

Attention: Adam Gale
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Approved for release on 06/25/2015 by:
Danielle Gonsman
Project Manager

ResultLink ▶

Email your PM ▶



Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

Contents

Client Project Name: San Diego Shipyards- North
 Work Order Number: 15-06-1875

| | | |
|---|--|----|
| 1 | Work Order Narrative. | 3 |
| 2 | Sample Summary. | 4 |
| 3 | Client Sample Data. | 5 |
| | 3.1 SM 2540 B (M) Total Solids (Solid). | 5 |
| | 3.2 EPA 6020 ICP/MS Metals (Solid). | 6 |
| | 3.3 EPA 7471A Mercury (Solid). | 7 |
| | 3.4 EPA 8270C SIM PAHs (Solid). | 8 |
| | 3.5 EPA 8270C SIM PCB Congeners (Solid). | 9 |
| | 3.6 Krone et al. Organotins (Solid). | 13 |
| 4 | Quality Control Sample Data. | 14 |
| | 4.1 MS/MSD. | 14 |
| | 4.2 PDS/PDSD. | 19 |
| | 4.3 Sample Duplicate. | 20 |
| | 4.4 LCS/LCSD. | 21 |
| 5 | Glossary of Terms and Qualifiers. | 26 |
| 6 | Chain-of-Custody/Sample Receipt Form. | 27 |

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 06/23/15. They were assigned to Work Order 15-06-1875.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of ≤ 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.



Calscience

Sample Summary

| | |
|------------------------------|--|
| Client: ANCHOR QEA, LLC | Work Order: 15-06-1875 |
| 27201 Puerta Real, Suite 350 | Project Name: San Diego Shipyards- North |
| Mission Viejo, CA 92691-8306 | PO Number: |
| | Date/Time Received: 06/23/15 19:35 |
| | Number of Containers: 2 |

Attn: Adam Gale

| Sample Identification | Lab Number | Collection Date and Time | Number of Containers | Matrix |
|--------------------------|--------------|--------------------------|----------------------|----------|
| SD-N-C-13A-D-0005-150623 | 15-06-1875-1 | 06/23/15 15:23 | 1 | Sediment |
| SD-N-C-13A-D-0535-150623 | 15-06-1875-2 | 06/23/15 15:23 | 1 | Sediment |



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 06/23/15
Work Order: 15-06-1875
Preparation: N/A
Method: SM 2540 B (M)
Units: %

Project: San Diego Shipyards- North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-13A-D-0535-150623 | 15-06-1875-2-AA | 06/23/15 15:23 | Sediment | N/A | 06/24/15 | 06/24/15 17:30 | F0624TSB1 |

| Parameter | Result | RL | DF | Qualifiers |
|---------------|--------|-------|------|------------|
| Solids, Total | 77.6 | 0.100 | 1.00 | |

| | | | | | | | |
|--------------|-----------------|-----|-------|-----|----------|-------------------|-----------|
| Method Blank | 099-05-019-2940 | N/A | Solid | N/A | 06/24/15 | 06/24/15 17:30 | F0624TSB1 |
|--------------|-----------------|-----|-------|-----|----------|-------------------|-----------|

| Parameter | Result | RL | DF | Qualifiers |
|---------------|--------|-------|------|------------|
| Solids, Total | ND | 0.100 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 06/23/15
Work Order: 15-06-1875
Preparation: EPA 3050B
Method: EPA 6020
Units: mg/kg

Project: San Diego Shipyards- North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-13A-D-0535-150623 | 15-06-1875-2-AA | 06/23/15 15:23 | Sediment | ICP/MS 03 | 06/24/15 | 06/24/15 12:46 | 150624L01E |

Comment(s): - Results are reported on a dry weight basis.
- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|-------|--------|------|------------|
| Copper | 32.7 | 0.129 | 0.0540 | 1.00 | |

| Method Blank | 099-15-254-326 | N/A | Solid | ICP/MS 03 | 06/24/15 | 06/24/15 12:21 | 150624L01E |
|--------------|----------------|-----|-------|-----------|----------|-------------------|------------|
|--------------|----------------|-----|-------|-----------|----------|-------------------|------------|

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|-------|--------|------|------------|
| Copper | ND | 0.100 | 0.0419 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 06/23/15
Work Order: 15-06-1875
Preparation: EPA 7471A Total
Method: EPA 7471A
Units: mg/kg

Project: San Diego Shipyards- North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-13A-D-0535-150623 | 15-06-1875-2-AA | 06/23/15 15:23 | Sediment | Mercury 05 | 06/24/15 | 06/24/15 15:52 | 150623L05E |

Comment(s): - Results are reported on a dry weight basis.
- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|--------|---------|------|------------|
| Mercury | 0.145 | 0.0258 | 0.00757 | 1.00 | |

| Method Blank | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-16-278-144 | N/A | Solid | Mercury 05 | 06/23/15 | 06/23/15 21:25 | 150623L05E |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|--------|---------|------|------------|
| Mercury | ND | 0.0200 | 0.00587 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 06/23/15
Work Order: 15-06-1875
Preparation: EPA 3541
Method: EPA 8270C SIM PAHs
Units: ug/kg

Project: San Diego Shipyards- North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-13A-D-0535-150623 | 15-06-1875-2-AA | 06/23/15 15:23 | Sediment | GC/MS AAA | 06/23/15 | 06/24/15 18:12 | 150623L16 |

Comment(s): - Results are reported on a dry weight basis.

- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-------------------------|--------|----|-----|------|------------|
| Benzo (a) Anthracene | 4.9 | 13 | 2.8 | 1.00 | J |
| Benzo (a) Pyrene | 18 | 13 | 2.4 | 1.00 | |
| Chrysene | 9.5 | 13 | 2.9 | 1.00 | J |
| Dibenz (a,h) Anthracene | 4.1 | 13 | 2.5 | 1.00 | J |
| Fluoranthene | 7.4 | 13 | 2.3 | 1.00 | J |
| Perylene | ND | 13 | 3.1 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|------------------|----------|----------------|------------|
| 2-Fluorobiphenyl | 66 | 14-146 | |
| Nitrobenzene-d5 | 63 | 18-162 | |
| p-Terphenyl-d14 | 68 | 34-148 | |

| Method Blank | 099-14-097-165 | N/A | Solid | GC/MS AAA | 06/23/15 | 06/24/15 17:52 | 150623L16 |
|--------------|----------------|-----|-------|-----------|----------|-------------------|-----------|
|--------------|----------------|-----|-------|-----------|----------|-------------------|-----------|

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-------------------------|--------|----|-----|------|------------|
| Benzo (a) Anthracene | ND | 10 | 2.2 | 1.00 | |
| Benzo (a) Pyrene | ND | 10 | 1.8 | 1.00 | |
| Chrysene | ND | 10 | 2.2 | 1.00 | |
| Dibenz (a,h) Anthracene | ND | 10 | 2.0 | 1.00 | |
| Fluoranthene | ND | 10 | 1.8 | 1.00 | |
| Perylene | ND | 10 | 2.4 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|------------------|----------|----------------|------------|
| 2-Fluorobiphenyl | 71 | 14-146 | |
| Nitrobenzene-d5 | 67 | 18-162 | |
| p-Terphenyl-d14 | 72 | 34-148 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 06/23/15
Work Order: 15-06-1875
Preparation: EPA 3541
Method: EPA 8270C SIM PCB Congeners
Units: ug/kg

Project: San Diego Shipyards- North

Page 1 of 4

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-13A-D-0535-150623 | 15-06-1875-2-AA | 06/23/15 15:23 | Sediment | GC/MS HHH | 06/23/15 | 06/24/15 18:34 | 150623L17 |

Comment(s): - Results are reported on a dry weight basis.

- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|------------|--------|------|-------|------|------------|
| PCB018 | ND | 0.26 | 0.092 | 1.00 | |
| PCB028 | ND | 0.26 | 0.043 | 1.00 | |
| PCB037 | ND | 0.26 | 0.078 | 1.00 | |
| PCB044 | ND | 0.26 | 0.11 | 1.00 | |
| PCB049 | ND | 0.26 | 0.14 | 1.00 | |
| PCB052 | ND | 0.26 | 0.081 | 1.00 | |
| PCB066 | 0.21 | 0.26 | 0.13 | 1.00 | J |
| PCB070 | 0.20 | 0.26 | 0.077 | 1.00 | J |
| PCB074 | ND | 0.26 | 0.11 | 1.00 | |
| PCB077 | ND | 0.26 | 0.10 | 1.00 | |
| PCB081 | ND | 0.26 | 0.15 | 1.00 | |
| PCB087 | ND | 0.26 | 0.14 | 1.00 | |
| PCB099 | 0.33 | 0.26 | 0.078 | 1.00 | |
| PCB101 | 0.60 | 0.26 | 0.13 | 1.00 | |
| PCB105 | ND | 0.26 | 0.070 | 1.00 | |
| PCB110 | 0.49 | 0.26 | 0.059 | 1.00 | |
| PCB114 | ND | 0.26 | 0.11 | 1.00 | |
| PCB118 | 0.55 | 0.26 | 0.11 | 1.00 | |
| PCB119 | ND | 0.26 | 0.12 | 1.00 | |
| PCB123 | ND | 0.26 | 0.13 | 1.00 | |
| PCB126 | ND | 0.26 | 0.10 | 1.00 | |
| PCB128 | ND | 0.26 | 0.13 | 1.00 | |
| PCB132/153 | 1.3 | 0.52 | 0.22 | 1.00 | |
| PCB138/158 | 0.78 | 0.52 | 0.12 | 1.00 | |
| PCB149 | 0.61 | 0.26 | 0.13 | 1.00 | |
| PCB151 | 0.18 | 0.26 | 0.087 | 1.00 | J |
| PCB156 | ND | 0.26 | 0.074 | 1.00 | |
| PCB157 | ND | 0.26 | 0.067 | 1.00 | |
| PCB167 | ND | 0.26 | 0.079 | 1.00 | |
| PCB168 | ND | 0.26 | 0.063 | 1.00 | |
| PCB169 | ND | 0.26 | 0.079 | 1.00 | |
| PCB170 | 0.21 | 0.26 | 0.082 | 1.00 | J |
| PCB177 | 0.13 | 0.26 | 0.11 | 1.00 | J |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 06/23/15
Work Order: 15-06-1875
Preparation: EPA 3541
Method: EPA 8270C SIM PCB Congeners
Units: ug/kg

Project: San Diego Shipyards- North

Page 2 of 4

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|-----------------|-----------------------|-------------------|-----------|-------------------|
| PCB180 | 0.57 | 0.26 | 0.054 | 1.00 | |
| PCB183 | ND | 0.26 | 0.14 | 1.00 | |
| PCB187 | 0.31 | 0.26 | 0.11 | 1.00 | |
| PCB189 | ND | 0.26 | 0.079 | 1.00 | |
| PCB194 | ND | 0.26 | 0.14 | 1.00 | |
| PCB201 | ND | 0.26 | 0.12 | 1.00 | |
| PCB206 | ND | 0.26 | 0.25 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | | |
| 2-Fluorobiphenyl | 29 | 50-150 | 2,6 | | |
| p-Terphenyl-d14 | 64 | 50-150 | | | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 06/23/15
Work Order: 15-06-1875
Preparation: EPA 3541
Method: EPA 8270C SIM PCB Congeners
Units: ug/kg

Project: San Diego Shipyards- North

Page 3 of 4

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-16-418-82 | N/A | Solid | GC/MS HHH | 06/23/15 | 06/24/15 18:07 | 150623L17 |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|------------|--------|------|-------|------|------------|
| PCB018 | ND | 0.20 | 0.071 | 1.00 | |
| PCB028 | ND | 0.20 | 0.034 | 1.00 | |
| PCB037 | ND | 0.20 | 0.060 | 1.00 | |
| PCB044 | ND | 0.20 | 0.087 | 1.00 | |
| PCB049 | ND | 0.20 | 0.11 | 1.00 | |
| PCB052 | ND | 0.20 | 0.063 | 1.00 | |
| PCB066 | ND | 0.20 | 0.10 | 1.00 | |
| PCB070 | ND | 0.20 | 0.060 | 1.00 | |
| PCB074 | ND | 0.20 | 0.087 | 1.00 | |
| PCB077 | ND | 0.20 | 0.078 | 1.00 | |
| PCB081 | ND | 0.20 | 0.12 | 1.00 | |
| PCB087 | ND | 0.20 | 0.11 | 1.00 | |
| PCB099 | ND | 0.20 | 0.061 | 1.00 | |
| PCB101 | ND | 0.20 | 0.098 | 1.00 | |
| PCB105 | ND | 0.20 | 0.055 | 1.00 | |
| PCB110 | ND | 0.20 | 0.046 | 1.00 | |
| PCB114 | ND | 0.20 | 0.082 | 1.00 | |
| PCB118 | ND | 0.20 | 0.084 | 1.00 | |
| PCB119 | ND | 0.20 | 0.094 | 1.00 | |
| PCB123 | ND | 0.20 | 0.10 | 1.00 | |
| PCB126 | ND | 0.20 | 0.080 | 1.00 | |
| PCB128 | ND | 0.20 | 0.10 | 1.00 | |
| PCB132/153 | ND | 0.40 | 0.17 | 1.00 | |
| PCB138/158 | ND | 0.40 | 0.094 | 1.00 | |
| PCB149 | ND | 0.20 | 0.098 | 1.00 | |
| PCB151 | ND | 0.20 | 0.067 | 1.00 | |
| PCB156 | ND | 0.20 | 0.058 | 1.00 | |
| PCB157 | ND | 0.20 | 0.052 | 1.00 | |
| PCB167 | ND | 0.20 | 0.062 | 1.00 | |
| PCB168 | ND | 0.20 | 0.049 | 1.00 | |
| PCB169 | ND | 0.20 | 0.061 | 1.00 | |
| PCB170 | ND | 0.20 | 0.063 | 1.00 | |
| PCB177 | ND | 0.20 | 0.087 | 1.00 | |
| PCB180 | ND | 0.20 | 0.042 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 06/23/15
 Work Order: 15-06-1875
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyards- North

Page 4 of 4

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|-----------------|-----------------------|-------------------|-----------|-------------------|
| PCB183 | ND | 0.20 | 0.11 | 1.00 | |
| PCB187 | ND | 0.20 | 0.084 | 1.00 | |
| PCB189 | ND | 0.20 | 0.061 | 1.00 | |
| PCB194 | ND | 0.20 | 0.11 | 1.00 | |
| PCB201 | ND | 0.20 | 0.097 | 1.00 | |
| PCB206 | ND | 0.20 | 0.19 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | | |
| 2-Fluorobiphenyl | 51 | 50-150 | | | |
| p-Terphenyl-d14 | 73 | 50-150 | | | |

Return to Contents 

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 06/23/15
Work Order: 15-06-1875
Preparation: EPA 3550B (M)
Method: Organotins by Krone et al.
Units: ug/kg

Project: San Diego Shipyards- North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-13A-D-0535-150623 | 15-06-1875-2-AA | 06/23/15 15:23 | Sediment | GC/MS Y | 06/23/15 | 06/24/15 17:04 | 150623L18 |

Comment(s): - Results are reported on a dry weight basis.
- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|--------------|----------|----------------|------------|------|------------|
| Tributyltin | 4.1 | 3.9 | 1.9 | 1.00 | |
| Surrogate | Rec. (%) | Control Limits | Qualifiers | | |
| Tripentyltin | 85 | 27-135 | | | |

| Method Blank | 099-07-016-1287 | N/A | Solid | GC/MS Y | 06/23/15 | 06/24/15 17:20 | 150623L18 |
|--------------|-----------------|-----|-------|---------|----------|-------------------|-----------|
|--------------|-----------------|-----|-------|---------|----------|-------------------|-----------|

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|--------------|----------|----------------|------------|------|------------|
| Tributyltin | ND | 3.0 | 1.5 | 1.00 | |
| Surrogate | Rec. (%) | Control Limits | Qualifiers | | |
| Tripentyltin | 79 | 27-135 | | | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 06/23/15
 Work Order: 15-06-1875
 Preparation: EPA 3050B
 Method: EPA 6020

Project: San Diego Shipyards- North

Page 1 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-13A-D-0535-150623 | Sample | Sediment | ICP/MS 03 | 06/24/15 | 06/24/15 12:46 | 150624S01 |
| SD-N-C-13A-D-0535-150623 | Matrix Spike | Sediment | ICP/MS 03 | 06/24/15 | 06/24/15 12:32 | 150624S01 |
| SD-N-C-13A-D-0535-150623 | Matrix Spike Duplicate | Sediment | ICP/MS 03 | 06/24/15 | 06/24/15 12:35 | 150624S01 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Copper | 25.36 | 25.00 | 42.88 | 70 | 41.46 | 64 | 80-120 | 3 | 0-20 | 3 |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 06/23/15
Work Order: 15-06-1875
Preparation: EPA 7471A Total
Method: EPA 7471A

Project: San Diego Shipyards- North

Page 2 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|--------|------------|---------------|----------------|---------------------|
| 15-06-1603-1 | Sample | Solid | Mercury 05 | 06/23/15 | 06/23/15 21:29 | 150623S05 |
| 15-06-1603-1 | Matrix Spike | Solid | Mercury 05 | 06/23/15 | 06/23/15 21:32 | 150623S05 |
| 15-06-1603-1 | Matrix Spike Duplicate | Solid | Mercury 05 | 06/23/15 | 06/23/15 21:38 | 150623S05 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Mercury | ND | 0.8350 | 0.6554 | 78 | 0.6114 | 73 | 80-120 | 7 | 0-15 | 3 |


 Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 06/23/15
Work Order: 15-06-1875
Preparation: EPA 3541
Method: EPA 8270C SIM PAHs

Project: San Diego Shipyards- North

Page 3 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-13A-D-0535-150623 | Sample | Sediment | GC/MS AAA | 06/23/15 | 06/24/15 18:12 | 150623S16 |
| SD-N-C-13A-D-0535-150623 | Matrix Spike | Sediment | GC/MS AAA | 06/23/15 | 06/24/15 18:32 | 150623S16 |
| SD-N-C-13A-D-0535-150623 | Matrix Spike Duplicate | Sediment | GC/MS AAA | 06/23/15 | 06/24/15 18:52 | 150623S16 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-------------------------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Benzo (a) Anthracene | ND | 100.0 | 64.66 | 65 | 64.54 | 65 | 40-160 | 0 | 0-20 | |
| Benzo (a) Pyrene | 13.91 | 100.0 | 79.89 | 66 | 80.40 | 66 | 40-160 | 1 | 0-20 | |
| Chrysene | ND | 100.0 | 65.83 | 66 | 65.81 | 66 | 40-160 | 0 | 0-20 | |
| Dibenz (a,h) Anthracene | ND | 100.0 | 69.83 | 70 | 70.43 | 70 | 40-160 | 1 | 0-20 | |
| Fluoranthene | ND | 100.0 | 66.91 | 67 | 66.57 | 67 | 40-160 | 1 | 0-20 | |


 Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 06/23/15
Work Order: 15-06-1875
Preparation: EPA 3541
Method: EPA 8270C SIM PCB Congeners

Project: San Diego Shipyards- North

Page 4 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-13A-D-0535-150623 | Sample | Sediment | GC/MS HHH | 06/23/15 | 06/24/15 18:34 | 150623S17 |
| SD-N-C-13A-D-0535-150623 | Matrix Spike | Sediment | GC/MS HHH | 06/23/15 | 06/24/15 19:26 | 150623S17 |
| SD-N-C-13A-D-0535-150623 | Matrix Spike Duplicate | Sediment | GC/MS HHH | 06/23/15 | 06/24/15 19:53 | 150623S17 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| PCB018 | ND | 50.00 | 27.40 | 55 | 28.06 | 56 | 50-150 | 2 | 0-25 | |
| PCB028 | ND | 50.00 | 32.70 | 65 | 33.37 | 67 | 50-150 | 2 | 0-25 | |
| PCB044 | ND | 50.00 | 33.16 | 66 | 33.71 | 67 | 50-150 | 2 | 0-25 | |
| PCB052 | ND | 50.00 | 33.82 | 68 | 34.59 | 69 | 50-150 | 2 | 0-25 | |
| PCB066 | ND | 50.00 | 37.65 | 75 | 38.65 | 77 | 50-150 | 3 | 0-25 | |
| PCB077 | ND | 50.00 | 37.94 | 76 | 38.38 | 77 | 50-150 | 1 | 0-25 | |
| PCB101 | 0.4684 | 50.00 | 35.86 | 71 | 36.89 | 73 | 50-150 | 3 | 0-25 | |
| PCB105 | ND | 50.00 | 39.30 | 79 | 39.90 | 80 | 50-150 | 2 | 0-25 | |
| PCB118 | 0.4249 | 50.00 | 40.66 | 80 | 41.96 | 83 | 50-150 | 3 | 0-25 | |
| PCB126 | ND | 50.00 | 39.61 | 79 | 40.88 | 82 | 50-150 | 3 | 0-25 | |
| PCB128 | ND | 50.00 | 38.47 | 77 | 39.37 | 79 | 50-150 | 2 | 0-25 | |
| PCB170 | ND | 50.00 | 34.11 | 68 | 35.21 | 70 | 50-150 | 3 | 0-25 | |
| PCB180 | 0.4413 | 50.00 | 42.94 | 85 | 43.64 | 86 | 50-150 | 2 | 0-25 | |
| PCB187 | 0.2404 | 50.00 | 40.38 | 80 | 41.47 | 82 | 50-150 | 3 | 0-25 | |
| PCB206 | ND | 50.00 | 33.79 | 68 | 34.63 | 69 | 50-150 | 2 | 0-25 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 06/23/15
 Work Order: 15-06-1875
 Preparation: EPA 3550B (M)
 Method: Organotins by Krone et al.

Project: San Diego Shipyards- North

Page 5 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-13A-D-0535-150623 | Sample | Sediment | GC/MS Y | 06/23/15 | 06/24/15 17:04 | 150623S18 |
| SD-N-C-13A-D-0535-150623 | Matrix Spike | Sediment | GC/MS Y | 06/23/15 | 06/24/15 17:35 | 150623S18 |
| SD-N-C-13A-D-0535-150623 | Matrix Spike Duplicate | Sediment | GC/MS Y | 06/23/15 | 06/24/15 17:51 | 150623S18 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-------------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Tributyltin | 3.176 | 100.0 | 86.63 | 83 | 84.52 | 81 | 34-142 | 2 | 0-50 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - PDS

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 06/23/15
 Work Order: 15-06-1875
 Preparation: EPA 3050B
 Method: EPA 6020

Project: San Diego Shipyards- North

Page 1 of 1

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | PDS/PDSD Batch Number |
|---------------------------|--------|----------|------------|----------------|----------------|-----------------------|
| SD-N-C-13A-D-0535-150623 | Sample | Sediment | ICP/MS 03 | 06/24/15 00:00 | 06/24/15 12:46 | 150624S01 |
| SD-N-C-13A-D-0535-150623 | PDS | Sediment | ICP/MS 03 | 06/24/15 00:00 | 06/24/15 12:39 | 150624S01 |

| Parameter | Sample Conc. | Spike Added | PDS Conc. | PDS %Rec. | %Rec. CL | Qualifiers |
|-----------|--------------|-------------|-----------|-----------|----------|------------|
| Copper | 25.36 | 25.00 | 50.17 | 99 | 75-125 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Sample Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 06/23/15
 Work Order: 15-06-1875
 Preparation: N/A
 Method: SM 2540 B (M)

Project: San Diego Shipyards- North

Page 1 of 1

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | Duplicate Batch Number |
|---------------------------|------------------|----------|------------|----------------|----------------|------------------------|
| SD-N-C-13A-D-0535-150623 | Sample | Sediment | N/A | 06/24/15 00:00 | 06/24/15 17:30 | F0624TSD1 |
| SD-N-C-13A-D-0535-150623 | Sample Duplicate | Sediment | N/A | 06/24/15 00:00 | 06/24/15 17:30 | F0624TSD1 |

| Parameter | Sample Conc. | DUP Conc. | RPD | RPD CL | Qualifiers |
|---------------|--------------|-----------|-----|--------|------------|
| Solids, Total | 77.60 | 78.20 | 1 | 0-10 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 06/23/15
 Work Order: 15-06-1875
 Preparation: EPA 3050B
 Method: EPA 6020

Project: San Diego Shipyards- North

Page 1 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|------|--------|------------|---------------|----------------|-----------------------|
| 099-15-254-326 | LCS | Solid | ICP/MS 03 | 06/24/15 | 06/24/15 12:25 | 150624L01E |
| 099-15-254-326 | LCSD | Solid | ICP/MS 03 | 06/24/15 | 06/24/15 12:28 | 150624L01E |

| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|-------------|-----------|-----------|------------|------------|----------|-----|--------|------------|
| Copper | 25.00 | 26.34 | 105 | 26.36 | 105 | 80-120 | 0 | 0-20 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 06/23/15
Work Order: 15-06-1875
Preparation: EPA 7471A Total
Method: EPA 7471A

Project: San Diego Shipyards- North

Page 2 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number | | | |
|---------------------------|-------------|-----------|------------|---------------|----------------|-----------------------|-----|--------|------------|
| 099-16-278-144 | LCS | Solid | Mercury 05 | 06/23/15 | 06/24/15 15:43 | 150623L05E | | | |
| 099-16-278-144 | LCSD | Solid | Mercury 05 | 06/23/15 | 06/24/15 15:45 | 150623L05E | | | |
| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
| Mercury | 0.8350 | 0.8063 | 97 | 0.8254 | 99 | 82-124 | 2 | 0-16 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 06/23/15
Work Order: 15-06-1875
Preparation: EPA 3541
Method: EPA 8270C SIM PAHs

Project: San Diego Shipyards- North

Page 3 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number | | | |
|---------------------------|-------------|-----------|------------|---------------|----------------|-----------------------|-----|--------|------------|
| 099-14-097-165 | LCS | Solid | GC/MS AAA | 06/23/15 | 06/24/15 17:12 | 150623L16 | | | |
| 099-14-097-165 | LCSD | Solid | GC/MS AAA | 06/23/15 | 06/24/15 17:32 | 150623L16 | | | |
| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
| Benzo (a) Anthracene | 100.0 | 61.15 | 61 | 62.37 | 62 | 40-160 | 2 | 0-20 | |
| Benzo (a) Pyrene | 100.0 | 65.13 | 65 | 66.83 | 67 | 40-160 | 3 | 0-20 | |
| Chrysene | 100.0 | 63.03 | 63 | 64.23 | 64 | 40-160 | 2 | 0-20 | |
| Dibenz (a,h) Anthracene | 100.0 | 68.42 | 68 | 69.56 | 70 | 40-160 | 2 | 0-20 | |
| Fluoranthene | 100.0 | 62.65 | 63 | 63.78 | 64 | 40-160 | 2 | 0-20 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 06/23/15
Work Order: 15-06-1875
Preparation: EPA 3541
Method: EPA 8270C SIM PCB Congeners

Project: San Diego Shipyards- North

Page 4 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number | | | | |
|---------------------------|-------------|-----------|------------|---------------|----------------|-----------------------|--------|-----|--------|------------|
| 099-16-418-82 | LCS | Solid | GC/MS HHH | 06/23/15 | 06/24/15 20:19 | 150623L17 | | | | |
| 099-16-418-82 | LCSD | Solid | GC/MS HHH | 06/23/15 | 06/24/15 20:44 | 150623L17 | | | | |
| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | ME CL | RPD | RPD CL | Qualifiers |
| PCB018 | 50.00 | 31.87 | 64 | 32.55 | 65 | 50-150 | 33-167 | 2 | 0-25 | |
| PCB028 | 50.00 | 37.60 | 75 | 38.31 | 77 | 50-150 | 33-167 | 2 | 0-25 | |
| PCB044 | 50.00 | 38.25 | 76 | 38.46 | 77 | 50-150 | 33-167 | 1 | 0-25 | |
| PCB052 | 50.00 | 38.81 | 78 | 39.07 | 78 | 50-150 | 33-167 | 1 | 0-25 | |
| PCB066 | 50.00 | 43.94 | 88 | 44.20 | 88 | 50-150 | 33-167 | 1 | 0-25 | |
| PCB077 | 50.00 | 44.62 | 89 | 44.91 | 90 | 50-150 | 33-167 | 1 | 0-25 | |
| PCB101 | 50.00 | 41.83 | 84 | 41.41 | 83 | 50-150 | 33-167 | 1 | 0-25 | |
| PCB105 | 50.00 | 46.61 | 93 | 45.18 | 90 | 50-150 | 33-167 | 3 | 0-25 | |
| PCB118 | 50.00 | 48.01 | 96 | 47.05 | 94 | 50-150 | 33-167 | 2 | 0-25 | |
| PCB126 | 50.00 | 47.33 | 95 | 45.98 | 92 | 50-150 | 33-167 | 3 | 0-25 | |
| PCB128 | 50.00 | 47.49 | 95 | 44.65 | 89 | 50-150 | 33-167 | 6 | 0-25 | |
| PCB170 | 50.00 | 39.68 | 79 | 38.97 | 78 | 50-150 | 33-167 | 2 | 0-25 | |
| PCB180 | 50.00 | 52.43 | 105 | 48.16 | 96 | 50-150 | 33-167 | 8 | 0-25 | |
| PCB187 | 50.00 | 47.55 | 95 | 45.42 | 91 | 50-150 | 33-167 | 5 | 0-25 | |
| PCB206 | 50.00 | 40.05 | 80 | 41.45 | 83 | 50-150 | 33-167 | 3 | 0-25 | |

Total number of LCS compounds: 15

Total number of ME compounds: 0

Total number of ME compounds allowed: 1

LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 06/23/15
 Work Order: 15-06-1875
 Preparation: EPA 3550B (M)
 Method: Organotins by Krone et al.

Project: San Diego Shipyards- North

Page 5 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|------|--------|------------|---------------|----------------|-----------------------|
| 099-07-016-1287 | LCS | Solid | GC/MS Y | 06/23/15 | 06/24/15 16:17 | 150623L18 |
| 099-07-016-1287 | LCSD | Solid | GC/MS Y | 06/23/15 | 06/24/15 16:32 | 150623L18 |

| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-------------|-------------|-----------|-----------|------------|------------|----------|-----|--------|------------|
| Tributyltin | 100.0 | 81.53 | 82 | 95.01 | 95 | 33-147 | 15 | 0-20 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Glossary of Terms and Qualifiers

Work Order: 15-06-1875

Page 1 of 1

| <u>Qualifiers</u> | <u>Definition</u> |
|-------------------|---|
| * | See applicable analysis comment. |
| < | Less than the indicated value. |
| > | Greater than the indicated value. |
| 1 | Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification. |
| 2 | Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification. |
| 3 | Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control. |
| 4 | The MS/MSD RPD was out of control due to suspected matrix interference. |
| 5 | The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference. |
| 6 | Surrogate recovery below the acceptance limit. |
| 7 | Surrogate recovery above the acceptance limit. |
| B | Analyte was present in the associated method blank. |
| BU | Sample analyzed after holding time expired. |
| BV | Sample received after holding time expired. |
| CI | See case narrative. |
| E | Concentration exceeds the calibration range. |
| ET | Sample was extracted past end of recommended max. holding time. |
| HD | The chromatographic pattern was inconsistent with the profile of the reference fuel standard. |
| HDH | The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected). |
| HDL | The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected). |
| J | Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated. |
| JA | Analyte positively identified but quantitation is an estimate. |
| ME | LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean). |
| ND | Parameter not detected at the indicated reporting limit. |
| Q | Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater. |
| SG | The sample extract was subjected to Silica Gel treatment prior to analysis. |
| X | % Recovery and/or RPD out-of-range. |
| Z | Analyte presence was not confirmed by second column or GC/MS analysis. |
| | Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis. |
| | Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time. |
| | A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations. |

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: Anchor QEA

DATE: 06 / 23 / 2015

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)
Thermometer ID: SC2 (CF:-0.3°C); Temperature (w/o CF): 4.4 °C (w/ CF): 4.1 °C; [] Blank [x] Sample
[] Sample(s) outside temperature criteria (PM/APM contacted by: _____)
[] Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling
[] Sample(s) received at ambient temperature; placed on ice for transport by courier
Ambient Temperature: [] Air [] Filter
Checked by: 659

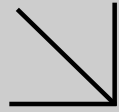
CUSTODY SEAL:
Cooler [] Present and Intact [] Present but Not Intact [x] Not Present [] N/A
Sample(s) [] Present and Intact [] Present but Not Intact [x] Not Present [] N/A
Checked by: 659

Table with columns: SAMPLE CONDITION, Yes, No, N/A. Rows include Chain-of-Custody (COC) document(s) received with samples, COC document(s) received complete, Sampler's name indicated on COC, Sample container label(s) consistent with COC, etc.

CONTAINER TYPE: (Trip Blank Lot Number: _____)
Aqueous: [] VOA [] VOA h [] VOA na2 [] 100PJ [] 100PJ na2 [] 125AGB [] 125AGB h [] 125AGB p [] 125PB
Solid: [] 4ozCGJ [x] 8ozCGJ [x] 16ozCGJ [] Sleeve () [] EnCores () [] TerraCores ()
Air: [] Tedlar [] Canister [] Sorbent Tube [] PUF [] Other Matrix (): [] []
Container: A = Amber, B = Bottle, C = Clear, E = Envelope, G = Glass, J = Jar, P = Plastic, and Z = Ziploc/Resealable Bag
Preservative: b = buffered, f = filtered, h = HCl, n = HNO3, na = NaOH, na2 = Na2S2O3, p = H3PO4, Labeled/Checked by: 659
s = H2SO4, u = ultra-pure, zнна = Zn(CH3CO2)2 + NaOH, Reviewed by: 82



Calscience



WORK ORDER NUMBER: 15-06-2147

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: ANCHOR QEA, LLC

Client Project Name: San Diego Shipyards- North

Attention: Adam Gale
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Approved for release on 07/02/2015 by:
Danielle Gonsman
Project Manager

ResultLink ▶

Email your PM ▶



Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

Contents

Client Project Name: San Diego Shipyards- North
 Work Order Number: 15-06-2147

| | | |
|---|--|----|
| 1 | Work Order Narrative. | 3 |
| 2 | Sample Summary. | 4 |
| 3 | Client Sample Data. | 5 |
| | 3.1 SM 2540 B (M) Total Solids (Solid). | 5 |
| | 3.2 EPA 6020 ICP/MS Metals (Solid). | 6 |
| | 3.3 EPA 7471A Mercury (Solid). | 7 |
| | 3.4 EPA 8270C SIM PAHs (Solid). | 8 |
| | 3.5 EPA 8270C SIM PCB Congeners (Solid). | 10 |
| | 3.6 Krone et al. Organotins (Solid). | 16 |
| 4 | Quality Control Sample Data. | 17 |
| | 4.1 MS/MSD. | 17 |
| | 4.2 PDS/PDSD. | 22 |
| | 4.3 Sample Duplicate. | 23 |
| | 4.4 LCS/LCSD. | 24 |
| 5 | Glossary of Terms and Qualifiers. | 29 |
| 6 | Chain-of-Custody/Sample Receipt Form. | 30 |

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 06/26/15. They were assigned to Work Order 15-06-2147.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of ≤ 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.



Calscience

Sample Summary

| | |
|------------------------------|--|
| Client: ANCHOR QEA, LLC | Work Order: 15-06-2147 |
| 27201 Puerta Real, Suite 350 | Project Name: San Diego Shipyards- North |
| Mission Viejo, CA 92691-8306 | PO Number: |
| | Date/Time Received: 06/26/15 18:00 |
| | Number of Containers: 4 |

Attn: Adam Gale

| Sample Identification | Lab Number | Collection Date and Time | Number of Containers | Matrix |
|-------------------------|--------------|--------------------------|----------------------|----------|
| SD-N-C-13-D-0005-150626 | 15-06-2147-1 | 06/26/15 08:12 | 1 | Sediment |
| SD-N-C-13-D-0535-150626 | 15-06-2147-2 | 06/26/15 08:12 | 1 | Sediment |
| SD-N-C-11-D-0005-150626 | 15-06-2147-3 | 06/26/15 09:00 | 1 | Sediment |
| SD-N-C-11-D-0535-150626 | 15-06-2147-4 | 06/26/15 09:00 | 1 | Sediment |

Return to Contents



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 06/26/15
Work Order: 15-06-2147
Preparation: N/A
Method: SM 2540 B (M)
Units: %

Project: San Diego Shipyards- North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------------|------------------------|---------------------------|-----------------|------------|-----------------|---------------------------|-------------------|
| SD-N-C-13-D-0535-150626 | 15-06-2147-2-AA | 06/26/15 08:12 | Sediment | N/A | 06/26/15 | 06/27/15 14:00 | F0627TSB1 |
| <u>Parameter</u> | | <u>Result</u> | <u>RL</u> | | <u>DF</u> | | <u>Qualifiers</u> |
| Solids, Total | | 63.0 | 0.100 | | 1.00 | | |
| SD-N-C-11-D-0535-150626 | 15-06-2147-4-AA | 06/26/15 09:00 | Sediment | N/A | 06/26/15 | 06/27/15 14:00 | F0627TSB1 |
| <u>Parameter</u> | | <u>Result</u> | <u>RL</u> | | <u>DF</u> | | <u>Qualifiers</u> |
| Solids, Total | | 77.8 | 0.100 | | 1.00 | | |
| Method Blank | 099-05-019-2944 | N/A | Solid | N/A | 06/26/15 | 06/27/15 14:00 | F0627TSB1 |
| <u>Parameter</u> | | <u>Result</u> | <u>RL</u> | | <u>DF</u> | | <u>Qualifiers</u> |
| Solids, Total | | ND | 0.100 | | 1.00 | | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 06/26/15
Work Order: 15-06-2147
Preparation: EPA 3050B
Method: EPA 6020
Units: mg/kg

Project: San Diego Shipyards- North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-13-D-0535-150626 | 15-06-2147-2-AA | 06/26/15 08:12 | Sediment | ICP/MS 03 | 06/26/15 | 06/29/15 12:12 | 150626L01E |

Comment(s): - Results are reported on a dry weight basis.
- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|-------|--------|------|------------|
| Copper | 215 | 0.159 | 0.0665 | 1.00 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-11-D-0535-150626 | 15-06-2147-4-AA | 06/26/15 09:00 | Sediment | ICP/MS 03 | 06/26/15 | 06/29/15 12:15 | 150626L01E |

Comment(s): - Results are reported on a dry weight basis.
- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|-------|--------|------|------------|
| Copper | 10.9 | 0.129 | 0.0539 | 1.00 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-15-254-327 | N/A | Solid | ICP/MS 03 | 06/26/15 | 06/26/15 16:31 | 150626L01E |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|-------|--------|------|------------|
| Copper | ND | 0.100 | 0.0419 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 06/26/15
Work Order: 15-06-2147
Preparation: EPA 7471A Total
Method: EPA 7471A
Units: mg/kg

Project: San Diego Shipyards- North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-13-D-0535-150626 | 15-06-2147-2-AA | 06/26/15 08:12 | Sediment | Mercury 05 | 06/26/15 | 06/26/15 20:08 | 150626L03E |

Comment(s): - Results are reported on a dry weight basis.
- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|--------|---------|------|------------|
| Mercury | 0.438 | 0.0323 | 0.00948 | 1.00 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-11-D-0535-150626 | 15-06-2147-4-AA | 06/26/15 09:00 | Sediment | Mercury 05 | 06/26/15 | 06/26/15 20:10 | 150626L03E |

Comment(s): - Results are reported on a dry weight basis.
- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|--------|---------|------|------------|
| Mercury | ND | 0.0257 | 0.00755 | 1.00 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-16-278-145 | N/A | Solid | Mercury 05 | 06/26/15 | 06/26/15 19:07 | 150626L03E |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|--------|---------|------|------------|
| Mercury | ND | 0.0200 | 0.00587 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 06/26/15
Work Order: 15-06-2147
Preparation: EPA 3541
Method: EPA 8270C SIM PAHs
Units: ug/kg

Project: San Diego Shipyards- North

Page 1 of 2

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-13-D-0535-150626 | 15-06-2147-2-AA | 06/26/15 08:12 | Sediment | GC/MS AAA | 06/26/15 | 06/29/15 18:16 | 150626L22 |

Comment(s): - Results are reported on a dry weight basis.

- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-------------------------|--------|----|-----|------|------------|
| Benzo (a) Anthracene | 140 | 79 | 17 | 5.00 | |
| Benzo (a) Pyrene | 540 | 79 | 14 | 5.00 | |
| Chrysene | 210 | 79 | 18 | 5.00 | |
| Dibenz (a,h) Anthracene | 130 | 79 | 15 | 5.00 | |
| Fluoranthene | 210 | 79 | 14 | 5.00 | |
| Perylene | 84 | 79 | 19 | 5.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|------------------|----------|----------------|------------|
| 2-Fluorobiphenyl | 48 | 14-146 | |
| Nitrobenzene-d5 | 44 | 18-162 | |
| p-Terphenyl-d14 | 58 | 34-148 | |

| SD-N-C-11-D-0535-150626 | 15-06-2147-4-AA | 06/26/15 09:00 | Sediment | GC/MS AAA | 06/26/15 | 06/29/15 17:55 | 150626L22 |
|-------------------------|-----------------|-------------------|----------|-----------|----------|-------------------|-----------|
|-------------------------|-----------------|-------------------|----------|-----------|----------|-------------------|-----------|

Comment(s): - Results are reported on a dry weight basis.

- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-------------------------|--------|----|-----|------|------------|
| Benzo (a) Anthracene | ND | 13 | 2.8 | 1.00 | |
| Benzo (a) Pyrene | ND | 13 | 2.4 | 1.00 | |
| Chrysene | ND | 13 | 2.9 | 1.00 | |
| Dibenz (a,h) Anthracene | ND | 13 | 2.5 | 1.00 | |
| Fluoranthene | ND | 13 | 2.4 | 1.00 | |
| Perylene | ND | 13 | 3.1 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|------------------|----------|----------------|------------|
| 2-Fluorobiphenyl | 57 | 14-146 | |
| Nitrobenzene-d5 | 59 | 18-162 | |
| p-Terphenyl-d14 | 60 | 34-148 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 06/26/15
Work Order: 15-06-2147
Preparation: EPA 3541
Method: EPA 8270C SIM PAHs
Units: ug/kg

Project: San Diego Shipyards- North

Page 2 of 2

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-----------------------|---------------------|--------------|------------------|-----------------|---------------------------|------------------|
| Method Blank | 099-14-097-166 | N/A | Solid | GC/MS AAA | 06/26/15 | 06/29/15 17:35 | 150626L22 |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|-------------------------|---------------|-----------|------------|-----------|-------------------|
| Benzo (a) Anthracene | ND | 10 | 2.2 | 1.00 | |
| Benzo (a) Pyrene | ND | 10 | 1.8 | 1.00 | |
| Chrysene | ND | 10 | 2.2 | 1.00 | |
| Dibenz (a,h) Anthracene | ND | 10 | 2.0 | 1.00 | |
| Fluoranthene | ND | 10 | 1.8 | 1.00 | |
| Perylene | ND | 10 | 2.4 | 1.00 | |

| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> |
|------------------|-----------------|-----------------------|-------------------|
| 2-Fluorobiphenyl | 63 | 14-146 | |
| Nitrobenzene-d5 | 64 | 18-162 | |
| p-Terphenyl-d14 | 65 | 34-148 | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 06/26/15
Work Order: 15-06-2147
Preparation: EPA 3541
Method: EPA 8270C SIM PCB Congeners
Units: ug/kg

Project: San Diego Shipyards- North

Page 1 of 6

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-13-D-0535-150626 | 15-06-2147-2-AA | 06/26/15 08:12 | Sediment | GC/MS HHH | 06/30/15 | 07/01/15 14:08 | 150630L11 |

Comment(s): - Results are reported on a dry weight basis.

- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|------------|--------|------|-------|------|------------|
| PCB018 | 8.2 | 0.32 | 0.11 | 1.00 | |
| PCB028 | 6.7 | 0.32 | 0.053 | 1.00 | |
| PCB037 | ND | 0.32 | 0.096 | 1.00 | |
| PCB044 | 9.9 | 0.32 | 0.14 | 1.00 | |
| PCB049 | 13 | 0.32 | 0.18 | 1.00 | |
| PCB052 | 16 | 0.32 | 0.10 | 1.00 | |
| PCB066 | 14 | 0.32 | 0.16 | 1.00 | |
| PCB070 | 13 | 0.32 | 0.095 | 1.00 | |
| PCB074 | 6.8 | 0.32 | 0.14 | 1.00 | |
| PCB077 | ND | 0.32 | 0.12 | 1.00 | |
| PCB081 | ND | 0.32 | 0.19 | 1.00 | |
| PCB087 | 9.1 | 0.32 | 0.17 | 1.00 | |
| PCB099 | 13 | 0.32 | 0.097 | 1.00 | |
| PCB101 | 28 | 0.32 | 0.16 | 1.00 | |
| PCB105 | 11 | 0.32 | 0.087 | 1.00 | |
| PCB110 | 23 | 0.32 | 0.073 | 1.00 | |
| PCB114 | ND | 0.32 | 0.13 | 1.00 | |
| PCB118 | 24 | 0.32 | 0.13 | 1.00 | |
| PCB119 | ND | 0.32 | 0.15 | 1.00 | |
| PCB123 | ND | 0.32 | 0.17 | 1.00 | |
| PCB126 | ND | 0.32 | 0.13 | 1.00 | |
| PCB128 | 5.3 | 0.32 | 0.16 | 1.00 | |
| PCB132/153 | 46 | 0.64 | 0.28 | 1.00 | |
| PCB138/158 | 34 | 0.64 | 0.15 | 1.00 | |
| PCB149 | 24 | 0.32 | 0.16 | 1.00 | |
| PCB151 | 7.8 | 0.32 | 0.11 | 1.00 | |
| PCB156 | 3.1 | 0.32 | 0.092 | 1.00 | |
| PCB157 | ND | 0.32 | 0.083 | 1.00 | |
| PCB167 | ND | 0.32 | 0.098 | 1.00 | |
| PCB168 | ND | 0.32 | 0.078 | 1.00 | |
| PCB169 | ND | 0.32 | 0.097 | 1.00 | |
| PCB170 | 10 | 0.32 | 0.10 | 1.00 | |
| PCB177 | 5.2 | 0.32 | 0.14 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 06/26/15
 Work Order: 15-06-2147
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyards- North

Page 2 of 6

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|-----------------|-----------------------|-------------------|-----------|-------------------|
| PCB180 | 22 | 0.32 | 0.067 | 1.00 | |
| PCB183 | 5.2 | 0.32 | 0.18 | 1.00 | |
| PCB187 | 14 | 0.32 | 0.13 | 1.00 | |
| PCB189 | ND | 0.32 | 0.097 | 1.00 | |
| PCB194 | 5.3 | 0.32 | 0.18 | 1.00 | |
| PCB201 | 0.83 | 0.32 | 0.15 | 1.00 | |
| PCB206 | 3.0 | 0.32 | 0.31 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | | |
| 2-Fluorobiphenyl | 79 | 50-150 | | | |
| p-Terphenyl-d14 | 82 | 50-150 | | | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 06/26/15
Work Order: 15-06-2147
Preparation: EPA 3541
Method: EPA 8270C SIM PCB Congeners
Units: ug/kg

Project: San Diego Shipyards- North

Page 3 of 6

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-11-D-0535-150626 | 15-06-2147-4-AA | 06/26/15 09:00 | Sediment | GC/MS HHH | 06/30/15 | 07/01/15 14:35 | 150630L11 |

Comment(s): - Results are reported on a dry weight basis.

- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|------------|--------|------|-------|------|------------|
| PCB018 | ND | 0.26 | 0.091 | 1.00 | |
| PCB028 | ND | 0.26 | 0.043 | 1.00 | |
| PCB037 | ND | 0.26 | 0.077 | 1.00 | |
| PCB044 | ND | 0.26 | 0.11 | 1.00 | |
| PCB049 | ND | 0.26 | 0.14 | 1.00 | |
| PCB052 | ND | 0.26 | 0.080 | 1.00 | |
| PCB066 | ND | 0.26 | 0.13 | 1.00 | |
| PCB070 | ND | 0.26 | 0.076 | 1.00 | |
| PCB074 | ND | 0.26 | 0.11 | 1.00 | |
| PCB077 | ND | 0.26 | 0.099 | 1.00 | |
| PCB081 | ND | 0.26 | 0.15 | 1.00 | |
| PCB087 | ND | 0.26 | 0.14 | 1.00 | |
| PCB099 | ND | 0.26 | 0.078 | 1.00 | |
| PCB101 | ND | 0.26 | 0.13 | 1.00 | |
| PCB105 | ND | 0.26 | 0.070 | 1.00 | |
| PCB110 | ND | 0.26 | 0.059 | 1.00 | |
| PCB114 | ND | 0.26 | 0.10 | 1.00 | |
| PCB118 | ND | 0.26 | 0.11 | 1.00 | |
| PCB119 | ND | 0.26 | 0.12 | 1.00 | |
| PCB123 | ND | 0.26 | 0.13 | 1.00 | |
| PCB126 | ND | 0.26 | 0.10 | 1.00 | |
| PCB128 | ND | 0.26 | 0.13 | 1.00 | |
| PCB132/153 | ND | 0.51 | 0.22 | 1.00 | |
| PCB138/158 | ND | 0.51 | 0.12 | 1.00 | |
| PCB149 | ND | 0.26 | 0.12 | 1.00 | |
| PCB151 | ND | 0.26 | 0.086 | 1.00 | |
| PCB156 | ND | 0.26 | 0.074 | 1.00 | |
| PCB157 | ND | 0.26 | 0.067 | 1.00 | |
| PCB167 | ND | 0.26 | 0.079 | 1.00 | |
| PCB168 | ND | 0.26 | 0.062 | 1.00 | |
| PCB169 | ND | 0.26 | 0.078 | 1.00 | |
| PCB170 | ND | 0.26 | 0.081 | 1.00 | |
| PCB177 | ND | 0.26 | 0.11 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 06/26/15
 Work Order: 15-06-2147
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyards- North

Page 4 of 6

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|-----------------|-----------------------|-------------------|-----------|-------------------|
| PCB180 | ND | 0.26 | 0.054 | 1.00 | |
| PCB183 | ND | 0.26 | 0.14 | 1.00 | |
| PCB187 | ND | 0.26 | 0.11 | 1.00 | |
| PCB189 | ND | 0.26 | 0.078 | 1.00 | |
| PCB194 | ND | 0.26 | 0.14 | 1.00 | |
| PCB201 | ND | 0.26 | 0.12 | 1.00 | |
| PCB206 | ND | 0.26 | 0.25 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | | |
| 2-Fluorobiphenyl | 67 | 50-150 | | | |
| p-Terphenyl-d14 | 67 | 50-150 | | | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 06/26/15
Work Order: 15-06-2147
Preparation: EPA 3541
Method: EPA 8270C SIM PCB Congeners
Units: ug/kg

Project: San Diego Shipyards- North

Page 5 of 6

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-16-418-84 | N/A | Solid | GC/MS HHH | 06/30/15 | 07/01/15 13:43 | 150630L11 |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|------------|--------|------|-------|------|------------|
| PCB018 | ND | 0.20 | 0.071 | 1.00 | |
| PCB028 | ND | 0.20 | 0.034 | 1.00 | |
| PCB037 | ND | 0.20 | 0.060 | 1.00 | |
| PCB044 | ND | 0.20 | 0.087 | 1.00 | |
| PCB049 | ND | 0.20 | 0.11 | 1.00 | |
| PCB052 | ND | 0.20 | 0.063 | 1.00 | |
| PCB066 | ND | 0.20 | 0.10 | 1.00 | |
| PCB070 | ND | 0.20 | 0.060 | 1.00 | |
| PCB074 | ND | 0.20 | 0.087 | 1.00 | |
| PCB077 | ND | 0.20 | 0.078 | 1.00 | |
| PCB081 | ND | 0.20 | 0.12 | 1.00 | |
| PCB087 | ND | 0.20 | 0.11 | 1.00 | |
| PCB099 | ND | 0.20 | 0.061 | 1.00 | |
| PCB101 | ND | 0.20 | 0.098 | 1.00 | |
| PCB105 | ND | 0.20 | 0.055 | 1.00 | |
| PCB110 | ND | 0.20 | 0.046 | 1.00 | |
| PCB114 | ND | 0.20 | 0.082 | 1.00 | |
| PCB118 | ND | 0.20 | 0.084 | 1.00 | |
| PCB119 | ND | 0.20 | 0.094 | 1.00 | |
| PCB123 | ND | 0.20 | 0.10 | 1.00 | |
| PCB126 | ND | 0.20 | 0.080 | 1.00 | |
| PCB128 | ND | 0.20 | 0.10 | 1.00 | |
| PCB132/153 | ND | 0.40 | 0.17 | 1.00 | |
| PCB138/158 | ND | 0.40 | 0.094 | 1.00 | |
| PCB149 | ND | 0.20 | 0.098 | 1.00 | |
| PCB151 | ND | 0.20 | 0.067 | 1.00 | |
| PCB156 | ND | 0.20 | 0.058 | 1.00 | |
| PCB157 | ND | 0.20 | 0.052 | 1.00 | |
| PCB167 | ND | 0.20 | 0.062 | 1.00 | |
| PCB168 | ND | 0.20 | 0.049 | 1.00 | |
| PCB169 | ND | 0.20 | 0.061 | 1.00 | |
| PCB170 | ND | 0.20 | 0.063 | 1.00 | |
| PCB177 | ND | 0.20 | 0.087 | 1.00 | |
| PCB180 | ND | 0.20 | 0.042 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 06/26/15
 Work Order: 15-06-2147
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyards- North

Page 6 of 6

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|-----------------|-----------------------|-------------------|-----------|-------------------|
| PCB183 | ND | 0.20 | 0.11 | 1.00 | |
| PCB187 | ND | 0.20 | 0.084 | 1.00 | |
| PCB189 | ND | 0.20 | 0.061 | 1.00 | |
| PCB194 | ND | 0.20 | 0.11 | 1.00 | |
| PCB201 | ND | 0.20 | 0.097 | 1.00 | |
| PCB206 | ND | 0.20 | 0.19 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | | |
| 2-Fluorobiphenyl | 64 | 50-150 | | | |
| p-Terphenyl-d14 | 62 | 50-150 | | | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 06/26/15
Work Order: 15-06-2147
Preparation: EPA 3550B (M)
Method: Organotins by Krone et al.
Units: ug/kg

Project: San Diego Shipyards- North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-13-D-0535-150626 | 15-06-2147-2-AA | 06/26/15 08:12 | Sediment | GC/MS Y | 06/26/15 | 06/29/15 11:54 | 150626L23 |

Comment(s): - Results are reported on a dry weight basis.
- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|--------------|----------|----------------|------------|------|------------|
| Tributyltin | 110 | 4.7 | 2.3 | 1.00 | |
| Surrogate | Rec. (%) | Control Limits | Qualifiers | | |
| Tripentyltin | 101 | 27-135 | | | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-11-D-0535-150626 | 15-06-2147-4-AA | 06/26/15 09:00 | Sediment | GC/MS Y | 06/26/15 | 06/29/15 12:10 | 150626L23 |

Comment(s): - Results are reported on a dry weight basis.
- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|--------------|----------|----------------|------------|------|------------|
| Tributyltin | ND | 3.9 | 1.9 | 1.00 | |
| Surrogate | Rec. (%) | Control Limits | Qualifiers | | |
| Tripentyltin | 83 | 27-135 | | | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-07-016-1288 | N/A | Solid | GC/MS Y | 06/26/15 | 06/29/15 11:38 | 150626L23 |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|--------------|----------|----------------|------------|------|------------|
| Tributyltin | ND | 3.0 | 1.5 | 1.00 | |
| Surrogate | Rec. (%) | Control Limits | Qualifiers | | |
| Tripentyltin | 98 | 27-135 | | | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 06/26/15
 Work Order: 15-06-2147
 Preparation: EPA 3050B
 Method: EPA 6020

Project: San Diego Shipyards- North

Page 1 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|--------|------------|---------------|----------------|---------------------|
| 15-06-1969-1 | Sample | Solid | ICP/MS 03 | 06/26/15 | 06/26/15 15:30 | 150626S01 |
| 15-06-1969-1 | Matrix Spike | Solid | ICP/MS 03 | 06/26/15 | 06/26/15 15:16 | 150626S01 |
| 15-06-1969-1 | Matrix Spike Duplicate | Solid | ICP/MS 03 | 06/26/15 | 06/26/15 15:19 | 150626S01 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Copper | 12.46 | 25.00 | 38.08 | 102 | 38.88 | 106 | 25-157 | 2 | 0-22 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 06/26/15
Work Order: 15-06-2147
Preparation: EPA 7471A Total
Method: EPA 7471A

Project: San Diego Shipyards- North

Page 2 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|--------|------------|---------------|----------------|---------------------|
| 15-06-2052-1 | Sample | Solid | Mercury 05 | 06/26/15 | 06/26/15 19:20 | 150626S03 |
| 15-06-2052-1 | Matrix Spike | Solid | Mercury 05 | 06/26/15 | 06/26/15 19:23 | 150626S03 |
| 15-06-2052-1 | Matrix Spike Duplicate | Solid | Mercury 05 | 06/26/15 | 06/26/15 19:25 | 150626S03 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Mercury | ND | 0.8350 | 1.094 | 131 | 0.8547 | 102 | 71-137 | 25 | 0-14 | 4 |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 06/26/15
Work Order: 15-06-2147
Preparation: EPA 3541
Method: EPA 8270C SIM PAHs

Project: San Diego Shipyards- North

Page 3 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-11-D-0535-150626 | Sample | Sediment | GC/MS AAA | 06/26/15 | 06/29/15 17:55 | 150626S22 |
| SD-N-C-11-D-0535-150626 | Matrix Spike | Sediment | GC/MS AAA | 06/26/15 | 06/29/15 16:55 | 150626S22 |
| SD-N-C-11-D-0535-150626 | Matrix Spike Duplicate | Sediment | GC/MS AAA | 06/26/15 | 06/29/15 17:15 | 150626S22 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-------------------------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Benzo (a) Anthracene | ND | 100.0 | 58.97 | 59 | 60.60 | 61 | 40-160 | 3 | 0-20 | |
| Benzo (a) Pyrene | ND | 100.0 | 61.77 | 62 | 64.85 | 65 | 40-160 | 5 | 0-20 | |
| Chrysene | ND | 100.0 | 58.88 | 59 | 60.58 | 61 | 40-160 | 3 | 0-20 | |
| Dibenz (a,h) Anthracene | ND | 100.0 | 62.00 | 62 | 65.19 | 65 | 40-160 | 5 | 0-20 | |
| Fluoranthene | ND | 100.0 | 58.02 | 58 | 60.90 | 61 | 40-160 | 5 | 0-20 | |


 Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 06/26/15
Work Order: 15-06-2147
Preparation: EPA 3541
Method: EPA 8270C SIM PCB Congeners

Project: San Diego Shipyards- North

Page 4 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| 15-06-2093-18 | Sample | Sediment | GC/MS HHH | 06/30/15 | 07/01/15 15:28 | 150630S11A |
| 15-06-2093-18 | Matrix Spike | Sediment | GC/MS HHH | 06/30/15 | 07/01/15 17:38 | 150630S11A |
| 15-06-2093-18 | Matrix Spike Duplicate | Sediment | GC/MS HHH | 06/30/15 | 07/01/15 18:05 | 150630S11A |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| PCB018 | ND | 50.00 | 35.09 | 70 | 36.85 | 74 | 50-150 | 5 | 0-25 | |
| PCB028 | ND | 50.00 | 37.52 | 75 | 39.00 | 78 | 50-150 | 4 | 0-25 | |
| PCB044 | ND | 50.00 | 35.59 | 71 | 37.68 | 75 | 50-150 | 6 | 0-25 | |
| PCB052 | ND | 50.00 | 35.60 | 71 | 35.93 | 72 | 50-150 | 1 | 0-25 | |
| PCB066 | ND | 50.00 | 43.58 | 87 | 46.19 | 92 | 50-150 | 6 | 0-25 | |
| PCB077 | ND | 50.00 | 43.54 | 87 | 43.88 | 88 | 50-150 | 1 | 0-25 | |
| PCB101 | 0.4570 | 50.00 | 37.08 | 73 | 39.16 | 77 | 50-150 | 5 | 0-25 | |
| PCB105 | ND | 50.00 | 46.90 | 94 | 48.66 | 97 | 50-150 | 4 | 0-25 | |
| PCB118 | ND | 50.00 | 46.31 | 93 | 49.27 | 99 | 50-150 | 6 | 0-25 | |
| PCB126 | ND | 50.00 | 47.73 | 95 | 50.87 | 102 | 50-150 | 6 | 0-25 | |
| PCB128 | ND | 50.00 | 44.76 | 90 | 47.61 | 95 | 50-150 | 6 | 0-25 | |
| PCB170 | ND | 50.00 | 42.94 | 86 | 44.32 | 89 | 50-150 | 3 | 0-25 | |
| PCB180 | ND | 50.00 | 53.65 | 107 | 56.78 | 114 | 50-150 | 6 | 0-25 | |
| PCB187 | ND | 50.00 | 46.85 | 94 | 49.14 | 98 | 50-150 | 5 | 0-25 | |
| PCB206 | ND | 50.00 | 46.16 | 92 | 48.24 | 96 | 50-150 | 4 | 0-25 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 06/26/15
Work Order: 15-06-2147
Preparation: EPA 3550B (M)
Method: Organotins by Krone et al.

Project: San Diego Shipyards- North

Page 5 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-11-D-0535-150626 | Sample | Sediment | GC/MS Y | 06/26/15 | 06/29/15 12:10 | 150626S23 |
| SD-N-C-11-D-0535-150626 | Matrix Spike | Sediment | GC/MS Y | 06/26/15 | 06/29/15 12:26 | 150626S23 |
| SD-N-C-11-D-0535-150626 | Matrix Spike Duplicate | Sediment | GC/MS Y | 06/26/15 | 06/29/15 12:42 | 150626S23 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-------------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Tributyltin | ND | 100.0 | 85.85 | 86 | 89.51 | 90 | 34-142 | 4 | 0-50 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - PDS

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 06/26/15
 Work Order: 15-06-2147
 Preparation: EPA 3050B
 Method: EPA 6020

Project: San Diego Shipyards- North

Page 1 of 1

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | PDS/PDSD Batch Number |
|---------------------------|---------------------|--------------------|------------------|------------------|-----------------|-----------------------|
| 15-06-1969-1 | Sample | Solid | ICP/MS 03 | 06/26/15 00:00 | 06/26/15 15:30 | 150626S01 |
| 15-06-1969-1 | PDS | Solid | ICP/MS 03 | 06/26/15 00:00 | 06/26/15 15:23 | 150626S01 |
| <u>Parameter</u> | <u>Sample Conc.</u> | <u>Spike Added</u> | <u>PDS Conc.</u> | <u>PDS %Rec.</u> | <u>%Rec. CL</u> | <u>Qualifiers</u> |
| Copper | 12.46 | 25.00 | 39.11 | 107 | 75-125 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Sample Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 06/26/15
 Work Order: 15-06-2147
 Preparation: N/A
 Method: SM 2540 B (M)

Project: San Diego Shipyards- North

Page 1 of 1

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | Duplicate Batch Number |
|---------------------------|------------------|----------|------------|----------------|----------------|------------------------|
| SD-N-C-13-D-0535-150626 | Sample | Sediment | N/A | 06/26/15 00:00 | 06/27/15 14:00 | F0627TSD1 |
| SD-N-C-13-D-0535-150626 | Sample Duplicate | Sediment | N/A | 06/26/15 00:00 | 06/27/15 14:00 | F0627TSD1 |

| Parameter | Sample Conc. | DUP Conc. | RPD | RPD CL | Qualifiers |
|---------------|--------------|-----------|-----|--------|------------|
| Solids, Total | 63.00 | 59.80 | 5 | 0-10 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 06/26/15
 Work Order: 15-06-2147
 Preparation: EPA 3050B
 Method: EPA 6020

Project: San Diego Shipyards- North

Page 1 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number | | | |
|---------------------------|-------------|-----------|------------|---------------|----------------|-----------------------|-----|--------|------------|
| 099-15-254-327 | LCS | Solid | ICP/MS 03 | 06/26/15 | 06/26/15 16:34 | 150626L01E | | | |
| 099-15-254-327 | LCSD | Solid | ICP/MS 03 | 06/26/15 | 06/29/15 13:04 | 150626L01E | | | |
| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
| Copper | 25.00 | 26.68 | 107 | 27.93 | 112 | 80-120 | 5 | 0-20 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 06/26/15
Work Order: 15-06-2147
Preparation: EPA 7471A Total
Method: EPA 7471A

Project: San Diego Shipyards- North

Page 2 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number | | | |
|---------------------------|-------------|-----------|------------|---------------|----------------|-----------------------|-----|--------|------------|
| 099-16-278-145 | LCS | Solid | Mercury 05 | 06/26/15 | 06/26/15 19:10 | 150626L03E | | | |
| 099-16-278-145 | LCSD | Solid | Mercury 05 | 06/26/15 | 06/29/15 13:15 | 150626L03E | | | |
| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
| Mercury | 0.8350 | 0.9417 | 113 | 0.8436 | 101 | 82-124 | 11 | 0-16 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 06/26/15
Work Order: 15-06-2147
Preparation: EPA 3541
Method: EPA 8270C SIM PAHs

Project: San Diego Shipyards- North

Page 3 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number | | | |
|---------------------------|-------------|-----------|------------|---------------|----------------|-----------------------|-----|--------|------------|
| 099-14-097-166 | LCS | Solid | GC/MS AAA | 06/26/15 | 06/29/15 16:14 | 150626L22 | | | |
| 099-14-097-166 | LCSD | Solid | GC/MS AAA | 06/26/15 | 06/29/15 16:35 | 150626L22 | | | |
| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
| Benzo (a) Anthracene | 100.0 | 55.56 | 56 | 55.96 | 56 | 40-160 | 1 | 0-20 | |
| Benzo (a) Pyrene | 100.0 | 58.88 | 59 | 59.19 | 59 | 40-160 | 1 | 0-20 | |
| Chrysene | 100.0 | 56.64 | 57 | 58.02 | 58 | 40-160 | 2 | 0-20 | |
| Dibenz (a,h) Anthracene | 100.0 | 59.58 | 60 | 59.01 | 59 | 40-160 | 1 | 0-20 | |
| Fluoranthene | 100.0 | 54.17 | 54 | 54.94 | 55 | 40-160 | 1 | 0-20 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 06/26/15
Work Order: 15-06-2147
Preparation: EPA 3541
Method: EPA 8270C SIM PCB Congeners

Project: San Diego Shipyards- North

Page 4 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number | | | | |
|---------------------------|-------------|-----------|------------|---------------|----------------|-----------------------|--------|-----|--------|------------|
| 099-16-418-84 | LCS | Solid | GC/MS HHH | 06/30/15 | 07/01/15 12:25 | 150630L11 | | | | |
| 099-16-418-84 | LCSD | Solid | GC/MS HHH | 06/30/15 | 07/01/15 12:51 | 150630L11 | | | | |
| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | ME CL | RPD | RPD CL | Qualifiers |
| PCB018 | 50.00 | 32.61 | 65 | 33.43 | 67 | 50-150 | 33-167 | 2 | 0-25 | |
| PCB028 | 50.00 | 35.18 | 70 | 35.91 | 72 | 50-150 | 33-167 | 2 | 0-25 | |
| PCB044 | 50.00 | 34.12 | 68 | 35.09 | 70 | 50-150 | 33-167 | 3 | 0-25 | |
| PCB052 | 50.00 | 32.09 | 64 | 32.62 | 65 | 50-150 | 33-167 | 2 | 0-25 | |
| PCB066 | 50.00 | 41.38 | 83 | 42.18 | 84 | 50-150 | 33-167 | 2 | 0-25 | |
| PCB077 | 50.00 | 36.25 | 73 | 37.21 | 74 | 50-150 | 33-167 | 3 | 0-25 | |
| PCB101 | 50.00 | 33.57 | 67 | 34.23 | 68 | 50-150 | 33-167 | 2 | 0-25 | |
| PCB105 | 50.00 | 37.48 | 75 | 38.28 | 77 | 50-150 | 33-167 | 2 | 0-25 | |
| PCB118 | 50.00 | 38.97 | 78 | 40.18 | 80 | 50-150 | 33-167 | 3 | 0-25 | |
| PCB126 | 50.00 | 36.73 | 73 | 37.41 | 75 | 50-150 | 33-167 | 2 | 0-25 | |
| PCB128 | 50.00 | 34.25 | 68 | 34.50 | 69 | 50-150 | 33-167 | 1 | 0-25 | |
| PCB170 | 50.00 | 38.02 | 76 | 38.99 | 78 | 50-150 | 33-167 | 3 | 0-25 | |
| PCB180 | 50.00 | 36.95 | 74 | 37.71 | 75 | 50-150 | 33-167 | 2 | 0-25 | |
| PCB187 | 50.00 | 34.93 | 70 | 36.06 | 72 | 50-150 | 33-167 | 3 | 0-25 | |
| PCB206 | 50.00 | 37.29 | 75 | 37.38 | 75 | 50-150 | 33-167 | 0 | 0-25 | |

Total number of LCS compounds: 15

Total number of ME compounds: 0

Total number of ME compounds allowed: 1

LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 06/26/15
Work Order: 15-06-2147
Preparation: EPA 3550B (M)
Method: Organotins by Krone et al.

Project: San Diego Shipyards- North

Page 5 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number | | | |
|---------------------------|-------------|-----------|------------|---------------|----------------|-----------------------|-----|--------|------------|
| 099-07-016-1288 | LCS | Solid | GC/MS Y | 06/26/15 | 06/29/15 11:07 | 150626L23 | | | |
| 099-07-016-1288 | LCSD | Solid | GC/MS Y | 06/26/15 | 06/29/15 11:22 | 150626L23 | | | |
| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
| Tributyltin | 100.0 | 98.76 | 99 | 104.3 | 104 | 33-147 | 6 | 0-20 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Glossary of Terms and Qualifiers

Work Order: 15-06-2147

Page 1 of 1

| <u>Qualifiers</u> | <u>Definition</u> |
|-------------------|---|
| * | See applicable analysis comment. |
| < | Less than the indicated value. |
| > | Greater than the indicated value. |
| 1 | Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification. |
| 2 | Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification. |
| 3 | Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control. |
| 4 | The MS/MSD RPD was out of control due to suspected matrix interference. |
| 5 | The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference. |
| 6 | Surrogate recovery below the acceptance limit. |
| 7 | Surrogate recovery above the acceptance limit. |
| B | Analyte was present in the associated method blank. |
| BU | Sample analyzed after holding time expired. |
| BV | Sample received after holding time expired. |
| CI | See case narrative. |
| E | Concentration exceeds the calibration range. |
| ET | Sample was extracted past end of recommended max. holding time. |
| HD | The chromatographic pattern was inconsistent with the profile of the reference fuel standard. |
| HDH | The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected). |
| HDL | The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected). |
| J | Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated. |
| JA | Analyte positively identified but quantitation is an estimate. |
| ME | LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean). |
| ND | Parameter not detected at the indicated reporting limit. |
| Q | Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater. |
| SG | The sample extract was subjected to Silica Gel treatment prior to analysis. |
| X | % Recovery and/or RPD out-of-range. |
| Z | Analyte presence was not confirmed by second column or GC/MS analysis. |
| | Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis. |
| | Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time. |
| | A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations. |

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: ANCHOR

DATE: 06/26/2015

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC2 (CF:-0.3°C); Temperature (w/o CF): 2.5 °C (w/ CF): 2.2 °C; Blank Sample

Sample(s) outside temperature criteria (PM/APM contacted by: _____)

Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: Air Filter

Checked by: 671

CUSTODY SEAL:

Cooler Present and Intact Present but Not Intact Not Present N/A

Sample(s) Present and Intact Present but Not Intact Not Present N/A

Checked by: 671

Checked by: 1013

SAMPLE CONDITION:

| | Yes | No | N/A |
|--|-------------------------------------|--------------------------|-------------------------------------|
| Chain-of-Custody (COC) document(s) received with samples | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| COC document(s) received complete | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> Sampling date <input type="checkbox"/> Sampling time <input type="checkbox"/> Matrix <input type="checkbox"/> Number of containers | | | |
| <input type="checkbox"/> No analysis requested <input type="checkbox"/> Not relinquished <input type="checkbox"/> No relinquished date <input type="checkbox"/> No relinquished time | | | |
| Sampler's name indicated on COC | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Sample container label(s) consistent with COC | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Sample container(s) intact and in good condition | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Proper containers for analyses requested | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Sufficient volume/mass for analyses requested | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Samples received within holding time | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Aqueous samples for certain analyses received within 15-minute holding time | | | |
| <input type="checkbox"/> pH <input type="checkbox"/> Residual Chlorine <input type="checkbox"/> Dissolved Sulfide <input type="checkbox"/> Dissolved Oxygen | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Proper preservation chemical(s) noted on COC and/or sample container | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Unpreserved aqueous sample(s) received for certain analyses | | | |
| <input type="checkbox"/> Volatile Organics <input type="checkbox"/> Total Metals <input type="checkbox"/> Dissolved Metals | | | |
| Container(s) for certain analysis free of headspace | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input type="checkbox"/> Volatile Organics <input type="checkbox"/> Dissolved Gases (RSK-175) <input type="checkbox"/> Dissolved Oxygen (SM 4500) | | | |
| <input type="checkbox"/> Carbon Dioxide (SM 4500) <input type="checkbox"/> Ferrous Iron (SM 3500) <input type="checkbox"/> Hydrogen Sulfide (Hach) | | | |
| Tedlar™ bag(s) free of condensation | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

CONTAINER TYPE: (Trip Blank Lot Number: _____)

Aqueous: VOA VOA_h VOA_{na2} 100PJ 100PJ_{na2} 125AGB 125AGB_h 125AGB_p 125PB

125PB_z 250AGB 250CGB 250CGB_s 250PB 250PB_n 500AGB 500AGJ 500AGJ_s

500PB 1AGB 1AGB_{na2} 1AGB_s 1PB 1PB_{na} _____ _____ _____ _____

Sediment
Solid: 4ozCGJ 8ozCGJ 16ozCGJ Sleeve (_____) EnCores® (_____) TerraCores® (_____) _____

Air: Tedlar™ Canister Sorbent Tube PUF _____ **Other Matrix** (_____) _____ _____

Container: **A** = Amber, **B** = Bottle, **C** = Clear, **E** = Envelope, **G** = Glass, **J** = Jar, **P** = Plastic, and **Z** = Ziploc/Resealable Bag

Preservative: **b** = buffered, **f** = filtered, **h** = HCl, **n** = HNO₃, **na** = NaOH, **na₂** = Na₂S₂O₃, **p** = H₃PO₄, Labeled/Checked by: 1013

s = H₂SO₄; **u** = ultra-pure, **z**na = Zn(CH₃CO₂)₂ + NaOH Reviewed by: 965

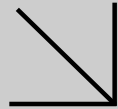
Return to Contents



Environmental
Calscience

Supplemental Report 2

The original report has been revised/corrected.



WORK ORDER NUMBER: 15-07-1173

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: ANCHOR QEA, LLC

Client Project Name: San Diego Shipyard North

Attention: Kyle King
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Approved for release on 02/02/2016 by:
Carla Hollowell
Project Manager

ResultLink ▶

Email your PM ▶



Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

Client Project Name: San Diego Shipyard North
Work Order Number: 15-07-1173

| | | |
|---|--|----|
| 1 | Work Order Narrative. | 3 |
| 2 | Sample Summary. | 4 |
| 3 | Client Sample Data. | 5 |
| | 3.1 SM 2540 B (M) Total Solids (Solid). | 5 |
| | 3.2 EPA 6020 ICP/MS Metals (Solid). | 6 |
| | 3.3 EPA 7471A Mercury (Solid). | 7 |
| | 3.4 EPA 8270C SIM PAHs (Solid). | 8 |
| | 3.5 EPA 8270C SIM PCB Congeners (Solid). | 9 |
| | 3.6 Krone et al. Organotins (Solid). | 13 |
| 4 | Quality Control Sample Data. | 14 |
| | 4.1 MS/MSD. | 14 |
| | 4.2 PDS/PDSD. | 19 |
| | 4.3 Sample Duplicate. | 20 |
| | 4.4 LCS/LCSD. | 21 |
| 5 | Glossary of Terms and Qualifiers. | 26 |
| 6 | Chain-of-Custody/Sample Receipt Form. | 27 |

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 07/17/15. They were assigned to Work Order 15-07-1173.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of ≤ 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

Sample Summary

| | |
|------------------------------|--|
| Client: ANCHOR QEA, LLC | Work Order: 15-07-1173 |
| 27201 Puerta Real, Suite 350 | Project Name: San Diego Shipyard North |
| Mission Viejo, CA 92691-8306 | PO Number: |
| | Date/Time Received: 07/17/15 19:20 |
| | Number of Containers: 2 |

Attn: Kyle King

| Sample Identification | Lab Number | Collection Date and Time | Number of Containers | Matrix |
|--------------------------|--------------|--------------------------|----------------------|----------|
| SD-N-C-21A-D-0535-150717 | 15-07-1173-2 | 07/17/15 10:15 | 1 | Sediment |

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/17/15
 Work Order: 15-07-1173
 Preparation: N/A
 Method: SM 2540 B (M)
 Units: %

Project: San Diego Shipyard North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|---------------------------------|------------------------|-----------------------|-----------------|------------|-----------------|-----------------------|------------------|
| SD-N-C-21A-D-0535-150717 | 15-07-1173-2-AA | 07/17/15 10:15 | Sediment | N/A | 07/17/15 | 07/18/15 14:00 | F0718TSB1 |

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|---------------|-----------|-----------|-------------------|
| Solids, Total | 80.3 | 0.100 | 1.00 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|------------------------|---------------------|--------------|------------|-----------------|-----------------------|------------------|
| Method Blank | 099-05-019-2957 | N/A | Solid | N/A | 07/17/15 | 07/18/15 14:00 | F0718TSB1 |

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|---------------|-----------|-----------|-------------------|
| Solids, Total | ND | 0.100 | 1.00 | |

Return to Contents 

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/17/15
 Work Order: 15-07-1173
 Preparation: EPA 3050B
 Method: EPA 6020
 Units: mg/kg

Project: San Diego Shipyard North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-21A-D-0535-150717 | 15-07-1173-2-AA | 07/17/15 10:15 | Sediment | ICP/MS 04 | 07/18/15 | 07/20/15 16:20 | 150718L01E |

Comment(s):
 - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|-------|--------|------|------------|
| Copper | 11.8 | 0.125 | 0.0522 | 1.00 | |

| | | | | | | | |
|--------------|----------------|-----|-------|-----------|----------|-------------------|------------|
| Method Blank | 099-15-254-334 | N/A | Solid | ICP/MS 04 | 07/18/15 | 07/20/15 15:53 | 150718L01E |
|--------------|----------------|-----|-------|-----------|----------|-------------------|------------|

Comment(s):
 - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|-------|--------|------|------------|
| Copper | ND | 0.100 | 0.0419 | 1.00 | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/17/15
 Work Order: 15-07-1173
 Preparation: EPA 7471A Total
 Method: EPA 7471A
 Units: mg/kg

Project: San Diego Shipyard North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-21A-D-0535-150717 | 15-07-1173-2-A | 07/17/15 10:15 | Sediment | Mercury 05 | 07/20/15 | 07/20/15 15:40 | 150720L01E |

Comment(s):
 - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|--------|---------|------|------------|
| Mercury | ND | 0.0258 | 0.00756 | 1.00 | |

| Method Blank | 099-16-278-150 | N/A | Solid | Mercury 05 | 07/20/15 | 07/20/15 14:48 | 150720L01E |
|--------------|----------------|-----|-------|------------|----------|-------------------|------------|
|--------------|----------------|-----|-------|------------|----------|-------------------|------------|

Comment(s):
 - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|--------|---------|------|------------|
| Mercury | ND | 0.0200 | 0.00587 | 1.00 | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/17/15
 Work Order: 15-07-1173
 Preparation: EPA 3541
 Method: EPA 8270C SIM PAHs
 Units: ug/kg

Project: San Diego Shipyard North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-21A-D-0535-150717 | 15-07-1173-2-AA | 07/17/15 10:15 | Sediment | GC/MS EEE | 07/17/15 | 07/20/15 11:09 | 150717L19 |

Comment(s): - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-------------------------|--------|----|-----|------|------------|
| Benzo (a) Anthracene | 3.3 | 12 | 2.7 | 1.00 | J |
| Benzo (a) Pyrene | 4.0 | 12 | 2.3 | 1.00 | J |
| Chrysene | ND | 12 | 2.8 | 1.00 | |
| Dibenz (a,h) Anthracene | ND | 12 | 2.4 | 1.00 | |
| Fluoranthene | 7.4 | 12 | 2.3 | 1.00 | J |
| Perylene | ND | 12 | 3.0 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|------------------|----------|----------------|------------|
| 2-Fluorobiphenyl | 62 | 14-146 | |
| Nitrobenzene-d5 | 77 | 18-162 | |
| p-Terphenyl-d14 | 70 | 34-148 | |

| Method Blank | 099-14-097-169 | N/A | Solid | GC/MS EEE | 07/17/15 | 07/20/15 10:49 | 150717L19 |
|--------------|----------------|-----|-------|-----------|----------|----------------|-----------|
|--------------|----------------|-----|-------|-----------|----------|----------------|-----------|

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-------------------------|--------|----|-----|------|------------|
| Benzo (a) Anthracene | ND | 10 | 2.2 | 1.00 | |
| Benzo (a) Pyrene | ND | 10 | 1.8 | 1.00 | |
| Chrysene | ND | 10 | 2.2 | 1.00 | |
| Dibenz (a,h) Anthracene | ND | 10 | 2.0 | 1.00 | |
| Fluoranthene | ND | 10 | 1.8 | 1.00 | |
| Perylene | ND | 10 | 2.4 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|------------------|----------|----------------|------------|
| 2-Fluorobiphenyl | 70 | 14-146 | |
| Nitrobenzene-d5 | 87 | 18-162 | |
| p-Terphenyl-d14 | 74 | 34-148 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/17/15
 Work Order: 15-07-1173
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyard North

Page 1 of 4

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-21A-D-0535-150717 | 15-07-1173-2-AA | 07/17/15 10:15 | Sediment | GC/MS HHH | 07/17/15 | 07/20/15 16:00 | 150717L20 |

Comment(s):
 - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|------------|--------|------|-------|------|------------|
| PCB018 | ND | 0.25 | 0.089 | 1.00 | |
| PCB028 | ND | 0.25 | 0.042 | 1.00 | |
| PCB037 | ND | 0.25 | 0.076 | 1.00 | |
| PCB044 | ND | 0.25 | 0.11 | 1.00 | |
| PCB049 | ND | 0.25 | 0.14 | 1.00 | |
| PCB052 | ND | 0.25 | 0.078 | 1.00 | |
| PCB066 | ND | 0.25 | 0.13 | 1.00 | |
| PCB070 | ND | 0.25 | 0.075 | 1.00 | |
| PCB074 | ND | 0.25 | 0.11 | 1.00 | |
| PCB077 | ND | 0.25 | 0.097 | 1.00 | |
| PCB081 | ND | 0.25 | 0.15 | 1.00 | |
| PCB087 | ND | 0.25 | 0.13 | 1.00 | |
| PCB099 | ND | 0.25 | 0.076 | 1.00 | |
| PCB101 | ND | 0.25 | 0.12 | 1.00 | |
| PCB105 | ND | 0.25 | 0.068 | 1.00 | |
| PCB110 | ND | 0.25 | 0.057 | 1.00 | |
| PCB114 | ND | 0.25 | 0.10 | 1.00 | |
| PCB118 | ND | 0.25 | 0.11 | 1.00 | |
| PCB119 | ND | 0.25 | 0.12 | 1.00 | |
| PCB123 | ND | 0.25 | 0.13 | 1.00 | |
| PCB126 | ND | 0.25 | 0.10 | 1.00 | |
| PCB128 | ND | 0.25 | 0.13 | 1.00 | |
| PCB132/153 | 0.36 | 0.50 | 0.22 | 1.00 | J |
| PCB138/158 | 0.16 | 0.50 | 0.12 | 1.00 | J |
| PCB149 | 0.27 | 0.25 | 0.12 | 1.00 | |
| PCB151 | ND | 0.25 | 0.084 | 1.00 | |
| PCB156 | ND | 0.25 | 0.072 | 1.00 | |
| PCB157 | ND | 0.25 | 0.065 | 1.00 | |
| PCB167 | ND | 0.25 | 0.077 | 1.00 | |
| PCB168 | ND | 0.25 | 0.061 | 1.00 | |
| PCB169 | ND | 0.25 | 0.076 | 1.00 | |
| PCB170 | 0.17 | 0.25 | 0.079 | 1.00 | J |
| PCB177 | ND | 0.25 | 0.11 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/17/15
 Work Order: 15-07-1173
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyard North

Page 2 of 4

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|-----------------|-----------------------|-------------------|-----------|-------------------|
| PCB180 | 0.22 | 0.25 | 0.053 | 1.00 | J |
| PCB183 | ND | 0.25 | 0.14 | 1.00 | |
| PCB187 | 0.12 | 0.25 | 0.11 | 1.00 | J |
| PCB189 | ND | 0.25 | 0.076 | 1.00 | |
| PCB194 | ND | 0.25 | 0.14 | 1.00 | |
| PCB201 | ND | 0.25 | 0.12 | 1.00 | |
| PCB206 | ND | 0.25 | 0.24 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | | |
| 2-Fluorobiphenyl | 61 | 50-150 | | | |
| p-Terphenyl-d14 | 62 | 50-150 | | | |

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/17/15
 Work Order: 15-07-1173
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyard North

Page 3 of 4

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-16-418-87 | N/A | Solid | GC/MS HHH | 07/17/15 | 07/20/15 15:31 | 150717L20 |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|------------|--------|------|-------|------|------------|
| PCB018 | ND | 0.20 | 0.071 | 1.00 | |
| PCB028 | ND | 0.20 | 0.034 | 1.00 | |
| PCB037 | ND | 0.20 | 0.060 | 1.00 | |
| PCB044 | ND | 0.20 | 0.087 | 1.00 | |
| PCB049 | ND | 0.20 | 0.11 | 1.00 | |
| PCB052 | ND | 0.20 | 0.063 | 1.00 | |
| PCB066 | ND | 0.20 | 0.10 | 1.00 | |
| PCB070 | ND | 0.20 | 0.060 | 1.00 | |
| PCB074 | ND | 0.20 | 0.087 | 1.00 | |
| PCB077 | ND | 0.20 | 0.078 | 1.00 | |
| PCB081 | ND | 0.20 | 0.12 | 1.00 | |
| PCB087 | ND | 0.20 | 0.11 | 1.00 | |
| PCB099 | ND | 0.20 | 0.061 | 1.00 | |
| PCB101 | ND | 0.20 | 0.098 | 1.00 | |
| PCB105 | ND | 0.20 | 0.055 | 1.00 | |
| PCB110 | ND | 0.20 | 0.046 | 1.00 | |
| PCB114 | ND | 0.20 | 0.082 | 1.00 | |
| PCB118 | ND | 0.20 | 0.084 | 1.00 | |
| PCB119 | ND | 0.20 | 0.094 | 1.00 | |
| PCB123 | ND | 0.20 | 0.10 | 1.00 | |
| PCB126 | ND | 0.20 | 0.080 | 1.00 | |
| PCB128 | ND | 0.20 | 0.10 | 1.00 | |
| PCB132/153 | ND | 0.40 | 0.17 | 1.00 | |
| PCB138/158 | ND | 0.40 | 0.094 | 1.00 | |
| PCB149 | ND | 0.20 | 0.098 | 1.00 | |
| PCB151 | ND | 0.20 | 0.067 | 1.00 | |
| PCB156 | ND | 0.20 | 0.058 | 1.00 | |
| PCB157 | ND | 0.20 | 0.052 | 1.00 | |
| PCB167 | ND | 0.20 | 0.062 | 1.00 | |
| PCB168 | ND | 0.20 | 0.049 | 1.00 | |
| PCB169 | ND | 0.20 | 0.061 | 1.00 | |
| PCB170 | ND | 0.20 | 0.063 | 1.00 | |
| PCB177 | ND | 0.20 | 0.087 | 1.00 | |
| PCB180 | ND | 0.20 | 0.042 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/17/15
 Work Order: 15-07-1173
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyard North

Page 4 of 4

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|-----------------|-----------------------|-------------------|-----------|-------------------|
| PCB183 | ND | 0.20 | 0.11 | 1.00 | |
| PCB187 | ND | 0.20 | 0.084 | 1.00 | |
| PCB189 | ND | 0.20 | 0.061 | 1.00 | |
| PCB194 | ND | 0.20 | 0.11 | 1.00 | |
| PCB201 | ND | 0.20 | 0.097 | 1.00 | |
| PCB206 | ND | 0.20 | 0.19 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | | |
| 2-Fluorobiphenyl | 55 | 50-150 | | | |
| p-Terphenyl-d14 | 71 | 50-150 | | | |

Return to Contents 

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/17/15
 Work Order: 15-07-1173
 Preparation: EPA 3550B (M)
 Method: Organotins by Krone et al.
 Units: ug/kg

Project: San Diego Shipyard North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-21A-D-0535-150717 | 15-07-1173-2-AA | 07/17/15 10:15 | Sediment | GC/MS Y | 07/17/15 | 07/20/15 15:11 | 150717L21 |

Comment(s): - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-------------|--------|-----|-----|------|------------|
| Tributyltin | ND | 3.7 | 1.8 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|--------------|----------|----------------|------------|
| Tripentyltin | 105 | 27-135 | |

| Method Blank | 099-07-016-1294 | N/A | Solid | GC/MS Y | 07/17/15 | 07/20/15 14:07 | 150717L21 |
|--------------|-----------------|-----|-------|---------|----------|----------------|-----------|
|--------------|-----------------|-----|-------|---------|----------|----------------|-----------|

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-------------|--------|-----|-----|------|------------|
| Tributyltin | ND | 3.0 | 1.5 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|--------------|----------|----------------|------------|
| Tripentyltin | 106 | 27-135 | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/17/15
 Work Order: 15-07-1173
 Preparation: EPA 3050B
 Method: EPA 6020

Project: San Diego Shipyard North

Page 1 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-21A-D-0535-150717 | Sample | Sediment | ICP/MS 04 | 07/18/15 | 07/20/15 16:20 | 150718S01 |
| SD-N-C-21A-D-0535-150717 | Matrix Spike | Sediment | ICP/MS 04 | 07/18/15 | 07/20/15 16:04 | 150718S01 |
| SD-N-C-21A-D-0535-150717 | Matrix Spike Duplicate | Sediment | ICP/MS 04 | 07/18/15 | 07/20/15 16:08 | 150718S01 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Copper | 9.492 | 25.00 | 35.36 | 103 | 35.51 | 104 | 80-120 | 0 | 0-20 | |

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/17/15
 Work Order: 15-07-1173
 Preparation: EPA 7471A Total
 Method: EPA 7471A

Project: San Diego Shipyard North

Page 2 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|--------|------------|---------------|----------------|---------------------|
| 15-07-0914-12 | Sample | Solid | Mercury 05 | 07/20/15 | 07/20/15 14:55 | 150720S01 |
| 15-07-0914-12 | Matrix Spike | Solid | Mercury 05 | 07/20/15 | 07/20/15 14:57 | 150720S01 |
| 15-07-0914-12 | Matrix Spike Duplicate | Solid | Mercury 05 | 07/20/15 | 07/20/15 14:59 | 150720S01 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Mercury | ND | 0.8350 | 0.8069 | 97 | 0.7319 | 88 | 71-137 | 10 | 0-14 | |

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/17/15
 Work Order: 15-07-1173
 Preparation: EPA 3541
 Method: EPA 8270C SIM PAHs

Project: San Diego Shipyard North

Page 3 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------------|-------------------------------|-----------------|------------------|-----------------|-----------------------|---------------------|
| SD-N-C-21A-D-0535-150717 | Sample | Sediment | GC/MS EEE | 07/17/15 | 07/20/15 11:09 | 150717S19 |
| SD-N-C-21A-D-0535-150717 | Matrix Spike | Sediment | GC/MS EEE | 07/17/15 | 07/20/15 11:30 | 150717S19 |
| SD-N-C-21A-D-0535-150717 | Matrix Spike Duplicate | Sediment | GC/MS EEE | 07/17/15 | 07/20/15 11:51 | 150717S19 |

| <u>Parameter</u> | <u>Sample Conc.</u> | <u>Spike Added</u> | <u>MS Conc.</u> | <u>MS %Rec.</u> | <u>MSD Conc.</u> | <u>MSD %Rec.</u> | <u>%Rec. CL</u> | <u>RPD</u> | <u>RPD CL</u> | <u>Qualifiers</u> |
|-------------------------|---------------------|--------------------|-----------------|-----------------|------------------|------------------|-----------------|------------|---------------|-------------------|
| Benzo (a) Anthracene | ND | 100.0 | 76.19 | 76 | 74.14 | 74 | 40-160 | 3 | 0-20 | |
| Benzo (a) Pyrene | ND | 100.0 | 83.76 | 84 | 82.99 | 83 | 40-160 | 1 | 0-20 | |
| Chrysene | ND | 100.0 | 73.16 | 73 | 71.33 | 71 | 40-160 | 3 | 0-20 | |
| Dibenz (a,h) Anthracene | ND | 100.0 | 80.99 | 81 | 81.37 | 81 | 40-160 | 0 | 0-20 | |
| Fluoranthene | ND | 100.0 | 83.35 | 83 | 81.49 | 81 | 40-160 | 2 | 0-20 | |


 Return to Contents

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/17/15
 Work Order: 15-07-1173
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners

Project: San Diego Shipyard North

Page 4 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-21A-D-0535-150717 | Sample | Sediment | GC/MS HHH | 07/17/15 | 07/20/15 16:00 | 150717S20 |
| SD-N-C-21A-D-0535-150717 | Matrix Spike | Sediment | GC/MS HHH | 07/17/15 | 07/20/15 17:23 | 150717S20 |
| SD-N-C-21A-D-0535-150717 | Matrix Spike Duplicate | Sediment | GC/MS HHH | 07/17/15 | 07/20/15 17:50 | 150717S20 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| PCB018 | ND | 50.00 | 28.97 | 58 | 30.25 | 61 | 50-150 | 4 | 0-25 | |
| PCB028 | ND | 50.00 | 32.58 | 65 | 32.35 | 65 | 50-150 | 1 | 0-25 | |
| PCB044 | ND | 50.00 | 32.34 | 65 | 32.27 | 65 | 50-150 | 0 | 0-25 | |
| PCB052 | ND | 50.00 | 26.80 | 54 | 28.11 | 56 | 50-150 | 5 | 0-25 | |
| PCB066 | ND | 50.00 | 39.15 | 78 | 37.25 | 74 | 50-150 | 5 | 0-25 | |
| PCB077 | ND | 50.00 | 35.09 | 70 | 34.58 | 69 | 50-150 | 1 | 0-25 | |
| PCB101 | ND | 50.00 | 33.10 | 66 | 32.98 | 66 | 50-150 | 0 | 0-25 | |
| PCB105 | ND | 50.00 | 34.68 | 69 | 33.27 | 67 | 50-150 | 4 | 0-25 | |
| PCB118 | ND | 50.00 | 39.68 | 79 | 37.98 | 76 | 50-150 | 4 | 0-25 | |
| PCB126 | ND | 50.00 | 37.39 | 75 | 36.46 | 73 | 50-150 | 3 | 0-25 | |
| PCB128 | ND | 50.00 | 36.39 | 73 | 34.47 | 69 | 50-150 | 5 | 0-25 | |
| PCB170 | ND | 50.00 | 35.30 | 71 | 34.37 | 69 | 50-150 | 3 | 0-25 | |
| PCB180 | ND | 50.00 | 40.17 | 80 | 37.11 | 74 | 50-150 | 8 | 0-25 | |
| PCB187 | ND | 50.00 | 37.67 | 75 | 37.03 | 74 | 50-150 | 2 | 0-25 | |
| PCB206 | ND | 50.00 | 36.07 | 72 | 36.09 | 72 | 50-150 | 0 | 0-25 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/17/15
 Work Order: 15-07-1173
 Preparation: EPA 3550B (M)
 Method: Organotins by Krone et al.

Project: San Diego Shipyard North

Page 5 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-21A-D-0535-150717 | Sample | Sediment | GC/MS Y | 07/17/15 | 07/20/15 15:11 | 150717S21 |
| SD-N-C-21A-D-0535-150717 | Matrix Spike | Sediment | GC/MS Y | 07/17/15 | 07/20/15 15:27 | 150717S21 |
| SD-N-C-21A-D-0535-150717 | Matrix Spike Duplicate | Sediment | GC/MS Y | 07/17/15 | 07/20/15 15:43 | 150717S21 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-------------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Tributyltin | ND | 100.0 | 92.36 | 92 | 82.90 | 83 | 34-142 | 11 | 0-50 | |

Return to Contents 

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - PDS

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/17/15
 Work Order: 15-07-1173
 Preparation: EPA 3050B
 Method: EPA 6020

Project: San Diego Shipyard North

Page 1 of 1

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | PDS/PDSD Batch Number |
|---------------------------|--------|----------|------------|----------------|----------------|-----------------------|
| SD-N-C-21A-D-0535-150717 | Sample | Sediment | ICP/MS 04 | 07/18/15 00:00 | 07/20/15 16:20 | 150718S01 |
| SD-N-C-21A-D-0535-150717 | PDS | Sediment | ICP/MS 04 | 07/18/15 00:00 | 07/20/15 16:12 | 150718S01 |

| Parameter | Sample Conc. | Spike Added | PDS Conc. | PDS %Rec. | %Rec. CL | Qualifiers |
|-----------|--------------|-------------|-----------|-----------|----------|------------|
| Copper | 9.492 | 25.00 | 36.01 | 106 | 75-125 | |

Return to Contents

Quality Control - Sample Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/17/15
 Work Order: 15-07-1173
 Preparation: N/A
 Method: SM 2540 B (M)

Project: San Diego Shipyard North

Page 1 of 1

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | Duplicate Batch Number |
|---------------------------|------------------|----------|------------|----------------|----------------|------------------------|
| SD-N-C-21A-D-0535-150717 | Sample | Sediment | N/A | 07/17/15 00:00 | 07/18/15 14:00 | F0718TSD1 |
| SD-N-C-21A-D-0535-150717 | Sample Duplicate | Sediment | N/A | 07/17/15 00:00 | 07/18/15 14:00 | F0718TSD1 |

| Parameter | Sample Conc. | DUP Conc. | RPD | RPD CL | Qualifiers |
|---------------|--------------|-----------|-----|--------|------------|
| Solids, Total | 80.30 | 80.80 | 1 | 0-10 | |

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/17/15
 Work Order: 15-07-1173
 Preparation: EPA 3050B
 Method: EPA 6020

Project: San Diego Shipyard North

Page 1 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|------|--------|------------|---------------|----------------|-----------------------|
| 099-15-254-334 | LCS | Solid | ICP/MS 04 | 07/18/15 | 07/20/15 15:57 | 150718L01E |
| 099-15-254-334 | LCSD | Solid | ICP/MS 04 | 07/18/15 | 07/20/15 16:01 | 150718L01E |

| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|-------------|-----------|-----------|------------|------------|----------|-----|--------|------------|
| Copper | 25.00 | 28.42 | 114 | 27.94 | 112 | 80-120 | 2 | 0-20 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/17/15
 Work Order: 15-07-1173
 Preparation: EPA 7471A Total
 Method: EPA 7471A

Project: San Diego Shipyard North

Page 2 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|------|--------|------------|---------------|----------------|-----------------------|
| 099-16-278-150 | LCS | Solid | Mercury 05 | 07/20/15 | 07/20/15 14:50 | 150720L01E |
| 099-16-278-150 | LCSD | Solid | Mercury 05 | 07/20/15 | 07/20/15 14:53 | 150720L01E |

| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|-------------|-----------|-----------|------------|------------|----------|-----|--------|------------|
| Mercury | 0.8350 | 0.8121 | 97 | 0.8046 | 96 | 82-124 | 1 | 0-16 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/17/15
 Work Order: 15-07-1173
 Preparation: EPA 3541
 Method: EPA 8270C SIM PAHs

Project: San Diego Shipyard North

Page 3 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|------|--------|------------|---------------|----------------|-----------------------|
| 099-14-097-169 | LCS | Solid | GC/MS EEE | 07/17/15 | 07/20/15 10:07 | 150717L19 |
| 099-14-097-169 | LCSD | Solid | GC/MS EEE | 07/17/15 | 07/20/15 10:28 | 150717L19 |

| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-------------------------|-------------|-----------|-----------|------------|------------|----------|-----|--------|------------|
| Benzo (a) Anthracene | 100.0 | 73.49 | 73 | 73.65 | 74 | 40-160 | 0 | 0-20 | |
| Benzo (a) Pyrene | 100.0 | 79.53 | 80 | 77.62 | 78 | 40-160 | 2 | 0-20 | |
| Chrysene | 100.0 | 71.20 | 71 | 71.10 | 71 | 40-160 | 0 | 0-20 | |
| Dibenz (a,h) Anthracene | 100.0 | 104.5 | 104 | 79.75 | 80 | 40-160 | 27 | 0-20 | X |
| Fluoranthene | 100.0 | 94.73 | 95 | 75.99 | 76 | 40-160 | 22 | 0-20 | X |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/17/15
 Work Order: 15-07-1173
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners

Project: San Diego Shipyard North

Page 4 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|------|--------|------------|---------------|----------------|-----------------------|
| 099-16-418-87 | LCS | Solid | GC/MS HHH | 07/17/15 | 07/20/15 18:18 | 150717L20 |
| 099-16-418-87 | LCSD | Solid | GC/MS HHH | 07/17/15 | 07/20/15 16:56 | 150717L20 |

| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | ME CL | RPD | RPD CL | Qualifiers |
|-----------|-------------|-----------|-----------|------------|------------|----------|--------|-----|--------|------------|
| PCB018 | 50.00 | 46.65 | 93 | 47.54 | 95 | 50-150 | 33-167 | 2 | 0-25 | |
| PCB028 | 50.00 | 50.37 | 101 | 49.25 | 98 | 50-150 | 33-167 | 2 | 0-25 | |
| PCB044 | 50.00 | 49.44 | 99 | 50.83 | 102 | 50-150 | 33-167 | 3 | 0-25 | |
| PCB052 | 50.00 | 44.06 | 88 | 45.87 | 92 | 50-150 | 33-167 | 4 | 0-25 | |
| PCB066 | 50.00 | 59.41 | 119 | 56.48 | 113 | 50-150 | 33-167 | 5 | 0-25 | |
| PCB077 | 50.00 | 53.34 | 107 | 53.65 | 107 | 50-150 | 33-167 | 1 | 0-25 | |
| PCB101 | 50.00 | 50.06 | 100 | 48.60 | 97 | 50-150 | 33-167 | 3 | 0-25 | |
| PCB105 | 50.00 | 55.36 | 111 | 52.11 | 104 | 50-150 | 33-167 | 6 | 0-25 | |
| PCB118 | 50.00 | 59.18 | 118 | 61.09 | 122 | 50-150 | 33-167 | 3 | 0-25 | |
| PCB126 | 50.00 | 56.10 | 112 | 56.37 | 113 | 50-150 | 33-167 | 0 | 0-25 | |
| PCB128 | 50.00 | 52.59 | 105 | 55.45 | 111 | 50-150 | 33-167 | 5 | 0-25 | |
| PCB170 | 50.00 | 54.50 | 109 | 53.30 | 107 | 50-150 | 33-167 | 2 | 0-25 | |
| PCB180 | 50.00 | 60.85 | 122 | 62.39 | 125 | 50-150 | 33-167 | 2 | 0-25 | |
| PCB187 | 50.00 | 55.92 | 112 | 55.04 | 110 | 50-150 | 33-167 | 2 | 0-25 | |
| PCB206 | 50.00 | 56.10 | 112 | 52.87 | 106 | 50-150 | 33-167 | 6 | 0-25 | |

Total number of LCS compounds: 15
 Total number of ME compounds: 0
 Total number of ME compounds allowed: 1
 LCS ME CL validation result: Pass

Return to Contents

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/17/15
 Work Order: 15-07-1173
 Preparation: EPA 3550B (M)
 Method: Organotins by Krone et al.

Project: San Diego Shipyard North

Page 5 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|------|--------|------------|---------------|----------------|-----------------------|
| 099-07-016-1294 | LCS | Solid | GC/MS Y | 07/17/15 | 07/20/15 13:35 | 150717L21 |
| 099-07-016-1294 | LCSD | Solid | GC/MS Y | 07/17/15 | 07/20/15 13:51 | 150717L21 |

| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-------------|-------------|-----------|-----------|------------|------------|----------|-----|--------|------------|
| Tributyltin | 100.0 | 84.64 | 85 | 87.39 | 87 | 33-147 | 3 | 0-20 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

| <u>Qualifiers</u> | <u>Definition</u> |
|-------------------|---|
| * | See applicable analysis comment. |
| < | Less than the indicated value. |
| > | Greater than the indicated value. |
| 1 | Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification. |
| 2 | Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification. |
| 3 | Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control. |
| 4 | The MS/MSD RPD was out of control due to suspected matrix interference. |
| 5 | The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference. |
| 6 | Surrogate recovery below the acceptance limit. |
| 7 | Surrogate recovery above the acceptance limit. |
| B | Analyte was present in the associated method blank. |
| BU | Sample analyzed after holding time expired. |
| BV | Sample received after holding time expired. |
| CI | See case narrative. |
| E | Concentration exceeds the calibration range. |
| ET | Sample was extracted past end of recommended max. holding time. |
| HD | The chromatographic pattern was inconsistent with the profile of the reference fuel standard. |
| HDH | The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected). |
| HDL | The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected). |
| J | Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated. |
| JA | Analyte positively identified but quantitation is an estimate. |
| ME | LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean). |
| ND | Parameter not detected at the indicated reporting limit. |
| Q | Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater. |
| SG | The sample extract was subjected to Silica Gel treatment prior to analysis. |
| X | % Recovery and/or RPD out-of-range. |
| Z | Analyte presence was not confirmed by second column or GC/MS analysis. |
| | Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis. |
| | Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time. |
| | A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations. |



Calscience

WORK ORDER NUMBER: 15-07- 1173

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: ANCHOR

DATE: 07/17/2015

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC5 (CF:-0.2°C); Temperature (w/o CF): 2.4 °C (w/ CF): 2.2 °C; Blank Sample

Sample(s) outside temperature criteria (PM/APM contacted by: _____)

Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: Air Filter

Checked by: 671

CUSTODY SEAL:

Cooler Present and Intact Present but Not Intact Not Present N/A

Sample(s) Present and Intact Present but Not Intact Not Present N/A

Checked by: 671
Checked by: 1070

| SAMPLE CONDITION: | Yes | No | N/A |
|--|-------------------------------------|--------------------------|-------------------------------------|
| Chain-of-Custody (COC) document(s) received with samples | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| COC document(s) received complete | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> Sampling date <input type="checkbox"/> Sampling time <input type="checkbox"/> Matrix <input type="checkbox"/> Number of containers | | | |
| <input type="checkbox"/> No analysis requested <input type="checkbox"/> Not relinquished <input type="checkbox"/> No relinquished date <input type="checkbox"/> No relinquished time | | | |
| Sampler's name indicated on COC | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Sample container label(s) consistent with COC | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Sample container(s) intact and in good condition | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Proper containers for analyses requested | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Sufficient volume/mass for analyses requested | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Samples received within holding time | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Aqueous samples for certain analyses received within 15-minute holding time | | | |
| <input type="checkbox"/> pH <input type="checkbox"/> Residual Chlorine <input type="checkbox"/> Dissolved Sulfide <input type="checkbox"/> Dissolved Oxygen | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Proper preservation chemical(s) noted on COC and/or sample container | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Unpreserved aqueous sample(s) received for certain analyses | | | |
| <input type="checkbox"/> Volatile Organics <input type="checkbox"/> Total Metals <input type="checkbox"/> Dissolved Metals | | | |
| Container(s) for certain analysis free of headspace | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input type="checkbox"/> Volatile Organics <input type="checkbox"/> Dissolved Gases (RSK-175) <input type="checkbox"/> Dissolved Oxygen (SM 4500) | | | |
| <input type="checkbox"/> Carbon Dioxide (SM 4500) <input type="checkbox"/> Ferrous Iron (SM 3500) <input type="checkbox"/> Hydrogen Sulfide (Hach) | | | |
| Tedlar™ bag(s) free of condensation | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

CONTAINER TYPE: (Trip Blank Lot Number: _____)

Aqueous: VOA VOA_h VOA_{na2} 100PJ 100PJ_{na2} 125AGB 125AGB_h 125AGB_p 125PB

125PB_{z_{na}} 250AGB 250CGB 250CGB_s 250PB 250PB_n 500AGB 500AGJ 500AGJ_s

500PB 1AGB 1AGB_{na2} 1AGB_s 1PB 1PB_{na} _____ _____ _____ _____

Sediment
Solid: 4ozCGJ 8ozCGJ 16ozCGJ Sleeve (_____) EnCores® (_____) TerraCores® (_____) _____

Air: Tedlar™ Canister Sorbent Tube PUF _____ **Other Matrix** (____): _____ _____

Container: **A** = Amber, **B** = Bottle, **C** = Clear, **E** = Envelope, **G** = Glass, **J** = Jar, **P** = Plastic, and **Z** = Ziploc/Resealable Bag

Preservative: **b** = buffered, **f** = filtered, **h** = HCl, **n** = HNO₃, **na** = NaOH, **na₂** = Na₂S₂O₃, **p** = H₃PO₄, Labeled/Checked by: 1070

s = H₂SO₄, **u** = ultra-pure, **z_{na}** = Zn(CH₃CO₂)₂ + NaOH Reviewed by: abj

Return to Contents



Environmental
Calscience

Supplemental Report 2

The original report has been revised/corrected.



WORK ORDER NUMBER: 15-07-1353

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: ANCHOR QEA, LLC

Client Project Name: San Diego Shipyards- North

Attention: Adam Gale
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Approved for release on 02/02/2016 by:
Carla Hollowell
Project Manager

ResultLink ▶

Email your PM ▶



Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

Client Project Name: San Diego Shipyards- North
Work Order Number: 15-07-1353

| | | |
|---|--|----|
| 1 | Work Order Narrative. | 3 |
| 2 | Sample Summary. | 4 |
| 3 | Client Sample Data. | 5 |
| | 3.1 SM 2540 B (M) Total Solids (Solid). | 5 |
| | 3.2 EPA 6020 ICP/MS Metals (Solid). | 6 |
| | 3.3 EPA 7471A Mercury (Solid). | 7 |
| | 3.4 EPA 8270C SIM PAHs (Solid). | 8 |
| | 3.5 EPA 8270C SIM PCB Congeners (Solid). | 9 |
| | 3.6 Krone et al. Organotins (Solid). | 13 |
| 4 | Quality Control Sample Data. | 14 |
| | 4.1 MS/MSD. | 14 |
| | 4.2 PDS/PDSD. | 19 |
| | 4.3 Sample Duplicate. | 20 |
| | 4.4 LCS/LCSD. | 21 |
| 5 | Glossary of Terms and Qualifiers. | 26 |
| 6 | Chain-of-Custody/Sample Receipt Form. | 27 |

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 07/21/15. They were assigned to Work Order 15-07-1353.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of ≤ 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

Sample Summary

| | |
|------------------------------|--|
| Client: ANCHOR QEA, LLC | Work Order: 15-07-1353 |
| 27201 Puerta Real, Suite 350 | Project Name: San Diego Shipyards- North |
| Mission Viejo, CA 92691-8306 | PO Number: |
| | Date/Time Received: 07/21/15 19:30 |
| | Number of Containers: 2 |

Attn: Adam Gale

| Sample Identification | Lab Number | Collection Date and Time | Number of Containers | Matrix |
|--------------------------|--------------|--------------------------|----------------------|----------|
| SD-N-C-22A-D-0535-150721 | 15-07-1353-2 | 07/21/15 09:14 | 1 | Sediment |

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/21/15
 Work Order: 15-07-1353
 Preparation: N/A
 Method: SM 2540 B (M)
 Units: %

Project: San Diego Shipyards- North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-22A-D-0535-150721 | 15-07-1353-2-AA | 07/21/15 09:14 | Sediment | N/A | 07/21/15 | 07/22/15 13:30 | F0722TSB1 |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|---------------|--------|-------|-------|------|------------|
| Solids, Total | 78.7 | 0.100 | 0.100 | 1.00 | |

| Method Blank | 099-05-019-2958 | N/A | Solid | N/A | 07/21/15 | 07/22/15 13:30 | F0722TSB1 |
|--------------|-----------------|-----|-------|-----|----------|----------------|-----------|
|--------------|-----------------|-----|-------|-----|----------|----------------|-----------|

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|---------------|--------|-------|-------|------|------------|
| Solids, Total | ND | 0.100 | 0.100 | 1.00 | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/21/15
 Work Order: 15-07-1353
 Preparation: EPA 3050B
 Method: EPA 6020
 Units: mg/kg

Project: San Diego Shipyards- North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-22A-D-0535-150721 | 15-07-1353-2-AA | 07/21/15 09:14 | Sediment | ICP/MS 04 | 07/21/15 | 07/22/15 15:55 | 150721L01E |

Comment(s): - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|-------|--------|------|------------|
| Copper | 11.1 | 0.127 | 0.0533 | 1.00 | |

| | | | | | | | |
|--------------|----------------|-----|-------|-----------|----------|----------------|------------|
| Method Blank | 099-15-254-335 | N/A | Solid | ICP/MS 04 | 07/21/15 | 07/22/15 15:59 | 150721L01E |
|--------------|----------------|-----|-------|-----------|----------|----------------|------------|

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|-------|--------|------|------------|
| Copper | ND | 0.100 | 0.0419 | 1.00 | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/21/15
 Work Order: 15-07-1353
 Preparation: EPA 7471A Total
 Method: EPA 7471A
 Units: mg/kg

Project: San Diego Shipyards- North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-22A-D-0535-150721 | 15-07-1353-2-AA | 07/21/15 09:14 | Sediment | Mercury 05 | 07/22/15 | 07/22/15 14:53 | 150721L04E |

Comment(s): - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|--------|---------|------|------------|
| Mercury | ND | 0.0250 | 0.00734 | 1.00 | |

| Method Blank | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-16-278-151 | N/A | Solid | Mercury 05 | 07/21/15 | 07/22/15 13:44 | 150721L04E |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|--------|---------|------|------------|
| Mercury | ND | 0.0200 | 0.00587 | 1.00 | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/21/15
 Work Order: 15-07-1353
 Preparation: EPA 3541
 Method: EPA 8270C SIM PAHs
 Units: ug/kg

Project: San Diego Shipyards- North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-22A-D-0535-150721 | 15-07-1353-2-AA | 07/21/15 09:14 | Sediment | GC/MS AAA | 07/21/15 | 07/22/15 15:02 | 150721L19 |

Comment(s): - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-------------------------|--------|----|-----|------|------------|
| Benzo (a) Anthracene | ND | 13 | 2.8 | 1.00 | |
| Benzo (a) Pyrene | 7.3 | 13 | 2.3 | 1.00 | J |
| Chrysene | 3.2 | 13 | 2.8 | 1.00 | J |
| Dibenz (a,h) Anthracene | ND | 13 | 2.5 | 1.00 | |
| Fluoranthene | 6.7 | 13 | 2.3 | 1.00 | J |
| Perylene | ND | 13 | 3.0 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|------------------|----------|----------------|------------|
| 2-Fluorobiphenyl | 52 | 14-146 | |
| Nitrobenzene-d5 | 55 | 18-162 | |
| p-Terphenyl-d14 | 73 | 34-148 | |

| Method Blank | 099-14-097-171 | N/A | Solid | GC/MS AAA | 07/21/15 | 07/22/15 14:41 | 150721L19 |
|--------------|----------------|-----|-------|-----------|----------|----------------|-----------|
|--------------|----------------|-----|-------|-----------|----------|----------------|-----------|

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-------------------------|--------|----|-----|------|------------|
| Benzo (a) Anthracene | ND | 10 | 2.2 | 1.00 | |
| Benzo (a) Pyrene | ND | 10 | 1.8 | 1.00 | |
| Chrysene | ND | 10 | 2.2 | 1.00 | |
| Dibenz (a,h) Anthracene | ND | 10 | 2.0 | 1.00 | |
| Fluoranthene | ND | 10 | 1.8 | 1.00 | |
| Perylene | ND | 10 | 2.4 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|------------------|----------|----------------|------------|
| 2-Fluorobiphenyl | 77 | 14-146 | |
| Nitrobenzene-d5 | 77 | 18-162 | |
| p-Terphenyl-d14 | 82 | 34-148 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/21/15
 Work Order: 15-07-1353
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyards- North

Page 1 of 4

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-22A-D-0535-150721 | 15-07-1353-2-AA | 07/21/15 09:14 | Sediment | GC/MS HHH | 07/21/15 | 07/22/15 16:04 | 150721L20 |

Comment(s):
 - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|------------|--------|------|-------|------|------------|
| PCB018 | ND | 0.25 | 0.090 | 1.00 | |
| PCB028 | ND | 0.25 | 0.043 | 1.00 | |
| PCB037 | ND | 0.25 | 0.077 | 1.00 | |
| PCB044 | 0.13 | 0.25 | 0.11 | 1.00 | J |
| PCB049 | ND | 0.25 | 0.14 | 1.00 | |
| PCB052 | ND | 0.25 | 0.080 | 1.00 | |
| PCB066 | ND | 0.25 | 0.13 | 1.00 | |
| PCB070 | ND | 0.25 | 0.076 | 1.00 | |
| PCB074 | ND | 0.25 | 0.11 | 1.00 | |
| PCB077 | ND | 0.25 | 0.099 | 1.00 | |
| PCB081 | ND | 0.25 | 0.15 | 1.00 | |
| PCB087 | ND | 0.25 | 0.14 | 1.00 | |
| PCB099 | 0.12 | 0.25 | 0.077 | 1.00 | J |
| PCB101 | 0.22 | 0.25 | 0.12 | 1.00 | J |
| PCB105 | 0.11 | 0.25 | 0.069 | 1.00 | J |
| PCB110 | 0.21 | 0.25 | 0.058 | 1.00 | J |
| PCB114 | ND | 0.25 | 0.10 | 1.00 | |
| PCB118 | 0.24 | 0.25 | 0.11 | 1.00 | J |
| PCB119 | ND | 0.25 | 0.12 | 1.00 | |
| PCB123 | ND | 0.25 | 0.13 | 1.00 | |
| PCB126 | ND | 0.25 | 0.10 | 1.00 | |
| PCB128 | ND | 0.25 | 0.13 | 1.00 | |
| PCB132/153 | 0.42 | 0.51 | 0.22 | 1.00 | J |
| PCB138/158 | 0.43 | 0.51 | 0.12 | 1.00 | J |
| PCB149 | 0.32 | 0.25 | 0.12 | 1.00 | |
| PCB151 | ND | 0.25 | 0.085 | 1.00 | |
| PCB156 | ND | 0.25 | 0.073 | 1.00 | |
| PCB157 | ND | 0.25 | 0.066 | 1.00 | |
| PCB167 | ND | 0.25 | 0.078 | 1.00 | |
| PCB168 | ND | 0.25 | 0.062 | 1.00 | |
| PCB169 | ND | 0.25 | 0.077 | 1.00 | |
| PCB170 | 0.13 | 0.25 | 0.081 | 1.00 | J |
| PCB177 | ND | 0.25 | 0.11 | 1.00 | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/21/15
 Work Order: 15-07-1353
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyards- North

Page 2 of 4

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|-----------------|-----------------------|-------------------|-----------|-------------------|
| PCB180 | 0.27 | 0.25 | 0.053 | 1.00 | |
| PCB183 | ND | 0.25 | 0.14 | 1.00 | |
| PCB187 | 0.11 | 0.25 | 0.11 | 1.00 | J |
| PCB189 | ND | 0.25 | 0.078 | 1.00 | |
| PCB194 | ND | 0.25 | 0.14 | 1.00 | |
| PCB201 | ND | 0.25 | 0.12 | 1.00 | |
| PCB206 | ND | 0.25 | 0.25 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | | |
| 2-Fluorobiphenyl | 58 | 50-150 | | | |
| p-Terphenyl-d14 | 79 | 50-150 | | | |

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/21/15
 Work Order: 15-07-1353
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyards- North

Page 3 of 4

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-16-418-89 | N/A | Solid | GC/MS HHH | 07/21/15 | 07/22/15 17:23 | 150721L20 |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|------------|--------|------|-------|------|------------|
| PCB018 | ND | 0.20 | 0.071 | 1.00 | |
| PCB028 | ND | 0.20 | 0.034 | 1.00 | |
| PCB037 | ND | 0.20 | 0.060 | 1.00 | |
| PCB044 | ND | 0.20 | 0.087 | 1.00 | |
| PCB049 | ND | 0.20 | 0.11 | 1.00 | |
| PCB052 | ND | 0.20 | 0.063 | 1.00 | |
| PCB066 | ND | 0.20 | 0.10 | 1.00 | |
| PCB070 | ND | 0.20 | 0.060 | 1.00 | |
| PCB074 | ND | 0.20 | 0.087 | 1.00 | |
| PCB077 | ND | 0.20 | 0.078 | 1.00 | |
| PCB081 | ND | 0.20 | 0.12 | 1.00 | |
| PCB087 | ND | 0.20 | 0.11 | 1.00 | |
| PCB099 | ND | 0.20 | 0.061 | 1.00 | |
| PCB101 | ND | 0.20 | 0.098 | 1.00 | |
| PCB105 | ND | 0.20 | 0.055 | 1.00 | |
| PCB110 | ND | 0.20 | 0.046 | 1.00 | |
| PCB114 | ND | 0.20 | 0.082 | 1.00 | |
| PCB118 | ND | 0.20 | 0.084 | 1.00 | |
| PCB119 | ND | 0.20 | 0.094 | 1.00 | |
| PCB123 | ND | 0.20 | 0.10 | 1.00 | |
| PCB126 | ND | 0.20 | 0.080 | 1.00 | |
| PCB128 | ND | 0.20 | 0.10 | 1.00 | |
| PCB132/153 | ND | 0.40 | 0.17 | 1.00 | |
| PCB138/158 | ND | 0.40 | 0.094 | 1.00 | |
| PCB149 | ND | 0.20 | 0.098 | 1.00 | |
| PCB151 | ND | 0.20 | 0.067 | 1.00 | |
| PCB156 | ND | 0.20 | 0.058 | 1.00 | |
| PCB157 | ND | 0.20 | 0.052 | 1.00 | |
| PCB167 | ND | 0.20 | 0.062 | 1.00 | |
| PCB168 | ND | 0.20 | 0.049 | 1.00 | |
| PCB169 | ND | 0.20 | 0.061 | 1.00 | |
| PCB170 | ND | 0.20 | 0.063 | 1.00 | |
| PCB177 | ND | 0.20 | 0.087 | 1.00 | |
| PCB180 | ND | 0.20 | 0.042 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/21/15
 Work Order: 15-07-1353
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyards- North

Page 4 of 4

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|-----------------|-----------------------|-------------------|-----------|-------------------|
| PCB183 | ND | 0.20 | 0.11 | 1.00 | |
| PCB187 | ND | 0.20 | 0.084 | 1.00 | |
| PCB189 | ND | 0.20 | 0.061 | 1.00 | |
| PCB194 | ND | 0.20 | 0.11 | 1.00 | |
| PCB201 | ND | 0.20 | 0.097 | 1.00 | |
| PCB206 | ND | 0.20 | 0.19 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | | |
| 2-Fluorobiphenyl | 54 | 50-150 | | | |
| p-Terphenyl-d14 | 80 | 50-150 | | | |

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/21/15
 Work Order: 15-07-1353
 Preparation: EPA 3550B (M)
 Method: Organotins by Krone et al.
 Units: ug/kg

Project: San Diego Shipyards- North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-22A-D-0535-150721 | 15-07-1353-2-AA | 07/21/15 09:14 | Sediment | GC/MS Y | 07/21/15 | 07/22/15 17:24 | 150721L21 |

Comment(s): - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|--------------|----------|----------------|------------|------|------------|
| Tributyltin | 7.1 | 3.8 | 1.9 | 1.00 | |
| Surrogate | Rec. (%) | Control Limits | Qualifiers | | |
| Tripentyltin | 64 | 27-135 | | | |

| Method Blank | 099-07-016-1296 | N/A | Solid | GC/MS Y | 07/21/15 | 07/22/15 17:08 | 150721L21 |
|--------------|-----------------|-----|-------|---------|----------|----------------|-----------|
|--------------|-----------------|-----|-------|---------|----------|----------------|-----------|

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|--------------|----------|----------------|------------|------|------------|
| Tributyltin | ND | 3.0 | 1.5 | 1.00 | |
| Surrogate | Rec. (%) | Control Limits | Qualifiers | | |
| Tripentyltin | 75 | 27-135 | | | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/21/15
 Work Order: 15-07-1353
 Preparation: EPA 3050B
 Method: EPA 6020

Project: San Diego Shipyards- North

Page 1 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| 15-07-0895-24 | Sample | Sediment | ICP/MS 04 | 07/21/15 | 07/22/15 16:26 | 150721S01 |
| 15-07-0895-24 | Matrix Spike | Sediment | ICP/MS 04 | 07/21/15 | 07/22/15 16:11 | 150721S01 |
| 15-07-0895-24 | Matrix Spike Duplicate | Sediment | ICP/MS 04 | 07/21/15 | 07/22/15 16:14 | 150721S01 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Copper | 2.475 | 25.00 | 25.68 | 93 | 25.90 | 94 | 80-120 | 1 | 0-20 | |

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/21/15
 Work Order: 15-07-1353
 Preparation: EPA 7471A Total
 Method: EPA 7471A

Project: San Diego Shipyards- North

Page 2 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|--------|------------|---------------|----------------|---------------------|
| 15-07-1073-1 | Sample | Solid | Mercury 05 | 07/21/15 | 07/22/15 13:51 | 150721S04 |
| 15-07-1073-1 | Matrix Spike | Solid | Mercury 05 | 07/21/15 | 07/22/15 13:53 | 150721S04 |
| 15-07-1073-1 | Matrix Spike Duplicate | Solid | Mercury 05 | 07/21/15 | 07/22/15 13:55 | 150721S04 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Mercury | ND | 0.8350 | 0.8751 | 105 | 0.8946 | 107 | 71-137 | 2 | 0-14 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/21/15
 Work Order: 15-07-1353
 Preparation: EPA 3541
 Method: EPA 8270C SIM PAHs

Project: San Diego Shipyards- North

Page 3 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-22A-D-0535-150721 | Sample | Sediment | GC/MS AAA | 07/21/15 | 07/22/15 15:02 | 150721S19 |
| SD-N-C-22A-D-0535-150721 | Matrix Spike | Sediment | GC/MS AAA | 07/21/15 | 07/22/15 14:01 | 150721S19 |
| SD-N-C-22A-D-0535-150721 | Matrix Spike Duplicate | Sediment | GC/MS AAA | 07/21/15 | 07/22/15 14:21 | 150721S19 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-------------------------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Benzo (a) Anthracene | ND | 100.0 | 79.84 | 80 | 72.44 | 72 | 40-160 | 10 | 0-20 | |
| Benzo (a) Pyrene | ND | 100.0 | 88.57 | 89 | 81.04 | 81 | 40-160 | 9 | 0-20 | |
| Chrysene | ND | 100.0 | 80.11 | 80 | 72.30 | 72 | 40-160 | 10 | 0-20 | |
| Dibenz (a,h) Anthracene | ND | 100.0 | 84.36 | 84 | 77.87 | 78 | 40-160 | 8 | 0-20 | |
| Fluoranthene | ND | 100.0 | 82.18 | 82 | 74.95 | 75 | 40-160 | 9 | 0-20 | |

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/21/15
 Work Order: 15-07-1353
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners

Project: San Diego Shipyards- North

Page 4 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-22A-D-0535-150721 | Sample | Sediment | GC/MS HHH | 07/21/15 | 07/22/15 16:04 | 150721S20 |
| SD-N-C-22A-D-0535-150721 | Matrix Spike | Sediment | GC/MS HHH | 07/21/15 | 07/22/15 16:30 | 150721S20 |
| SD-N-C-22A-D-0535-150721 | Matrix Spike Duplicate | Sediment | GC/MS HHH | 07/21/15 | 07/22/15 16:56 | 150721S20 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| PCB018 | ND | 50.00 | 30.39 | 61 | 32.11 | 64 | 50-150 | 6 | 0-25 | |
| PCB028 | ND | 50.00 | 33.31 | 67 | 34.96 | 70 | 50-150 | 5 | 0-25 | |
| PCB044 | ND | 50.00 | 32.78 | 66 | 34.54 | 69 | 50-150 | 5 | 0-25 | |
| PCB052 | ND | 50.00 | 30.73 | 61 | 32.21 | 64 | 50-150 | 5 | 0-25 | |
| PCB066 | ND | 50.00 | 41.14 | 82 | 43.79 | 88 | 50-150 | 6 | 0-25 | |
| PCB077 | ND | 50.00 | 38.14 | 76 | 40.15 | 80 | 50-150 | 5 | 0-25 | |
| PCB101 | ND | 50.00 | 34.28 | 69 | 35.85 | 72 | 50-150 | 4 | 0-25 | |
| PCB105 | ND | 50.00 | 40.69 | 81 | 43.34 | 87 | 50-150 | 6 | 0-25 | |
| PCB118 | ND | 50.00 | 42.43 | 85 | 44.38 | 89 | 50-150 | 5 | 0-25 | |
| PCB126 | ND | 50.00 | 41.44 | 83 | 43.34 | 87 | 50-150 | 4 | 0-25 | |
| PCB128 | ND | 50.00 | 38.18 | 76 | 40.68 | 81 | 50-150 | 6 | 0-25 | |
| PCB170 | ND | 50.00 | 36.37 | 73 | 38.14 | 76 | 50-150 | 5 | 0-25 | |
| PCB180 | 0.2106 | 50.00 | 43.24 | 86 | 45.52 | 91 | 50-150 | 5 | 0-25 | |
| PCB187 | ND | 50.00 | 39.19 | 78 | 41.17 | 82 | 50-150 | 5 | 0-25 | |
| PCB206 | ND | 50.00 | 36.90 | 74 | 37.98 | 76 | 50-150 | 3 | 0-25 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/21/15
 Work Order: 15-07-1353
 Preparation: EPA 3550B (M)
 Method: Organotins by Krone et al.

Project: San Diego Shipyards- North

Page 5 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-22A-D-0535-150721 | Sample | Sediment | GC/MS Y | 07/21/15 | 07/22/15 17:24 | 150721S21 |
| SD-N-C-22A-D-0535-150721 | Matrix Spike | Sediment | GC/MS Y | 07/21/15 | 07/22/15 17:40 | 150721S21 |
| SD-N-C-22A-D-0535-150721 | Matrix Spike Duplicate | Sediment | GC/MS Y | 07/21/15 | 07/22/15 17:55 | 150721S21 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-------------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Tributyltin | 5.607 | 100.0 | 66.92 | 61 | 82.33 | 77 | 34-142 | 21 | 0-50 | |

Quality Control - PDS

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/21/15
 Work Order: 15-07-1353
 Preparation: EPA 3050B
 Method: EPA 6020

Project: San Diego Shipyards- North

Page 1 of 1

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | PDS/PDSD Batch Number |
|---------------------------|--------|----------|------------|----------------|----------------|-----------------------|
| 15-07-0895-24 | Sample | Sediment | ICP/MS 04 | 07/21/15 00:00 | 07/22/15 16:26 | 150721S01 |
| 15-07-0895-24 | PDS | Sediment | ICP/MS 04 | 07/21/15 00:00 | 07/22/15 16:18 | 150721S01 |

| Parameter | Sample Conc. | Spike Added | PDS Conc. | PDS %Rec. | %Rec. CL | Qualifiers |
|-----------|--------------|-------------|-----------|-----------|----------|------------|
| Copper | 2.475 | 25.00 | 27.96 | 102 | 75-125 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - Sample Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/21/15
 Work Order: 15-07-1353
 Preparation: N/A
 Method: SM 2540 B (M)

Project: San Diego Shipyards- North

Page 1 of 1

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | Duplicate Batch Number |
|---------------------------|------------------|----------|------------|----------------|----------------|------------------------|
| SD-N-C-22A-D-0535-150721 | Sample | Sediment | N/A | 07/21/15 00:00 | 07/22/15 13:30 | F0722TSD1 |
| SD-N-C-22A-D-0535-150721 | Sample Duplicate | Sediment | N/A | 07/21/15 00:00 | 07/22/15 13:30 | F0722TSD1 |

| Parameter | Sample Conc. | DUP Conc. | RPD | RPD CL | Qualifiers |
|---------------|--------------|-----------|-----|--------|------------|
| Solids, Total | 78.70 | 78.50 | 0 | 0-10 | |

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/21/15
 Work Order: 15-07-1353
 Preparation: EPA 3050B
 Method: EPA 6020

Project: San Diego Shipyards- North

Page 1 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|------|--------|------------|---------------|----------------|-----------------------|
| 099-15-254-335 | LCS | Solid | ICP/MS 04 | 07/21/15 | 07/22/15 16:03 | 150721L01E |
| 099-15-254-335 | LCSD | Solid | ICP/MS 03 | 07/21/15 | 07/22/15 16:42 | 150721L01E |

| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|-------------|-----------|-----------|------------|------------|----------|-----|--------|------------|
| Copper | 25.00 | 26.93 | 108 | 27.24 | 109 | 80-120 | 1 | 0-20 | |

Return to Contents 

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/21/15
 Work Order: 15-07-1353
 Preparation: EPA 7471A Total
 Method: EPA 7471A

Project: San Diego Shipyards- North

Page 2 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|------|--------|------------|---------------|----------------|-----------------------|
| 099-16-278-151 | LCS | Solid | Mercury 05 | 07/21/15 | 07/22/15 13:46 | 150721L04E |
| 099-16-278-151 | LCSD | Solid | Mercury 05 | 07/21/15 | 07/22/15 13:49 | 150721L04E |

| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|-------------|-----------|-----------|------------|------------|----------|-----|--------|------------|
| Mercury | 0.8350 | 0.9097 | 109 | 0.9140 | 109 | 82-124 | 0 | 0-16 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/21/15
 Work Order: 15-07-1353
 Preparation: EPA 3541
 Method: EPA 8270C SIM PAHs

Project: San Diego Shipyards- North

Page 3 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|------|--------|------------|---------------|----------------|-----------------------|
| 099-14-097-171 | LCS | Solid | GC/MS AAA | 07/21/15 | 07/22/15 13:21 | 150721L19 |
| 099-14-097-171 | LCSD | Solid | GC/MS AAA | 07/21/15 | 07/22/15 13:41 | 150721L19 |

| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-------------------------|-------------|-----------|-----------|------------|------------|----------|-----|--------|------------|
| Benzo (a) Anthracene | 100.0 | 70.62 | 71 | 72.86 | 73 | 40-160 | 3 | 0-20 | |
| Benzo (a) Pyrene | 100.0 | 75.73 | 76 | 78.40 | 78 | 40-160 | 3 | 0-20 | |
| Chrysene | 100.0 | 72.24 | 72 | 75.33 | 75 | 40-160 | 4 | 0-20 | |
| Dibenz (a,h) Anthracene | 100.0 | 74.35 | 74 | 77.86 | 78 | 40-160 | 5 | 0-20 | |
| Fluoranthene | 100.0 | 70.77 | 71 | 73.20 | 73 | 40-160 | 3 | 0-20 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/21/15
 Work Order: 15-07-1353
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners

Project: San Diego Shipyards- North

Page 4 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|------|--------|------------|---------------|----------------|-----------------------|
| 099-16-418-89 | LCS | Solid | GC/MS HHH | 07/21/15 | 07/22/15 14:46 | 150721L20 |
| 099-16-418-89 | LCSD | Solid | GC/MS HHH | 07/21/15 | 07/22/15 15:12 | 150721L20 |

| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | ME CL | RPD | RPD CL | Qualifiers |
|-----------|-------------|-----------|-----------|------------|------------|----------|--------|-----|--------|------------|
| PCB018 | 50.00 | 43.37 | 87 | 40.53 | 81 | 50-150 | 33-167 | 7 | 0-25 | |
| PCB028 | 50.00 | 46.08 | 92 | 44.94 | 90 | 50-150 | 33-167 | 3 | 0-25 | |
| PCB044 | 50.00 | 44.86 | 90 | 44.08 | 88 | 50-150 | 33-167 | 2 | 0-25 | |
| PCB052 | 50.00 | 41.60 | 83 | 40.83 | 82 | 50-150 | 33-167 | 2 | 0-25 | |
| PCB066 | 50.00 | 55.36 | 111 | 54.65 | 109 | 50-150 | 33-167 | 1 | 0-25 | |
| PCB077 | 50.00 | 50.12 | 100 | 49.09 | 98 | 50-150 | 33-167 | 2 | 0-25 | |
| PCB101 | 50.00 | 45.45 | 91 | 44.59 | 89 | 50-150 | 33-167 | 2 | 0-25 | |
| PCB105 | 50.00 | 52.87 | 106 | 52.05 | 104 | 50-150 | 33-167 | 2 | 0-25 | |
| PCB118 | 50.00 | 54.74 | 109 | 53.65 | 107 | 50-150 | 33-167 | 2 | 0-25 | |
| PCB126 | 50.00 | 53.03 | 106 | 52.03 | 104 | 50-150 | 33-167 | 2 | 0-25 | |
| PCB128 | 50.00 | 50.45 | 101 | 49.36 | 99 | 50-150 | 33-167 | 2 | 0-25 | |
| PCB170 | 50.00 | 47.35 | 95 | 47.04 | 94 | 50-150 | 33-167 | 1 | 0-25 | |
| PCB180 | 50.00 | 55.66 | 111 | 54.23 | 108 | 50-150 | 33-167 | 3 | 0-25 | |
| PCB187 | 50.00 | 50.48 | 101 | 49.99 | 100 | 50-150 | 33-167 | 1 | 0-25 | |
| PCB206 | 50.00 | 46.62 | 93 | 46.63 | 93 | 50-150 | 33-167 | 0 | 0-25 | |

Total number of LCS compounds: 15
 Total number of ME compounds: 0
 Total number of ME compounds allowed: 1
 LCS ME CL validation result: Pass

Return to Contents

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/21/15
 Work Order: 15-07-1353
 Preparation: EPA 3550B (M)
 Method: Organotins by Krone et al.

Project: San Diego Shipyards- North

Page 5 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|------|--------|------------|---------------|----------------|-----------------------|
| 099-07-016-1296 | LCS | Solid | GC/MS Y | 07/21/15 | 07/22/15 16:37 | 150721L21 |
| 099-07-016-1296 | LCSD | Solid | GC/MS Y | 07/21/15 | 07/22/15 16:52 | 150721L21 |

| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-------------|-------------|-----------|-----------|------------|------------|----------|-----|--------|------------|
| Tributyltin | 100.0 | 73.92 | 74 | 74.43 | 74 | 33-147 | 1 | 0-20 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

| <u>Qualifiers</u> | <u>Definition</u> |
|-------------------|---|
| * | See applicable analysis comment. |
| < | Less than the indicated value. |
| > | Greater than the indicated value. |
| 1 | Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification. |
| 2 | Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification. |
| 3 | Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control. |
| 4 | The MS/MSD RPD was out of control due to suspected matrix interference. |
| 5 | The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference. |
| 6 | Surrogate recovery below the acceptance limit. |
| 7 | Surrogate recovery above the acceptance limit. |
| B | Analyte was present in the associated method blank. |
| BU | Sample analyzed after holding time expired. |
| BV | Sample received after holding time expired. |
| CI | See case narrative. |
| E | Concentration exceeds the calibration range. |
| ET | Sample was extracted past end of recommended max. holding time. |
| HD | The chromatographic pattern was inconsistent with the profile of the reference fuel standard. |
| HDH | The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected). |
| HDL | The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected). |
| J | Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated. |
| JA | Analyte positively identified but quantitation is an estimate. |
| ME | LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean). |
| ND | Parameter not detected at the indicated reporting limit. |
| Q | Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater. |
| SG | The sample extract was subjected to Silica Gel treatment prior to analysis. |
| X | % Recovery and/or RPD out-of-range. |
| Z | Analyte presence was not confirmed by second column or GC/MS analysis. |
| | Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis. |
| | Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time. |
| | A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations. |

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: ANCHOR QEA

DATE: 07/21/2015

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC5 (CF:-0.2°C); Temperature (w/o CF): 23 °C (w/ CF): 21 °C; Blank Sample

Sample(s) outside temperature criteria (PM/APM contacted by: _____)

Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: Air Filter

Checked by: 671

CUSTODY SEAL:

Cooler Present and Intact Present but Not Intact Not Present N/A

Checked by: 671

Sample(s) Present and Intact Present but Not Intact Not Present N/A

Checked by: 1013

SAMPLE CONDITION:

Yes No N/A

Chain-of-Custody (COC) document(s) received with samples

COC document(s) received complete

Sampling date Sampling time Matrix Number of containers

No analysis requested Not relinquished No relinquished date No relinquished time

Sampler's name indicated on COC

Sample container label(s) consistent with COC

Sample container(s) intact and in good condition

Proper containers for analyses requested

Sufficient volume/mass for analyses requested

Samples received within holding time

Aqueous samples for certain analyses received within 15-minute holding time

pH Residual Chlorine Dissolved Sulfide Dissolved Oxygen

Proper preservation chemical(s) noted on COC and/or sample container

Unpreserved aqueous sample(s) received for certain analyses

Volatile Organics Total Metals Dissolved Metals

Container(s) for certain analysis free of headspace

Volatile Organics Dissolved Gases (RSK-175) Dissolved Oxygen (SM 4500)

Carbon Dioxide (SM 4500) Ferrous Iron (SM 3500) Hydrogen Sulfide (Hach)

Tedlar™ bag(s) free of condensation

CONTAINER TYPE:

(Trip Blank Lot Number: _____)

Aqueous: VOA VOAh VOAna₂ 100PJ 100PJna₂ 125AGB 125AGBh 125AGBp 125PB

125PBz_{anna} 250AGB 250CGB 250CGBs 250PB 250PBn 500AGB 500AGJ 500AGJs

500PB 1AGB 1AGBna₂ 1AGBs 1PB 1PBna _____ _____ _____

Solid: 4ozCGJ 8ozCGJ 16ozCGJ Sleeve (_____) EnCores® (_____) TerraCores® (_____) _____

Air: Tedlar™ Canister Sorbent Tube PUF _____ Other Matrix (_____) _____ _____

Container: A = Amber, B = Bottle, C = Clear, E = Envelope, G = Glass, J = Jar, P = Plastic, and Z = Ziploc/Resealable Bag

Preservative: b = buffered, f = filtered, h = HCl, n = HNO₃, na = NaOH, na₂ = Na₂S₂O₃, p = H₃PO₄, Labeled/Checked by: 1013

s = H₂SO₄, u = ultra-pure, z_{anna} = Zn(CH₃CO₂)₂ + NaOH

Reviewed by: 778

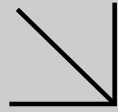
Return to Contents



Environmental
Calscience

Supplemental Report 2

The original report has been revised/corrected.



WORK ORDER NUMBER: 15-07-1627

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: ANCHOR QEA, LLC

Client Project Name: San Diego Shipyards- North

Attention: Adam Gale
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Approved for release on 02/02/2016 by:
Carla Hollowell
Project Manager

ResultLink ▶

Email your PM ▶



Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

Client Project Name: San Diego Shipyards- North
Work Order Number: 15-07-1627

| | | |
|---|--|----|
| 1 | Work Order Narrative. | 3 |
| 2 | Sample Summary. | 4 |
| 3 | Client Sample Data. | 5 |
| | 3.1 SM 2540 B (M) Total Solids (Solid). | 5 |
| | 3.2 EPA 6020 ICP/MS Metals (Solid). | 6 |
| | 3.3 EPA 7471A Mercury (Solid). | 7 |
| | 3.4 EPA 8270C SIM PAHs (Solid). | 8 |
| | 3.5 EPA 8270C SIM PCB Congeners (Solid). | 9 |
| | 3.6 Krone et al. Organotins (Solid). | 13 |
| 4 | Quality Control Sample Data. | 14 |
| | 4.1 MS/MSD. | 14 |
| | 4.2 PDS/PDSD. | 19 |
| | 4.3 Sample Duplicate. | 20 |
| | 4.4 LCS/LCSD. | 21 |
| 5 | Glossary of Terms and Qualifiers. | 26 |
| 6 | Chain-of-Custody/Sample Receipt Form. | 27 |

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 07/24/15. They were assigned to Work Order 15-07-1627.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of ≤ 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

Sample Summary

| | |
|------------------------------|--|
| Client: ANCHOR QEA, LLC | Work Order: 15-07-1627 |
| 27201 Puerta Real, Suite 350 | Project Name: San Diego Shipyards- North |
| Mission Viejo, CA 92691-8306 | PO Number: |
| | Date/Time Received: 07/24/15 19:05 |
| | Number of Containers: 2 |

Attn: Adam Gale

| Sample Identification | Lab Number | Collection Date and Time | Number of Containers | Matrix |
|--------------------------|--------------|--------------------------|----------------------|----------|
| SD-N-C-22B-D-0535-150724 | 15-07-1627-2 | 07/24/15 09:08 | 1 | Sediment |


[Return to Contents](#)

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/24/15
 Work Order: 15-07-1627
 Preparation: N/A
 Method: SM 2540 B (M)
 Units: %

Project: San Diego Shipyards- North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-22B-D-0535-150724 | 15-07-1627-2-AA | 07/24/15 09:08 | Sediment | N/A | 07/24/15 | 07/25/15 14:00 | F0725TSB1 |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|---------------|--------|-------|-------|------|------------|
| Solids, Total | 81.4 | 0.100 | 0.100 | 1.00 | |

| Method Blank | 099-05-019-2960 | N/A | Solid | N/A | 07/24/15 | 07/25/15 14:00 | F0725TSB1 |
|--------------|-----------------|-----|-------|-----|----------|-------------------|-----------|
|--------------|-----------------|-----|-------|-----|----------|-------------------|-----------|

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|---------------|--------|-------|-------|------|------------|
| Solids, Total | ND | 0.100 | 0.100 | 1.00 | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/24/15
 Work Order: 15-07-1627
 Preparation: EPA 3050B
 Method: EPA 6020
 Units: mg/kg

Project: San Diego Shipyards- North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-22B-D-0535-150724 | 15-07-1627-2-AA | 07/24/15 09:08 | Sediment | ICP/MS 04 | 07/24/15 | 07/27/15 14:01 | 150724L06E |

Comment(s): - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|-------|--------|------|------------|
| Copper | 12.4 | 0.123 | 0.0515 | 1.00 | |

| Method Blank | 099-15-254-337 | N/A | Solid | ICP/MS 04 | 07/24/15 | 07/27/15 14:05 | 150724L06E |
|--------------|----------------|-----|-------|-----------|----------|----------------|------------|
|--------------|----------------|-----|-------|-----------|----------|----------------|------------|

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|-------|--------|------|------------|
| Copper | ND | 0.100 | 0.0419 | 1.00 | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/24/15
 Work Order: 15-07-1627
 Preparation: EPA 7471A Total
 Method: EPA 7471A
 Units: mg/kg

Project: San Diego Shipyards- North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-22B-D-0535-150724 | 15-07-1627-2-AA | 07/24/15 09:08 | Sediment | Mercury 05 | 07/25/15 | 07/25/15 12:57 | 150725L01E |

Comment(s):
 - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|---------|--------|---------|------|------------|
| Mercury | 0.00769 | 0.0238 | 0.00698 | 1.00 | J |

| Method Blank | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-16-278-152 | N/A | Solid | Mercury 05 | 07/25/15 | 07/25/15 12:26 | 150725L01E |

Comment(s):
 - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|--------|---------|------|------------|
| Mercury | ND | 0.0200 | 0.00587 | 1.00 | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/24/15
 Work Order: 15-07-1627
 Preparation: EPA 3541
 Method: EPA 8270C SIM PAHs
 Units: ug/kg

Project: San Diego Shipyards- North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-22B-D-0535-150724 | 15-07-1627-2-AA | 07/24/15 09:08 | Sediment | GC/MS EEE | 07/24/15 | 07/27/15 12:48 | 150724L20 |

Comment(s): - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-------------------------|--------|----|-----|------|------------|
| Benzo (a) Anthracene | 45 | 12 | 2.6 | 1.00 | |
| Benzo (a) Pyrene | 51 | 12 | 2.3 | 1.00 | |
| Chrysene | 69 | 12 | 2.7 | 1.00 | |
| Dibenz (a,h) Anthracene | 8.9 | 12 | 2.4 | 1.00 | J |
| Fluoranthene | 110 | 12 | 2.2 | 1.00 | |
| Perylene | 9.7 | 12 | 2.9 | 1.00 | J |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|------------------|----------|----------------|------------|
| 2-Fluorobiphenyl | 65 | 14-146 | |
| Nitrobenzene-d5 | 80 | 18-162 | |
| p-Terphenyl-d14 | 74 | 34-148 | |

| Method Blank | 099-14-097-172 | N/A | Solid | GC/MS EEE | 07/24/15 | 07/27/15 12:26 | 150724L20 |
|--------------|----------------|-----|-------|-----------|----------|----------------|-----------|
|--------------|----------------|-----|-------|-----------|----------|----------------|-----------|

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-------------------------|--------|----|-----|------|------------|
| Benzo (a) Anthracene | ND | 10 | 2.2 | 1.00 | |
| Benzo (a) Pyrene | ND | 10 | 1.8 | 1.00 | |
| Chrysene | ND | 10 | 2.2 | 1.00 | |
| Dibenz (a,h) Anthracene | ND | 10 | 2.0 | 1.00 | |
| Fluoranthene | ND | 10 | 1.8 | 1.00 | |
| Perylene | ND | 10 | 2.4 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|------------------|----------|----------------|------------|
| 2-Fluorobiphenyl | 73 | 14-146 | |
| Nitrobenzene-d5 | 90 | 18-162 | |
| p-Terphenyl-d14 | 81 | 34-148 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/24/15
 Work Order: 15-07-1627
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyards- North

Page 1 of 4

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-22B-D-0535-150724 | 15-07-1627-2-AA | 07/24/15 09:08 | Sediment | GC/MS HHH | 07/24/15 | 07/27/15 14:00 | 150724L21 |

Comment(s):
 - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|------------|--------|------|-------|------|------------|
| PCB018 | 0.51 | 0.24 | 0.087 | 1.00 | |
| PCB028 | 0.28 | 0.24 | 0.041 | 1.00 | |
| PCB037 | ND | 0.24 | 0.074 | 1.00 | |
| PCB044 | 0.37 | 0.24 | 0.11 | 1.00 | |
| PCB049 | 0.14 | 0.24 | 0.14 | 1.00 | J |
| PCB052 | 0.38 | 0.24 | 0.077 | 1.00 | |
| PCB066 | 0.28 | 0.24 | 0.13 | 1.00 | |
| PCB070 | 0.16 | 0.24 | 0.073 | 1.00 | J |
| PCB074 | ND | 0.24 | 0.11 | 1.00 | |
| PCB077 | 0.19 | 0.24 | 0.095 | 1.00 | J |
| PCB081 | ND | 0.24 | 0.15 | 1.00 | |
| PCB087 | 0.15 | 0.24 | 0.13 | 1.00 | J |
| PCB099 | 0.20 | 0.24 | 0.074 | 1.00 | J |
| PCB101 | 0.49 | 0.24 | 0.12 | 1.00 | |
| PCB105 | 0.30 | 0.24 | 0.067 | 1.00 | |
| PCB110 | 0.34 | 0.24 | 0.056 | 1.00 | |
| PCB114 | ND | 0.24 | 0.10 | 1.00 | |
| PCB118 | 0.50 | 0.24 | 0.10 | 1.00 | |
| PCB119 | ND | 0.24 | 0.12 | 1.00 | |
| PCB123 | ND | 0.24 | 0.13 | 1.00 | |
| PCB126 | 0.16 | 0.24 | 0.098 | 1.00 | J |
| PCB128 | 0.25 | 0.24 | 0.12 | 1.00 | |
| PCB132/153 | 0.88 | 0.49 | 0.21 | 1.00 | |
| PCB138/158 | 0.61 | 0.49 | 0.12 | 1.00 | |
| PCB149 | 0.38 | 0.24 | 0.12 | 1.00 | |
| PCB151 | ND | 0.24 | 0.082 | 1.00 | |
| PCB156 | ND | 0.24 | 0.070 | 1.00 | |
| PCB157 | ND | 0.24 | 0.064 | 1.00 | |
| PCB167 | ND | 0.24 | 0.075 | 1.00 | |
| PCB168 | ND | 0.24 | 0.060 | 1.00 | |
| PCB169 | 0.24 | 0.24 | 0.074 | 1.00 | J |
| PCB170 | 0.36 | 0.24 | 0.078 | 1.00 | |
| PCB177 | ND | 0.24 | 0.11 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/24/15
 Work Order: 15-07-1627
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyards- North

Page 2 of 4

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|-----------------|-----------------------|-------------------|-----------|-------------------|
| PCB180 | 0.58 | 0.24 | 0.051 | 1.00 | |
| PCB183 | ND | 0.24 | 0.13 | 1.00 | |
| PCB187 | 0.69 | 0.24 | 0.10 | 1.00 | |
| PCB189 | ND | 0.24 | 0.075 | 1.00 | |
| PCB194 | 0.55 | 0.24 | 0.14 | 1.00 | |
| PCB201 | 0.26 | 0.24 | 0.12 | 1.00 | |
| PCB206 | 1.7 | 0.24 | 0.24 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | | |
| 2-Fluorobiphenyl | 66 | 50-150 | | | |
| p-Terphenyl-d14 | 73 | 50-150 | | | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/24/15
 Work Order: 15-07-1627
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyards- North

Page 3 of 4

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-16-418-90 | N/A | Solid | GC/MS HHH | 07/24/15 | 07/27/15 13:08 | 150724L21 |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|------------|--------|------|-------|------|------------|
| PCB018 | ND | 0.20 | 0.071 | 1.00 | |
| PCB028 | ND | 0.20 | 0.034 | 1.00 | |
| PCB037 | ND | 0.20 | 0.060 | 1.00 | |
| PCB044 | ND | 0.20 | 0.087 | 1.00 | |
| PCB049 | ND | 0.20 | 0.11 | 1.00 | |
| PCB052 | ND | 0.20 | 0.063 | 1.00 | |
| PCB066 | ND | 0.20 | 0.10 | 1.00 | |
| PCB070 | ND | 0.20 | 0.060 | 1.00 | |
| PCB074 | ND | 0.20 | 0.087 | 1.00 | |
| PCB077 | ND | 0.20 | 0.078 | 1.00 | |
| PCB081 | ND | 0.20 | 0.12 | 1.00 | |
| PCB087 | ND | 0.20 | 0.11 | 1.00 | |
| PCB099 | ND | 0.20 | 0.061 | 1.00 | |
| PCB101 | ND | 0.20 | 0.098 | 1.00 | |
| PCB105 | ND | 0.20 | 0.055 | 1.00 | |
| PCB110 | ND | 0.20 | 0.046 | 1.00 | |
| PCB114 | ND | 0.20 | 0.082 | 1.00 | |
| PCB118 | ND | 0.20 | 0.084 | 1.00 | |
| PCB119 | ND | 0.20 | 0.094 | 1.00 | |
| PCB123 | ND | 0.20 | 0.10 | 1.00 | |
| PCB126 | ND | 0.20 | 0.080 | 1.00 | |
| PCB128 | ND | 0.20 | 0.10 | 1.00 | |
| PCB132/153 | ND | 0.40 | 0.17 | 1.00 | |
| PCB138/158 | ND | 0.40 | 0.094 | 1.00 | |
| PCB149 | ND | 0.20 | 0.098 | 1.00 | |
| PCB151 | ND | 0.20 | 0.067 | 1.00 | |
| PCB156 | ND | 0.20 | 0.058 | 1.00 | |
| PCB157 | ND | 0.20 | 0.052 | 1.00 | |
| PCB167 | ND | 0.20 | 0.062 | 1.00 | |
| PCB168 | ND | 0.20 | 0.049 | 1.00 | |
| PCB169 | ND | 0.20 | 0.061 | 1.00 | |
| PCB170 | ND | 0.20 | 0.063 | 1.00 | |
| PCB177 | ND | 0.20 | 0.087 | 1.00 | |
| PCB180 | ND | 0.20 | 0.042 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/24/15
 Work Order: 15-07-1627
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyards- North

Page 4 of 4

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|-----------------|-----------------------|-------------------|-----------|-------------------|
| PCB183 | ND | 0.20 | 0.11 | 1.00 | |
| PCB187 | ND | 0.20 | 0.084 | 1.00 | |
| PCB189 | ND | 0.20 | 0.061 | 1.00 | |
| PCB194 | ND | 0.20 | 0.11 | 1.00 | |
| PCB201 | ND | 0.20 | 0.097 | 1.00 | |
| PCB206 | ND | 0.20 | 0.19 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | | |
| 2-Fluorobiphenyl | 59 | 50-150 | | | |
| p-Terphenyl-d14 | 72 | 50-150 | | | |

Return to Contents 

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/24/15
 Work Order: 15-07-1627
 Preparation: EPA 3550B (M)
 Method: Organotins by Krone et al.
 Units: ug/kg

Project: San Diego Shipyards- North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-22B-D-0535-150724 | 15-07-1627-2-AA | 07/24/15 09:08 | Sediment | GC/MS Y | 07/27/15 | 07/27/15 18:08 | 150727L07 |

Comment(s): - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|--------------|----------|----------------|------------|------|------------|
| Tributyltin | 3.4 | 3.6 | 1.8 | 1.00 | J |
| Surrogate | Rec. (%) | Control Limits | Qualifiers | | |
| Tripentyltin | 83 | 27-135 | | | |

| Method Blank | 099-07-016-1297 | N/A | Solid | GC/MS Y | 07/27/15 | 07/27/15 17:52 | 150727L07 |
|--------------|-----------------|-----|-------|---------|----------|----------------|-----------|
|--------------|-----------------|-----|-------|---------|----------|----------------|-----------|

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|--------------|----------|----------------|------------|------|------------|
| Tributyltin | ND | 3.0 | 1.5 | 1.00 | |
| Surrogate | Rec. (%) | Control Limits | Qualifiers | | |
| Tripentyltin | 110 | 27-135 | | | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/24/15
 Work Order: 15-07-1627
 Preparation: EPA 3050B
 Method: EPA 6020

Project: San Diego Shipyards- North

Page 1 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|--------|------------|---------------|----------------|---------------------|
| 15-07-1440-41 | Sample | Solid | ICP/MS 04 | 07/24/15 | 07/27/15 14:28 | 150724S06 |
| 15-07-1440-41 | Matrix Spike | Solid | ICP/MS 04 | 07/24/15 | 07/27/15 14:13 | 150724S06 |
| 15-07-1440-41 | Matrix Spike Duplicate | Solid | ICP/MS 04 | 07/24/15 | 07/27/15 14:16 | 150724S06 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Copper | 10.38 | 25.00 | 38.63 | 113 | 38.51 | 113 | 25-157 | 0 | 0-22 | |

Return to Contents 

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/24/15
 Work Order: 15-07-1627
 Preparation: EPA 7471A Total
 Method: EPA 7471A

Project: San Diego Shipyards- North

Page 2 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|--------|------------|---------------|----------------|---------------------|
| 15-07-0922-10 | Sample | Solid | Mercury 05 | 07/25/15 | 07/25/15 12:30 | 150725S01 |
| 15-07-0922-10 | Matrix Spike | Solid | Mercury 05 | 07/25/15 | 07/25/15 12:32 | 150725S01 |
| 15-07-0922-10 | Matrix Spike Duplicate | Solid | Mercury 05 | 07/25/15 | 07/25/15 12:35 | 150725S01 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Mercury | ND | 0.8350 | 0.8396 | 101 | 0.8633 | 103 | 71-137 | 3 | 0-14 | |

Return to Contents 

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/24/15
 Work Order: 15-07-1627
 Preparation: EPA 3541
 Method: EPA 8270C SIM PAHs

Project: San Diego Shipyards- North

Page 3 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-22B-D-0535-150724 | Sample | Sediment | GC/MS EEE | 07/24/15 | 07/27/15 12:48 | 150724S20 |
| SD-N-C-22B-D-0535-150724 | Matrix Spike | Sediment | GC/MS EEE | 07/24/15 | 07/27/15 13:10 | 150724S20 |
| SD-N-C-22B-D-0535-150724 | Matrix Spike Duplicate | Sediment | GC/MS EEE | 07/24/15 | 07/27/15 13:32 | 150724S20 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-------------------------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Benzo (a) Anthracene | 36.30 | 100.0 | 104.7 | 68 | 103.5 | 67 | 40-160 | 1 | 0-20 | |
| Benzo (a) Pyrene | 41.91 | 100.0 | 119.1 | 77 | 117.9 | 76 | 40-160 | 1 | 0-20 | |
| Chrysene | 55.95 | 100.0 | 121.3 | 65 | 120.6 | 65 | 40-160 | 1 | 0-20 | |
| Dibenz (a,h) Anthracene | ND | 100.0 | 89.38 | 89 | 85.97 | 86 | 40-160 | 4 | 0-20 | |
| Fluoranthene | 87.33 | 100.0 | 159.8 | 72 | 157.4 | 70 | 40-160 | 2 | 0-20 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/24/15
 Work Order: 15-07-1627
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners

Project: San Diego Shipyards- North

Page 4 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-22B-D-0535-150724 | Sample | Sediment | GC/MS HHH | 07/24/15 | 07/27/15 14:00 | 150724S21 |
| SD-N-C-22B-D-0535-150724 | Matrix Spike | Sediment | GC/MS HHH | 07/24/15 | 07/27/15 14:26 | 150724S21 |
| SD-N-C-22B-D-0535-150724 | Matrix Spike Duplicate | Sediment | GC/MS HHH | 07/24/15 | 07/27/15 14:51 | 150724S21 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| PCB018 | 0.4174 | 50.00 | 30.56 | 60 | 34.00 | 67 | 50-150 | 11 | 0-25 | |
| PCB028 | 0.2301 | 50.00 | 33.35 | 66 | 36.75 | 73 | 50-150 | 10 | 0-25 | |
| PCB044 | 0.2983 | 50.00 | 32.20 | 64 | 35.24 | 70 | 50-150 | 9 | 0-25 | |
| PCB052 | 0.3118 | 50.00 | 30.29 | 60 | 33.01 | 65 | 50-150 | 9 | 0-25 | |
| PCB066 | 0.2253 | 50.00 | 39.28 | 78 | 43.25 | 86 | 50-150 | 10 | 0-25 | |
| PCB077 | ND | 50.00 | 36.33 | 73 | 39.84 | 80 | 50-150 | 9 | 0-25 | |
| PCB101 | 0.4002 | 50.00 | 33.08 | 65 | 36.22 | 72 | 50-150 | 9 | 0-25 | |
| PCB105 | 0.2433 | 50.00 | 39.06 | 78 | 42.25 | 84 | 50-150 | 8 | 0-25 | |
| PCB118 | 0.4057 | 50.00 | 40.33 | 80 | 43.81 | 87 | 50-150 | 8 | 0-25 | |
| PCB126 | ND | 50.00 | 39.35 | 79 | 42.68 | 85 | 50-150 | 8 | 0-25 | |
| PCB128 | 0.2028 | 50.00 | 36.68 | 73 | 39.79 | 79 | 50-150 | 8 | 0-25 | |
| PCB170 | 0.2936 | 50.00 | 35.91 | 71 | 39.56 | 79 | 50-150 | 10 | 0-25 | |
| PCB180 | 0.4745 | 50.00 | 41.08 | 81 | 44.80 | 89 | 50-150 | 9 | 0-25 | |
| PCB187 | 0.5604 | 50.00 | 37.12 | 73 | 40.05 | 79 | 50-150 | 8 | 0-25 | |
| PCB206 | 1.368 | 50.00 | 37.41 | 72 | 40.80 | 79 | 50-150 | 9 | 0-25 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/24/15
 Work Order: 15-07-1627
 Preparation: EPA 3550B (M)
 Method: Organotins by Krone et al.

Project: San Diego Shipyards- North

Page 5 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-22B-D-0535-150724 | Sample | Sediment | GC/MS Y | 07/27/15 | 07/27/15 18:08 | 150727S07 |
| SD-N-C-22B-D-0535-150724 | Matrix Spike | Sediment | GC/MS Y | 07/27/15 | 07/27/15 18:24 | 150727S07 |
| SD-N-C-22B-D-0535-150724 | Matrix Spike Duplicate | Sediment | GC/MS Y | 07/27/15 | 07/27/15 18:39 | 150727S07 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-------------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Tributyltin | ND | 100.0 | 120.4 | 120 | 114.6 | 115 | 34-142 | 5 | 0-50 | |

Return to Contents 

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - PDS

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/24/15
 Work Order: 15-07-1627
 Preparation: EPA 3050B
 Method: EPA 6020

Project: San Diego Shipyards- North

Page 1 of 1

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | PDS/PDSD Batch Number |
|---------------------------|--------|--------|------------|----------------|----------------|-----------------------|
| 15-07-1440-41 | Sample | Solid | ICP/MS 04 | 07/24/15 00:00 | 07/27/15 14:28 | 150724S06 |
| 15-07-1440-41 | PDS | Solid | ICP/MS 04 | 07/24/15 00:00 | 07/27/15 14:20 | 150724S06 |

| <u>Parameter</u> | <u>Sample Conc.</u> | <u>Spike Added</u> | <u>PDS Conc.</u> | <u>PDS %Rec.</u> | <u>%Rec. CL</u> | <u>Qualifiers</u> |
|------------------|---------------------|--------------------|------------------|------------------|-----------------|-------------------|
| Copper | 10.38 | 25.00 | 36.94 | 106 | 75-125 | |

Return to Contents

Quality Control - Sample Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/24/15
 Work Order: 15-07-1627
 Preparation: N/A
 Method: SM 2540 B (M)

Project: San Diego Shipyards- North

Page 1 of 1

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | Duplicate Batch Number |
|---------------------------|------------------|----------|------------|----------------|----------------|------------------------|
| SD-N-C-22B-D-0535-150724 | Sample | Sediment | N/A | 07/24/15 00:00 | 07/25/15 14:00 | F0725TSD1 |
| SD-N-C-22B-D-0535-150724 | Sample Duplicate | Sediment | N/A | 07/24/15 00:00 | 07/25/15 14:00 | F0725TSD1 |

| Parameter | Sample Conc. | DUP Conc. | RPD | RPD CL | Qualifiers |
|---------------|--------------|-----------|-----|--------|------------|
| Solids, Total | 81.40 | 81.20 | 0 | 0-10 | |

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/24/15
 Work Order: 15-07-1627
 Preparation: EPA 3050B
 Method: EPA 6020

Project: San Diego Shipyards- North

Page 1 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|------|--------|------------|---------------|----------------|-----------------------|
| 099-15-254-337 | LCS | Solid | ICP/MS 04 | 07/24/15 | 07/27/15 14:09 | 150724L06E |
| 099-15-254-337 | LCSD | Solid | ICP/MS 04 | 07/24/15 | 07/27/15 20:22 | 150724L06E |

| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|-------------|-----------|-----------|------------|------------|----------|-----|--------|------------|
| Copper | 25.00 | 27.27 | 109 | 26.10 | 104 | 80-120 | 4 | 0-20 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/24/15
 Work Order: 15-07-1627
 Preparation: EPA 7471A Total
 Method: EPA 7471A

Project: San Diego Shipyards- North

Page 2 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|-------------|--------------|-------------------|-----------------|-----------------------|-----------------------|
| 099-16-278-152 | LCS | Solid | Mercury 05 | 07/25/15 | 07/25/15 12:28 | 150725L01E |
| 099-16-278-152 | LCSD | Solid | Mercury 05 | 07/25/15 | 07/27/15 17:58 | 150725L01E |

| <u>Parameter</u> | <u>Spike Added</u> | <u>LCS Conc.</u> | <u>LCS %Rec.</u> | <u>LCSD Conc.</u> | <u>LCSD %Rec.</u> | <u>%Rec. CL</u> | <u>RPD</u> | <u>RPD CL</u> | <u>Qualifiers</u> |
|------------------|--------------------|------------------|------------------|-------------------|-------------------|-----------------|------------|---------------|-------------------|
| Mercury | 0.8350 | 0.8750 | 105 | 0.8728 | 105 | 82-124 | 0 | 0-16 | |

Return to Contents 

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/24/15
 Work Order: 15-07-1627
 Preparation: EPA 3541
 Method: EPA 8270C SIM PAHs

Project: San Diego Shipyards- North

Page 3 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|------|--------|------------|---------------|----------------|-----------------------|
| 099-14-097-172 | LCS | Solid | GC/MS EEE | 07/24/15 | 07/27/15 11:43 | 150724L20 |
| 099-14-097-172 | LCSD | Solid | GC/MS EEE | 07/24/15 | 07/27/15 12:04 | 150724L20 |

| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-------------------------|-------------|-----------|-----------|------------|------------|----------|-----|--------|------------|
| Benzo (a) Anthracene | 100.0 | 82.48 | 82 | 79.74 | 80 | 40-160 | 3 | 0-20 | |
| Benzo (a) Pyrene | 100.0 | 90.26 | 90 | 86.98 | 87 | 40-160 | 4 | 0-20 | |
| Chrysene | 100.0 | 79.61 | 80 | 77.19 | 77 | 40-160 | 3 | 0-20 | |
| Dibenz (a,h) Anthracene | 100.0 | 94.62 | 95 | 90.39 | 90 | 40-160 | 5 | 0-20 | |
| Fluoranthene | 100.0 | 85.67 | 86 | 81.73 | 82 | 40-160 | 5 | 0-20 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/24/15
 Work Order: 15-07-1627
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners

Project: San Diego Shipyards- North

Page 4 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|------|--------|------------|---------------|----------------|-----------------------|
| 099-16-418-90 | LCS | Solid | GC/MS HHH | 07/24/15 | 07/27/15 12:16 | 150724L21 |
| 099-16-418-90 | LCSD | Solid | GC/MS HHH | 07/24/15 | 07/27/15 12:42 | 150724L21 |

| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | ME CL | RPD | RPD CL | Qualifiers |
|-----------|-------------|-----------|-----------|------------|------------|----------|--------|-----|--------|------------|
| PCB018 | 50.00 | 26.10 | 52 | 27.52 | 55 | 50-150 | 33-167 | 5 | 0-25 | |
| PCB028 | 50.00 | 28.82 | 58 | 30.38 | 61 | 50-150 | 33-167 | 5 | 0-25 | |
| PCB044 | 50.00 | 28.92 | 58 | 30.44 | 61 | 50-150 | 33-167 | 5 | 0-25 | |
| PCB052 | 50.00 | 26.76 | 54 | 28.11 | 56 | 50-150 | 33-167 | 5 | 0-25 | |
| PCB066 | 50.00 | 37.13 | 74 | 39.26 | 79 | 50-150 | 33-167 | 6 | 0-25 | |
| PCB077 | 50.00 | 34.71 | 69 | 37.47 | 75 | 50-150 | 33-167 | 8 | 0-25 | |
| PCB101 | 50.00 | 30.76 | 62 | 32.70 | 65 | 50-150 | 33-167 | 6 | 0-25 | |
| PCB105 | 50.00 | 36.91 | 74 | 40.12 | 80 | 50-150 | 33-167 | 8 | 0-25 | |
| PCB118 | 50.00 | 38.32 | 77 | 41.35 | 83 | 50-150 | 33-167 | 8 | 0-25 | |
| PCB126 | 50.00 | 37.14 | 74 | 40.97 | 82 | 50-150 | 33-167 | 10 | 0-25 | |
| PCB128 | 50.00 | 34.52 | 69 | 38.14 | 76 | 50-150 | 33-167 | 10 | 0-25 | |
| PCB170 | 50.00 | 36.87 | 74 | 40.42 | 81 | 50-150 | 33-167 | 9 | 0-25 | |
| PCB180 | 50.00 | 38.18 | 76 | 43.18 | 86 | 50-150 | 33-167 | 12 | 0-25 | |
| PCB187 | 50.00 | 34.56 | 69 | 38.03 | 76 | 50-150 | 33-167 | 10 | 0-25 | |
| PCB206 | 50.00 | 36.58 | 73 | 40.00 | 80 | 50-150 | 33-167 | 9 | 0-25 | |

Total number of LCS compounds: 15
 Total number of ME compounds: 0
 Total number of ME compounds allowed: 1
 LCS ME CL validation result: Pass

Return to Contents

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/24/15
 Work Order: 15-07-1627
 Preparation: EPA 3550B (M)
 Method: Organotins by Krone et al.

Project: San Diego Shipyards- North

Page 5 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|------|--------|------------|---------------|----------------|-----------------------|
| 099-07-016-1297 | LCS | Solid | GC/MS Y | 07/27/15 | 07/27/15 19:12 | 150727L07 |
| 099-07-016-1297 | LCSD | Solid | GC/MS Y | 07/27/15 | 07/27/15 19:28 | 150727L07 |

| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-------------|-------------|-----------|-----------|------------|------------|----------|-----|--------|------------|
| Tributyltin | 100.0 | 72.18 | 72 | 60.51 | 61 | 33-147 | 18 | 0-20 | |

Return to Contents 

RPD: Relative Percent Difference. CL: Control Limits

| <u>Qualifiers</u> | <u>Definition</u> |
|-------------------|---|
| * | See applicable analysis comment. |
| < | Less than the indicated value. |
| > | Greater than the indicated value. |
| 1 | Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification. |
| 2 | Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification. |
| 3 | Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control. |
| 4 | The MS/MSD RPD was out of control due to suspected matrix interference. |
| 5 | The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference. |
| 6 | Surrogate recovery below the acceptance limit. |
| 7 | Surrogate recovery above the acceptance limit. |
| B | Analyte was present in the associated method blank. |
| BU | Sample analyzed after holding time expired. |
| BV | Sample received after holding time expired. |
| CI | See case narrative. |
| E | Concentration exceeds the calibration range. |
| ET | Sample was extracted past end of recommended max. holding time. |
| HD | The chromatographic pattern was inconsistent with the profile of the reference fuel standard. |
| HDH | The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected). |
| HDL | The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected). |
| J | Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated. |
| JA | Analyte positively identified but quantitation is an estimate. |
| ME | LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean). |
| ND | Parameter not detected at the indicated reporting limit. |
| Q | Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater. |
| SG | The sample extract was subjected to Silica Gel treatment prior to analysis. |
| X | % Recovery and/or RPD out-of-range. |
| Z | Analyte presence was not confirmed by second column or GC/MS analysis. |
| | Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis. |
| | Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time. |
| | A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations. |

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: ANCHOR QEA

DATE: 07/24/2015

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC5 (CF:-0.2°C); Temperature (w/o CF): 2.4 °C (w/ CF): 2.2 °C; [x] Blank [] Sample

[] Sample(s) outside temperature criteria (PM/APM contacted by: _____)

[] Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

[] Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: [] Air [] Filter

Checked by: 671

CUSTODY SEAL:

Cooler [] Present and Intact [] Present but Not Intact [x] Not Present [] N/A

Checked by: 671

Sample(s) [] Present and Intact [] Present but Not Intact [x] Not Present [] N/A

Checked by: 802

SAMPLE CONDITION:

Table with columns: Yes, No, N/A. Rows include Chain-of-Custody (COC) document(s) received with samples, COC document(s) received complete, Sampler's name indicated on COC, Sample container label(s) consistent with COC, etc.

CONTAINER TYPE:

(Trip Blank Lot Number: _____)

Aqueous: [] VOA [] VOAh [] VOAna2 [] 100PJ [] 100PJna2 [] 125AGB [] 125AGBh [] 125AGBp [] 125PB

[] 125PBzanna [] 250AGB [] 250CGB [] 250CGBs [] 250PB [] 250PBn [] 500AGB [] 500AGJ [] 500AGJs

[] 500PB [] 1AGB [] 1AGBna2 [] 1AGBs [] 1PB [] 1PBna [] _____ [] _____ [] _____ [] _____

Solid: [] 4ozCGJ [x] 8ozCGJ [x] 16ozCGJ [] Sleeve (____) [] EnCores® (____) [] TerraCores® (____) [] _____

Air: [] Tedlar™ [] Canister [] Sorbent Tube [] PUF [] _____ Other Matrix (____): [] _____ [] _____

Container: A = Amber, B = Bottle, C = Clear, E = Envelope, G = Glass, J = Jar, P = Plastic, and Z = Ziploc/Resealable Bag

Preservative: b = buffered, f = filtered, h = HCl, n = HNO3, na = NaOH, na2 = Na2S2O3, p = H3PO4, Labeled/Checked by: 802

s = H2SO4, u = ultra-pure, zanna = Zn(CH3CO2)2 + NaOH

Reviewed by: 165



Environmental
Calscience

Supplemental Report 3

The original report has been revised/corrected.



WORK ORDER NUMBER: 15-07-1996

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: ANCHOR QEA, LLC

Client Project Name: San Diego Shipyards- North

Attention: Adam Gale
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Approved for release on 02/02/2016 by:
Carla Hollowell
Project Manager

ResultLink ▶

Email your PM ▶



Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

Client Project Name: San Diego Shipyards- North
Work Order Number: 15-07-1996

| | | |
|---|--|----|
| 1 | Work Order Narrative. | 3 |
| 2 | Sample Summary. | 4 |
| 3 | Client Sample Data. | 5 |
| | 3.1 SM 2540 B (M) Total Solids (Solid). | 5 |
| | 3.2 EPA 6020 ICP/MS Metals (Solid). | 6 |
| | 3.3 EPA 7471A Mercury (Solid). | 7 |
| | 3.4 EPA 8270C SIM PAHs (Solid). | 8 |
| | 3.5 EPA 8270C SIM PCB Congeners (Solid). | 10 |
| | 3.6 Krone et al. Organotins (Solid). | 16 |
| 4 | Quality Control Sample Data. | 17 |
| | 4.1 MS/MSD. | 17 |
| | 4.2 PDS/PDSD. | 22 |
| | 4.3 Sample Duplicate. | 23 |
| | 4.4 LCS/LCSD. | 24 |
| 5 | Glossary of Terms and Qualifiers. | 29 |
| 6 | Chain-of-Custody/Sample Receipt Form. | 30 |

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 07/30/15. They were assigned to Work Order 15-07-1996.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of ≤ 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

Sample Summary

| | |
|------------------------------|--|
| Client: ANCHOR QEA, LLC | Work Order: 15-07-1996 |
| 27201 Puerta Real, Suite 350 | Project Name: San Diego Shipyards- North |
| Mission Viejo, CA 92691-8306 | PO Number: |
| | Date/Time Received: 07/30/15 18:50 |
| | Number of Containers: 8 |

Attn: Adam Gale

| Sample Identification | Lab Number | Collection Date and Time | Number of Containers | Matrix |
|--------------------------|--------------|--------------------------|----------------------|----------|
| SD-N-C-01A-D-0535-150730 | 15-07-1996-2 | 07/30/15 11:05 | 1 | Sediment |
| SD-N-C-01C-D-0535-150730 | 15-07-1996-4 | 07/30/15 09:18 | 1 | Sediment |

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/30/15
 Work Order: 15-07-1996
 Preparation: N/A
 Method: SM 2540 B (M)
 Units: %

Project: San Diego Shipyards- North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-01A-D-0535-150730 | 15-07-1996-2-AA | 07/30/15 11:05 | Sediment | N/A | 07/30/15 | 07/31/15 13:30 | F0731TSB1 |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|---------------|--------|-------|-------|------|------------|
| Solids, Total | 74.2 | 0.100 | 0.100 | 1.00 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-01C-D-0535-150730 | 15-07-1996-4-AA | 07/30/15 09:18 | Sediment | N/A | 07/30/15 | 07/31/15 13:30 | F0731TSB1 |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|---------------|--------|-------|-------|------|------------|
| Solids, Total | 87.1 | 0.100 | 0.100 | 1.00 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-05-019-2967 | N/A | Solid | N/A | 07/30/15 | 07/31/15 13:30 | F0731TSB1 |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|---------------|--------|-------|-------|------|------------|
| Solids, Total | ND | 0.100 | 0.100 | 1.00 | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/30/15
 Work Order: 15-07-1996
 Preparation: EPA 3050B
 Method: EPA 6020
 Units: mg/kg

Project: San Diego Shipyards- North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|---------------------------------|------------------------|-----------------------|-----------------|------------------|-----------------|-----------------------|-------------------|
| SD-N-C-01A-D-0535-150730 | 15-07-1996-2-AA | 07/30/15 11:05 | Sediment | ICP/MS 03 | 07/30/15 | 07/31/15 16:15 | 150730L02E |

Comment(s): - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|---------------|-----------|------------|-----------|-------------------|
| Copper | 29.2 | 0.135 | 0.0565 | 1.00 | |

| | | | | | | | |
|---------------------------------|------------------------|-----------------------|-----------------|------------------|-----------------|-----------------------|-------------------|
| SD-N-C-01C-D-0535-150730 | 15-07-1996-4-AA | 07/30/15 09:18 | Sediment | ICP/MS 03 | 07/30/15 | 07/31/15 16:18 | 150730L02E |
|---------------------------------|------------------------|-----------------------|-----------------|------------------|-----------------|-----------------------|-------------------|

Comment(s): - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|---------------|-----------|------------|-----------|-------------------|
| Copper | 3.48 | 0.115 | 0.0481 | 1.00 | |

| | | | | | | | |
|---------------------|-----------------------|------------|--------------|------------------|-----------------|-----------------------|-------------------|
| Method Blank | 099-15-254-338 | N/A | Solid | ICP/MS 03 | 07/30/15 | 07/31/15 16:09 | 150730L02E |
|---------------------|-----------------------|------------|--------------|------------------|-----------------|-----------------------|-------------------|

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|---------------|-----------|------------|-----------|-------------------|
| Copper | ND | 0.100 | 0.0419 | 1.00 | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/30/15
 Work Order: 15-07-1996
 Preparation: EPA 7471A Total
 Method: EPA 7471A
 Units: mg/kg

Project: San Diego Shipyards- North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-01A-D-0535-150730 | 15-07-1996-2-A | 07/30/15 11:05 | Sediment | Mercury 05 | 07/30/15 | 07/30/15 23:05 | 150730L07A |

Comment(s): - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|--------|---------|------|------------|
| Mercury | ND | 0.0257 | 0.00754 | 1.00 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-01C-D-0535-150730 | 15-07-1996-4-A | 07/30/15 09:18 | Sediment | Mercury 05 | 07/30/15 | 07/30/15 23:12 | 150730L07A |

Comment(s): - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|--------|---------|------|------------|
| Mercury | ND | 0.0230 | 0.00674 | 1.00 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-16-278-153 | N/A | Solid | Mercury 05 | 07/30/15 | 07/30/15 21:27 | 150730L07A |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|--------|---------|------|------------|
| Mercury | ND | 0.0197 | 0.00578 | 1.00 | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/30/15
 Work Order: 15-07-1996
 Preparation: EPA 3541
 Method: EPA 8270C SIM PAHs
 Units: ug/kg

Project: San Diego Shipyards- North

Page 1 of 2

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|---------------------------------|------------------------|-----------------------|-----------------|------------------|-----------------|-----------------------|------------------|
| SD-N-C-01A-D-0535-150730 | 15-07-1996-2-AA | 07/30/15 11:05 | Sediment | GC/MS EEE | 07/30/15 | 07/31/15 14:58 | 150730L16 |

Comment(s): - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-------------------------|--------|----|-----|------|------------|
| Benzo (a) Anthracene | 130 | 14 | 2.9 | 1.00 | |
| Benzo (a) Pyrene | 150 | 14 | 2.5 | 1.00 | |
| Chrysene | 140 | 14 | 3.0 | 1.00 | |
| Dibenz (a,h) Anthracene | 32 | 14 | 2.6 | 1.00 | |
| Fluoranthene | 280 | 14 | 2.5 | 1.00 | |
| Perylene | 30 | 14 | 3.2 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|------------------|----------|----------------|------------|
| 2-Fluorobiphenyl | 66 | 14-146 | |
| Nitrobenzene-d5 | 76 | 18-162 | |
| p-Terphenyl-d14 | 74 | 34-148 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|---------------------------------|------------------------|-----------------------|-----------------|------------------|-----------------|-----------------------|------------------|
| SD-N-C-01C-D-0535-150730 | 15-07-1996-4-AA | 07/30/15 09:18 | Sediment | GC/MS EEE | 07/30/15 | 07/31/15 15:20 | 150730L16 |

Comment(s): - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-------------------------|--------|----|-----|------|------------|
| Benzo (a) Anthracene | ND | 11 | 2.5 | 1.00 | |
| Benzo (a) Pyrene | ND | 11 | 2.1 | 1.00 | |
| Chrysene | ND | 11 | 2.6 | 1.00 | |
| Dibenz (a,h) Anthracene | ND | 11 | 2.2 | 1.00 | |
| Fluoranthene | ND | 11 | 2.1 | 1.00 | |
| Perylene | ND | 11 | 2.7 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|------------------|----------|----------------|------------|
| 2-Fluorobiphenyl | 68 | 14-146 | |
| Nitrobenzene-d5 | 78 | 18-162 | |
| p-Terphenyl-d14 | 74 | 34-148 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/30/15
 Work Order: 15-07-1996
 Preparation: EPA 3541
 Method: EPA 8270C SIM PAHs
 Units: ug/kg

Project: San Diego Shipyards- North

Page 2 of 2

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-----------------------|---------------------|--------------|------------------|-----------------|-----------------------|------------------|
| Method Blank | 099-14-097-173 | N/A | Solid | GC/MS EEE | 07/30/15 | 07/31/15 14:37 | 150730L16 |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|-------------------------|---------------|-----------|------------|-----------|-------------------|
| Benzo (a) Anthracene | ND | 10 | 2.2 | 1.00 | |
| Benzo (a) Pyrene | ND | 10 | 1.8 | 1.00 | |
| Chrysene | ND | 10 | 2.2 | 1.00 | |
| Dibenz (a,h) Anthracene | ND | 10 | 2.0 | 1.00 | |
| Fluoranthene | ND | 10 | 1.8 | 1.00 | |
| Perylene | ND | 10 | 2.4 | 1.00 | |

| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> |
|------------------|-----------------|-----------------------|-------------------|
| 2-Fluorobiphenyl | 88 | 14-146 | |
| Nitrobenzene-d5 | 105 | 18-162 | |
| p-Terphenyl-d14 | 94 | 34-148 | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/30/15
 Work Order: 15-07-1996
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyards- North

Page 1 of 6

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-01A-D-0535-150730 | 15-07-1996-2-AA | 07/30/15 11:05 | Sediment | GC/MS HHH | 07/30/15 | 07/31/15 15:59 | 150730L17 |

Comment(s): - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|------------|--------|------|-------|------|------------|
| PCB018 | ND | 0.27 | 0.096 | 1.00 | |
| PCB028 | ND | 0.27 | 0.045 | 1.00 | |
| PCB037 | ND | 0.27 | 0.081 | 1.00 | |
| PCB044 | ND | 0.27 | 0.12 | 1.00 | |
| PCB049 | ND | 0.27 | 0.15 | 1.00 | |
| PCB052 | 0.20 | 0.27 | 0.085 | 1.00 | J |
| PCB066 | 0.20 | 0.27 | 0.14 | 1.00 | J |
| PCB070 | 0.22 | 0.27 | 0.080 | 1.00 | J |
| PCB074 | ND | 0.27 | 0.12 | 1.00 | |
| PCB077 | ND | 0.27 | 0.10 | 1.00 | |
| PCB081 | ND | 0.27 | 0.16 | 1.00 | |
| PCB087 | ND | 0.27 | 0.14 | 1.00 | |
| PCB099 | 0.17 | 0.27 | 0.082 | 1.00 | J |
| PCB101 | 0.44 | 0.27 | 0.13 | 1.00 | |
| PCB105 | 0.22 | 0.27 | 0.074 | 1.00 | J |
| PCB110 | 0.34 | 0.27 | 0.062 | 1.00 | |
| PCB114 | ND | 0.27 | 0.11 | 1.00 | |
| PCB118 | 0.36 | 0.27 | 0.11 | 1.00 | |
| PCB119 | ND | 0.27 | 0.13 | 1.00 | |
| PCB123 | ND | 0.27 | 0.14 | 1.00 | |
| PCB126 | ND | 0.27 | 0.11 | 1.00 | |
| PCB128 | ND | 0.27 | 0.14 | 1.00 | |
| PCB132/153 | 0.47 | 0.54 | 0.23 | 1.00 | J |
| PCB138/158 | 0.29 | 0.54 | 0.13 | 1.00 | J |
| PCB149 | 0.27 | 0.27 | 0.13 | 1.00 | J |
| PCB151 | ND | 0.27 | 0.091 | 1.00 | |
| PCB156 | ND | 0.27 | 0.078 | 1.00 | |
| PCB157 | ND | 0.27 | 0.070 | 1.00 | |
| PCB167 | ND | 0.27 | 0.083 | 1.00 | |
| PCB168 | ND | 0.27 | 0.066 | 1.00 | |
| PCB169 | ND | 0.27 | 0.082 | 1.00 | |
| PCB170 | ND | 0.27 | 0.085 | 1.00 | |
| PCB177 | ND | 0.27 | 0.12 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/30/15
 Work Order: 15-07-1996
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyards- North

Page 2 of 6

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|-----------------|-----------------------|-------------------|-----------|-------------------|
| PCB180 | 0.16 | 0.27 | 0.057 | 1.00 | J |
| PCB183 | ND | 0.27 | 0.15 | 1.00 | |
| PCB187 | ND | 0.27 | 0.11 | 1.00 | |
| PCB189 | ND | 0.27 | 0.082 | 1.00 | |
| PCB194 | ND | 0.27 | 0.15 | 1.00 | |
| PCB201 | ND | 0.27 | 0.13 | 1.00 | |
| PCB206 | ND | 0.27 | 0.26 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | | |
| 2-Fluorobiphenyl | 62 | 50-150 | | | |
| p-Terphenyl-d14 | 60 | 50-150 | | | |

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/30/15
 Work Order: 15-07-1996
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyards- North

Page 3 of 6

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-01C-D-0535-150730 | 15-07-1996-4-AA | 07/30/15 09:18 | Sediment | GC/MS HHH | 07/30/15 | 07/31/15 16:26 | 150730L17 |

Comment(s):
 - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|------------|--------|------|-------|------|------------|
| PCB018 | ND | 0.23 | 0.082 | 1.00 | |
| PCB028 | ND | 0.23 | 0.039 | 1.00 | |
| PCB037 | ND | 0.23 | 0.070 | 1.00 | |
| PCB044 | ND | 0.23 | 0.10 | 1.00 | |
| PCB049 | ND | 0.23 | 0.13 | 1.00 | |
| PCB052 | ND | 0.23 | 0.072 | 1.00 | |
| PCB066 | ND | 0.23 | 0.12 | 1.00 | |
| PCB070 | ND | 0.23 | 0.069 | 1.00 | |
| PCB074 | ND | 0.23 | 0.10 | 1.00 | |
| PCB077 | ND | 0.23 | 0.090 | 1.00 | |
| PCB081 | ND | 0.23 | 0.14 | 1.00 | |
| PCB087 | ND | 0.23 | 0.12 | 1.00 | |
| PCB099 | ND | 0.23 | 0.070 | 1.00 | |
| PCB101 | ND | 0.23 | 0.11 | 1.00 | |
| PCB105 | ND | 0.23 | 0.063 | 1.00 | |
| PCB110 | 0.056 | 0.23 | 0.053 | 1.00 | J |
| PCB114 | ND | 0.23 | 0.095 | 1.00 | |
| PCB118 | ND | 0.23 | 0.097 | 1.00 | |
| PCB119 | ND | 0.23 | 0.11 | 1.00 | |
| PCB123 | ND | 0.23 | 0.12 | 1.00 | |
| PCB126 | ND | 0.23 | 0.092 | 1.00 | |
| PCB128 | ND | 0.23 | 0.12 | 1.00 | |
| PCB132/153 | ND | 0.46 | 0.20 | 1.00 | |
| PCB138/158 | ND | 0.46 | 0.11 | 1.00 | |
| PCB149 | ND | 0.23 | 0.11 | 1.00 | |
| PCB151 | ND | 0.23 | 0.078 | 1.00 | |
| PCB156 | ND | 0.23 | 0.066 | 1.00 | |
| PCB157 | ND | 0.23 | 0.060 | 1.00 | |
| PCB167 | ND | 0.23 | 0.071 | 1.00 | |
| PCB168 | ND | 0.23 | 0.056 | 1.00 | |
| PCB169 | ND | 0.23 | 0.070 | 1.00 | |
| PCB170 | ND | 0.23 | 0.073 | 1.00 | |
| PCB177 | ND | 0.23 | 0.10 | 1.00 | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/30/15
 Work Order: 15-07-1996
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyards- North

Page 4 of 6

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|-----------------|-----------------------|-------------------|-----------|-------------------|
| PCB180 | ND | 0.23 | 0.048 | 1.00 | |
| PCB183 | ND | 0.23 | 0.13 | 1.00 | |
| PCB187 | ND | 0.23 | 0.097 | 1.00 | |
| PCB189 | ND | 0.23 | 0.070 | 1.00 | |
| PCB194 | ND | 0.23 | 0.13 | 1.00 | |
| PCB201 | ND | 0.23 | 0.11 | 1.00 | |
| PCB206 | ND | 0.23 | 0.22 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | | |
| 2-Fluorobiphenyl | 62 | 50-150 | | | |
| p-Terphenyl-d14 | 62 | 50-150 | | | |

Return to Contents 

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/30/15
 Work Order: 15-07-1996
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyards- North

Page 5 of 6

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-16-418-91 | N/A | Solid | GC/MS HHH | 07/30/15 | 07/31/15 15:32 | 150730L17 |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|------------|--------|------|-------|------|------------|
| PCB018 | ND | 0.20 | 0.071 | 1.00 | |
| PCB028 | ND | 0.20 | 0.034 | 1.00 | |
| PCB037 | ND | 0.20 | 0.060 | 1.00 | |
| PCB044 | ND | 0.20 | 0.087 | 1.00 | |
| PCB049 | ND | 0.20 | 0.11 | 1.00 | |
| PCB052 | ND | 0.20 | 0.063 | 1.00 | |
| PCB066 | ND | 0.20 | 0.10 | 1.00 | |
| PCB070 | ND | 0.20 | 0.060 | 1.00 | |
| PCB074 | ND | 0.20 | 0.087 | 1.00 | |
| PCB077 | ND | 0.20 | 0.078 | 1.00 | |
| PCB081 | ND | 0.20 | 0.12 | 1.00 | |
| PCB087 | ND | 0.20 | 0.11 | 1.00 | |
| PCB099 | ND | 0.20 | 0.061 | 1.00 | |
| PCB101 | ND | 0.20 | 0.098 | 1.00 | |
| PCB105 | ND | 0.20 | 0.055 | 1.00 | |
| PCB110 | ND | 0.20 | 0.046 | 1.00 | |
| PCB114 | ND | 0.20 | 0.082 | 1.00 | |
| PCB118 | ND | 0.20 | 0.084 | 1.00 | |
| PCB119 | ND | 0.20 | 0.094 | 1.00 | |
| PCB123 | ND | 0.20 | 0.10 | 1.00 | |
| PCB126 | ND | 0.20 | 0.080 | 1.00 | |
| PCB128 | ND | 0.20 | 0.10 | 1.00 | |
| PCB132/153 | ND | 0.40 | 0.17 | 1.00 | |
| PCB138/158 | ND | 0.40 | 0.094 | 1.00 | |
| PCB149 | ND | 0.20 | 0.098 | 1.00 | |
| PCB151 | ND | 0.20 | 0.067 | 1.00 | |
| PCB156 | ND | 0.20 | 0.058 | 1.00 | |
| PCB157 | ND | 0.20 | 0.052 | 1.00 | |
| PCB167 | ND | 0.20 | 0.062 | 1.00 | |
| PCB168 | ND | 0.20 | 0.049 | 1.00 | |
| PCB169 | ND | 0.20 | 0.061 | 1.00 | |
| PCB170 | ND | 0.20 | 0.063 | 1.00 | |
| PCB177 | ND | 0.20 | 0.087 | 1.00 | |
| PCB180 | ND | 0.20 | 0.042 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/30/15
 Work Order: 15-07-1996
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyards- North

Page 6 of 6

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|-----------------|-----------------------|-------------------|-----------|-------------------|
| PCB183 | ND | 0.20 | 0.11 | 1.00 | |
| PCB187 | ND | 0.20 | 0.084 | 1.00 | |
| PCB189 | ND | 0.20 | 0.061 | 1.00 | |
| PCB194 | ND | 0.20 | 0.11 | 1.00 | |
| PCB201 | ND | 0.20 | 0.097 | 1.00 | |
| PCB206 | ND | 0.20 | 0.19 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | | |
| 2-Fluorobiphenyl | 52 | 50-150 | | | |
| p-Terphenyl-d14 | 58 | 50-150 | | | |

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/30/15
 Work Order: 15-07-1996
 Preparation: EPA 3550B (M)
 Method: Organotins by Krone et al.
 Units: ug/kg

Project: San Diego Shipyards- North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-01A-D-0535-150730 | 15-07-1996-2-AA | 07/30/15 11:05 | Sediment | GC/MS Y | 07/30/15 | 07/31/15 17:41 | 150730L18 |

Comment(s): - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|--------------|----------|----------------|------------|------|------------|
| Tributyltin | ND | 4.0 | 2.0 | 1.00 | |
| Surrogate | Rec. (%) | Control Limits | Qualifiers | | |
| Tripentyltin | 72 | 27-135 | | | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-01C-D-0535-150730 | 15-07-1996-4-AA | 07/30/15 09:18 | Sediment | GC/MS Y | 07/30/15 | 07/31/15 17:57 | 150730L18 |

Comment(s): - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|--------------|----------|----------------|------------|------|------------|
| Tributyltin | ND | 3.5 | 1.7 | 1.00 | |
| Surrogate | Rec. (%) | Control Limits | Qualifiers | | |
| Tripentyltin | 77 | 27-135 | | | |

| Method Blank | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-07-016-1299 | N/A | Solid | GC/MS Y | 07/30/15 | 07/31/15 17:25 | 150730L18 |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|--------------|----------|----------------|------------|------|------------|
| Tributyltin | ND | 3.0 | 1.5 | 1.00 | |
| Surrogate | Rec. (%) | Control Limits | Qualifiers | | |
| Tripentyltin | 80 | 27-135 | | | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/30/15
 Work Order: 15-07-1996
 Preparation: EPA 3050B
 Method: EPA 6020

Project: San Diego Shipyards- North

Page 1 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|--------|------------|---------------|----------------|---------------------|
| 15-07-1785-21 | Sample | Solid | ICP/MS 03 | 07/30/15 | 07/31/15 17:07 | 150730S02 |
| 15-07-1785-21 | Matrix Spike | Solid | ICP/MS 03 | 07/30/15 | 07/31/15 16:24 | 150730S02 |
| 15-07-1785-21 | Matrix Spike Duplicate | Solid | ICP/MS 03 | 07/30/15 | 07/31/15 16:26 | 150730S02 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Copper | 15.77 | 25.00 | 40.26 | 98 | 39.22 | 94 | 25-157 | 3 | 0-22 | |

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/30/15
 Work Order: 15-07-1996
 Preparation: EPA 7471A Total
 Method: EPA 7471A

Project: San Diego Shipyards- North

Page 2 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|--------|------------|---------------|----------------|---------------------|
| 15-07-1785-21 | Sample | Solid | Mercury 05 | 07/30/15 | 07/30/15 22:38 | 150730S07 |
| 15-07-1785-21 | Matrix Spike | Solid | Mercury | 07/29/15 | 07/30/15 21:40 | 150730S07 |
| 15-07-1785-21 | Matrix Spike Duplicate | Solid | Mercury | 07/29/15 | 07/30/15 21:43 | 150730S07 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Mercury | ND | 0.8350 | 0.8405 | 101 | 0.8981 | 108 | 71-137 | 7 | 0-14 | |

Return to Contents 

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/30/15
 Work Order: 15-07-1996
 Preparation: EPA 3541
 Method: EPA 8270C SIM PAHs

Project: San Diego Shipyards- North

Page 3 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------------|-------------------------------|-----------------|------------------|-----------------|-----------------------|---------------------|
| SD-N-C-01A-D-0535-150730 | Sample | Sediment | GC/MS EEE | 07/30/15 | 07/31/15 14:58 | 150730S16 |
| SD-N-C-01A-D-0535-150730 | Matrix Spike | Sediment | GC/MS EEE | 07/30/15 | 07/31/15 16:04 | 150730S16 |
| SD-N-C-01A-D-0535-150730 | Matrix Spike Duplicate | Sediment | GC/MS EEE | 07/30/15 | 07/31/15 16:25 | 150730S16 |

| <u>Parameter</u> | <u>Sample Conc.</u> | <u>Spike Added</u> | <u>MS Conc.</u> | <u>MS %Rec.</u> | <u>MSD Conc.</u> | <u>MSD %Rec.</u> | <u>%Rec. CL</u> | <u>RPD</u> | <u>RPD CL</u> | <u>Qualifiers</u> |
|-------------------------|---------------------|--------------------|-----------------|-----------------|------------------|------------------|-----------------|------------|---------------|-------------------|
| Benzo (a) Anthracene | 93.95 | 100.0 | 163.5 | 70 | 169.4 | 75 | 40-160 | 4 | 0-20 | |
| Benzo (a) Pyrene | 109.1 | 100.0 | 190.5 | 81 | 198.9 | 90 | 40-160 | 4 | 0-20 | |
| Chrysene | 104.3 | 100.0 | 170.3 | 66 | 177.9 | 74 | 40-160 | 4 | 0-20 | |
| Dibenz (a,h) Anthracene | 23.72 | 100.0 | 75.53 | 52 | 77.77 | 54 | 40-160 | 3 | 0-20 | |
| Fluoranthene | 205.0 | 100.0 | 278.5 | 73 | 295.3 | 90 | 40-160 | 6 | 0-20 | |

Return to Contents 

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/30/15
 Work Order: 15-07-1996
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners

Project: San Diego Shipyards- North

Page 4 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------------|-------------------------------|-----------------|------------------|-----------------|-----------------------|---------------------|
| SD-N-C-01A-D-0535-150730 | Sample | Sediment | GC/MS HHH | 07/30/15 | 07/31/15 15:59 | 150730S17 |
| SD-N-C-01A-D-0535-150730 | Matrix Spike | Sediment | GC/MS HHH | 07/30/15 | 07/31/15 17:22 | 150730S17 |
| SD-N-C-01A-D-0535-150730 | Matrix Spike Duplicate | Sediment | GC/MS HHH | 07/30/15 | 07/31/15 17:50 | 150730S17 |

| <u>Parameter</u> | <u>Sample Conc.</u> | <u>Spike Added</u> | <u>MS Conc.</u> | <u>MS %Rec.</u> | <u>MSD Conc.</u> | <u>MSD %Rec.</u> | <u>%Rec. CL</u> | <u>RPD</u> | <u>RPD CL</u> | <u>Qualifiers</u> |
|------------------|---------------------|--------------------|-----------------|-----------------|------------------|------------------|-----------------|------------|---------------|-------------------|
| PCB018 | ND | 50.00 | 28.50 | 57 | 28.19 | 56 | 50-150 | 1 | 0-25 | |
| PCB028 | ND | 50.00 | 30.34 | 61 | 29.63 | 59 | 50-150 | 2 | 0-25 | |
| PCB044 | ND | 50.00 | 29.13 | 58 | 29.32 | 59 | 50-150 | 1 | 0-25 | |
| PCB052 | ND | 50.00 | 26.77 | 54 | 26.77 | 54 | 50-150 | 0 | 0-25 | |
| PCB066 | ND | 50.00 | 35.50 | 71 | 34.77 | 70 | 50-150 | 2 | 0-25 | |
| PCB077 | ND | 50.00 | 30.59 | 61 | 31.50 | 63 | 50-150 | 3 | 0-25 | |
| PCB101 | 0.3297 | 50.00 | 28.13 | 56 | 28.63 | 57 | 50-150 | 2 | 0-25 | |
| PCB105 | ND | 50.00 | 32.46 | 65 | 32.79 | 66 | 50-150 | 1 | 0-25 | |
| PCB118 | 0.2672 | 50.00 | 33.86 | 67 | 34.35 | 68 | 50-150 | 1 | 0-25 | |
| PCB126 | ND | 50.00 | 32.54 | 65 | 33.97 | 68 | 50-150 | 4 | 0-25 | |
| PCB128 | ND | 50.00 | 30.08 | 60 | 30.58 | 61 | 50-150 | 2 | 0-25 | |
| PCB170 | ND | 50.00 | 31.55 | 63 | 29.52 | 59 | 50-150 | 7 | 0-25 | |
| PCB180 | ND | 50.00 | 33.61 | 67 | 33.98 | 68 | 50-150 | 1 | 0-25 | |
| PCB187 | ND | 50.00 | 30.33 | 61 | 30.82 | 62 | 50-150 | 2 | 0-25 | |
| PCB206 | ND | 50.00 | 32.14 | 64 | 30.04 | 60 | 50-150 | 7 | 0-25 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/30/15
 Work Order: 15-07-1996
 Preparation: EPA 3550B (M)
 Method: Organotins by Krone et al.

Project: San Diego Shipyards- North

Page 5 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-01A-D-0535-150730 | Sample | Sediment | GC/MS Y | 07/30/15 | 07/31/15 17:41 | 150730S18 |
| SD-N-C-01A-D-0535-150730 | Matrix Spike | Sediment | GC/MS Y | 07/30/15 | 07/31/15 18:45 | 150730S18 |
| SD-N-C-01A-D-0535-150730 | Matrix Spike Duplicate | Sediment | GC/MS Y | 07/30/15 | 07/31/15 19:00 | 150730S18 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-------------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Tributyltin | ND | 100.0 | 65.46 | 65 | 64.24 | 64 | 34-142 | 2 | 0-50 | |

Quality Control - PDS

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/30/15
 Work Order: 15-07-1996
 Preparation: EPA 3050B
 Method: EPA 6020

Project: San Diego Shipyards- North

Page 1 of 1

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | PDS/PDSD Batch Number |
|---------------------------|--------|--------|------------|----------------|----------------|-----------------------|
| 15-07-1785-21 | Sample | Solid | ICP/MS 03 | 07/30/15 00:00 | 07/31/15 17:07 | 150730S02 |
| 15-07-1785-21 | PDS | Solid | ICP/MS 03 | 07/30/15 00:00 | 07/31/15 17:03 | 150730S02 |

| <u>Parameter</u> | <u>Sample Conc.</u> | <u>Spike Added</u> | <u>PDS Conc.</u> | <u>PDS %Rec.</u> | <u>%Rec. CL</u> | <u>Qualifiers</u> |
|------------------|---------------------|--------------------|------------------|------------------|-----------------|-------------------|
| Copper | 15.77 | 25.00 | 39.27 | 94 | 75-125 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - Sample Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/30/15
 Work Order: 15-07-1996
 Preparation: N/A
 Method: SM 2540 B (M)

Project: San Diego Shipyards- North

Page 1 of 1

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | Duplicate Batch Number |
|--------------------------------|-------------------------|-----------------|------------|-----------------------|-----------------------|------------------------|
| SD-N-C-03-D-0535-150730 | Sample | Sediment | N/A | 07/30/15 00:00 | 07/31/15 13:30 | F0731TSD1 |
| SD-N-C-03-D-0535-150730 | Sample Duplicate | Sediment | N/A | 07/30/15 00:00 | 07/31/15 13:30 | F0731TSD1 |

| <u>Parameter</u> | <u>Sample Conc.</u> | <u>DUP Conc.</u> | <u>RPD</u> | <u>RPD CL</u> | <u>Qualifiers</u> |
|------------------|---------------------|------------------|------------|---------------|-------------------|
| Solids, Total | 67.10 | 64.90 | 3 | 0-10 | |

Return to Contents 

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/30/15
 Work Order: 15-07-1996
 Preparation: EPA 3050B
 Method: EPA 6020

Project: San Diego Shipyards- North

Page 1 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|------|--------|------------|---------------|----------------|-----------------------|
| 099-15-254-338 | LCS | Solid | ICP/MS 03 | 07/30/15 | 07/31/15 16:11 | 150730L02E |
| 099-15-254-338 | LCSD | Solid | ICP/MS 03 | 07/30/15 | 07/31/15 16:13 | 150730L02E |

| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|-------------|-----------|-----------|------------|------------|----------|-----|--------|------------|
| Copper | 25.00 | 25.17 | 101 | 24.99 | 100 | 80-120 | 1 | 0-20 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/30/15
 Work Order: 15-07-1996
 Preparation: EPA 7471A Total
 Method: EPA 7471A

Project: San Diego Shipyards- North

Page 2 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|------|--------|------------|---------------|----------------|-----------------------|
| 099-16-278-153 | LCS | Solid | Mercury 05 | 07/30/15 | 07/30/15 21:32 | 150730L07A |
| 099-16-278-153 | LCSD | Solid | Mercury 05 | 07/30/15 | 07/30/15 21:34 | 150730L07A |

| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|-------------|-----------|-----------|------------|------------|----------|-----|--------|------------|
| Mercury | 0.8350 | 0.9143 | 110 | 0.9116 | 109 | 82-124 | 0 | 0-16 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/30/15
 Work Order: 15-07-1996
 Preparation: EPA 3541
 Method: EPA 8270C SIM PAHs

Project: San Diego Shipyards- North

Page 3 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|-------------|--------------|------------------|-----------------|-----------------------|-----------------------|
| 099-14-097-173 | LCS | Solid | GC/MS EEE | 07/30/15 | 07/31/15 13:53 | 150730L16 |
| 099-14-097-173 | LCSD | Solid | GC/MS EEE | 07/30/15 | 07/31/15 14:15 | 150730L16 |

| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-------------------------|-------------|-----------|-----------|------------|------------|----------|-----|--------|------------|
| Benzo (a) Anthracene | 100.0 | 88.25 | 88 | 87.20 | 87 | 40-160 | 1 | 0-20 | |
| Benzo (a) Pyrene | 100.0 | 96.49 | 96 | 95.19 | 95 | 40-160 | 1 | 0-20 | |
| Chrysene | 100.0 | 88.32 | 88 | 86.46 | 86 | 40-160 | 2 | 0-20 | |
| Dibenz (a,h) Anthracene | 100.0 | 102.0 | 102 | 99.58 | 100 | 40-160 | 2 | 0-20 | |
| Fluoranthene | 100.0 | 91.46 | 91 | 90.24 | 90 | 40-160 | 1 | 0-20 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/30/15
 Work Order: 15-07-1996
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners

Project: San Diego Shipyards- North

Page 4 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|------|--------|------------|---------------|----------------|-----------------------|
| 099-16-418-91 | LCS | Solid | GC/MS HHH | 07/30/15 | 07/31/15 20:04 | 150730L17 |
| 099-16-418-91 | LCSD | Solid | GC/MS HHH | 07/30/15 | 07/31/15 20:30 | 150730L17 |

| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | ME CL | RPD | RPD CL | Qualifiers |
|-----------|-------------|-----------|-----------|------------|------------|----------|--------|-----|--------|------------|
| PCB018 | 50.00 | 28.26 | 57 | 28.30 | 57 | 50-150 | 33-167 | 0 | 0-25 | |
| PCB028 | 50.00 | 32.04 | 64 | 30.60 | 61 | 50-150 | 33-167 | 5 | 0-25 | |
| PCB044 | 50.00 | 33.30 | 67 | 30.31 | 61 | 50-150 | 33-167 | 9 | 0-25 | |
| PCB052 | 50.00 | 29.93 | 60 | 28.18 | 56 | 50-150 | 33-167 | 6 | 0-25 | |
| PCB066 | 50.00 | 46.62 | 93 | 38.15 | 76 | 50-150 | 33-167 | 20 | 0-25 | |
| PCB077 | 50.00 | 41.15 | 82 | 35.77 | 72 | 50-150 | 33-167 | 14 | 0-25 | |
| PCB101 | 50.00 | 35.35 | 71 | 31.83 | 64 | 50-150 | 33-167 | 10 | 0-25 | |
| PCB105 | 50.00 | 45.18 | 90 | 37.28 | 75 | 50-150 | 33-167 | 19 | 0-25 | |
| PCB118 | 50.00 | 46.26 | 93 | 38.89 | 78 | 50-150 | 33-167 | 17 | 0-25 | |
| PCB126 | 50.00 | 47.69 | 95 | 38.35 | 77 | 50-150 | 33-167 | 22 | 0-25 | |
| PCB128 | 50.00 | 44.21 | 88 | 34.91 | 70 | 50-150 | 33-167 | 24 | 0-25 | |
| PCB170 | 50.00 | 40.38 | 81 | 36.14 | 72 | 50-150 | 33-167 | 11 | 0-25 | |
| PCB180 | 50.00 | 50.20 | 100 | 38.88 | 78 | 50-150 | 33-167 | 25 | 0-25 | |
| PCB187 | 50.00 | 44.89 | 90 | 35.42 | 71 | 50-150 | 33-167 | 24 | 0-25 | |
| PCB206 | 50.00 | 40.46 | 81 | 35.14 | 70 | 50-150 | 33-167 | 14 | 0-25 | |

Total number of LCS compounds: 15
 Total number of ME compounds: 0
 Total number of ME compounds allowed: 1
 LCS ME CL validation result: Pass

Return to Contents

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/30/15
 Work Order: 15-07-1996
 Preparation: EPA 3550B (M)
 Method: Organotins by Krone et al.

Project: San Diego Shipyards- North

Page 5 of 5

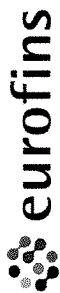
| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|------|--------|------------|---------------|----------------|-----------------------|
| 099-07-016-1299 | LCS | Solid | GC/MS Y | 07/30/15 | 07/31/15 16:53 | 150730L18 |
| 099-07-016-1299 | LCSD | Solid | GC/MS Y | 07/30/15 | 07/31/15 17:09 | 150730L18 |

| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-------------|-------------|-----------|-----------|------------|------------|----------|-----|--------|------------|
| Tributyltin | 100.0 | 78.88 | 79 | 77.92 | 78 | 33-147 | 1 | 0-20 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

| <u>Qualifiers</u> | <u>Definition</u> |
|-------------------|---|
| * | See applicable analysis comment. |
| < | Less than the indicated value. |
| > | Greater than the indicated value. |
| 1 | Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification. |
| 2 | Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification. |
| 3 | Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control. |
| 4 | The MS/MSD RPD was out of control due to suspected matrix interference. |
| 5 | The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference. |
| 6 | Surrogate recovery below the acceptance limit. |
| 7 | Surrogate recovery above the acceptance limit. |
| B | Analyte was present in the associated method blank. |
| BU | Sample analyzed after holding time expired. |
| BV | Sample received after holding time expired. |
| CI | See case narrative. |
| E | Concentration exceeds the calibration range. |
| ET | Sample was extracted past end of recommended max. holding time. |
| HD | The chromatographic pattern was inconsistent with the profile of the reference fuel standard. |
| HDH | The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected). |
| HDL | The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected). |
| J | Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated. |
| JA | Analyte positively identified but quantitation is an estimate. |
| ME | LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean). |
| ND | Parameter not detected at the indicated reporting limit. |
| Q | Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater. |
| SG | The sample extract was subjected to Silica Gel treatment prior to analysis. |
| X | % Recovery and/or RPD out-of-range. |
| Z | Analyte presence was not confirmed by second column or GC/MS analysis. |
| | Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis. |
| | Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time. |
| | A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations. |



Calscience

CHAIN OF CUSTODY RECORD

7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 896-6494
For courier service / sample drop off information, contact us26_sales@eurofins.com or call us.

LABORATORY CLIENT: Anchor QEA

ADDRESS: 27201 Puerta Real, Suite 350

CITY: Mission Viejo

TEL: 949.347.2780

E-MAIL:

agale@anchorqea.com or
Kking@anchorqea.com

STATE: CA

ZIP: 92691

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):

SAME DAY 24 HR 48 HR 72 HR 5 DAYS STANDARD

GLOBAL ID:

LOG CODE:

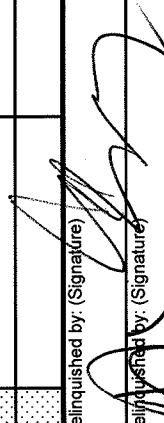
SPECIAL INSTRUCTIONS:

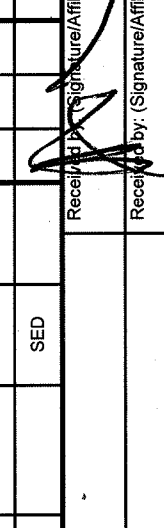
Rush samples: Start drying process asap.

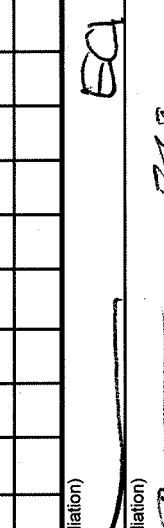
Report J-flags

Report metals, PAHs, solids on a 24hr TAT and PCBs, organotins on a 48hr TAT
Standard Excel file EDD in addition to COELT EDF

| LAB USE ONLY | SAMPLE ID | SAMPLING | | MATRIX | NO. OF CONT. | LOG CODE: | | |
|--------------|-------------------------|----------|------|--------|--------------|-------------------------------------|--------------------------|--------------------------|
| | | DATE | TIME | | | Unpreserved | Preserved | Field Filtered |
| 1 | SD-N-C-1A-D-0005-150730 | 7/30/15 | 1105 | SED | 1 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2 | SD-N-C-1A-D-0535-150730 | | 1105 | SED | 1 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3 | SD-N-C-1C-D-0805-150730 | | 0918 | SED | 1 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4 | SD-N-C-1C-D-0535-150730 | | 0918 | SED | 1 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 5 | SD-N-C-4A-D-0205-150730 | | 0950 | SED | 1 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 6 | SD-N-C-4A-D-0535-150730 | | 0950 | SED | 1 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 7 | SD-N-C-3-D-0205-150730 | | 1015 | SED | 1 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 8 | SD-N-C-3-D-0535-150730 | | 1015 | SED | 1 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Relinquished by: (Signature) 

Relinquished by: (Signature) 

Relinquished by: (Signature) 

Date: 7/30/15 Time: 14:25

Date: 7/30/15 Time: 1850

Date: 7/30/15 Time: 1850

NO. #/LAB USE ONLY
15-07-1996

DATE: 7/30/15
PAGE: 1 OF 1

CLIENT PROJECT NAME / NUMBER: San Diego Shipyards - North
PROJECT CONTACT: Adam Gale or Kyle King
P.O. NO.: 13/002-0103
SAMPLER(S): (PRINT) C. Delphin K. King

REQUESTED ANALYSES

Please check box or fill in blank as needed.

| SM 2540 B (M) Total solids | EPA 6020 /7471A Cu, Hg | EPA 8270C SIM PCB Congeners | EPA 8270C SIM PAHs | Organotins by Krone et al. (Tributyltin only) | Archival |
|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|---|-------------------------------------|
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | | | | | |



Calscience

WORK ORDER NUMBER: 15-07-1996

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: ANCHOR QEA

DATE: 07/30/2015

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC5 (CF:-0.2°C); Temperature (w/o CF): 2.5 °C (w/ CF): 2.3 °C; [X] Blank [] Sample

[] Sample(s) outside temperature criteria (PM/APM contacted by: _____)

[] Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

[] Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: [] Air [] Filter

Checked by: 671

CUSTODY SEAL:

Cooler [] Present and Intact [] Present but Not Intact [X] Not Present [] N/A

Checked by: 671

Sample(s) [] Present and Intact [] Present but Not Intact [X] Not Present [] N/A

Checked by: 1012

SAMPLE CONDITION:

| | Yes | No | N/A |
|--|-----|-----|-----|
| Chain-of-Custody (COC) document(s) received with samples | [X] | [] | [] |
| COC document(s) received complete | [X] | [] | [] |
| [] Sampling date [] Sampling time [] Matrix [] Number of containers | | | |
| [] No analysis requested [] Not relinquished [] No relinquished date [] No relinquished time | | | |
| Sampler's name indicated on COC | [X] | [] | [] |
| Sample container label(s) consistent with COC | [X] | [] | [] |
| Sample container(s) intact and in good condition | [X] | [] | [] |
| Proper containers for analyses requested | [X] | [] | [] |
| Sufficient volume/mass for analyses requested | [X] | [] | [] |
| Samples received within holding time | [X] | [] | [] |
| Aqueous samples for certain analyses received within 15-minute holding time | | | |
| [] pH [] Residual Chlorine [] Dissolved Sulfide [] Dissolved Oxygen | [] | [] | [X] |
| Proper preservation chemical(s) noted on COC and/or sample container | [] | [] | [X] |
| Unpreserved aqueous sample(s) received for certain analyses | | | |
| [] Volatile Organics [] Total Metals [] Dissolved Metals | | | |
| Container(s) for certain analysis free of headspace | [] | [] | [X] |
| [] Volatile Organics [] Dissolved Gases (RSK-175) [] Dissolved Oxygen (SM 4500) | | | |
| [] Carbon Dioxide (SM 4500) [] Ferrous Iron (SM 3500) [] Hydrogen Sulfide (Hach) | | | |
| Tedlar™ bag(s) free of condensation | [] | [] | [X] |

CONTAINER TYPE:

(Trip Blank Lot Number: _____)

Aqueous: [] VOA [] VOA_h [] VOA_{na2} [] 100PJ [] 100PJ_{na2} [] 125AGB [] 125AGB_h [] 125AGB_p [] 125PB [] 125PB_z [] 250AGB [] 250CGB [] 250CGB_s [] 250PB [] 250PB_n [] 500AGB [] 500AGJ [] 500AGJ_s [] 500PB [] 1AGB [] 1AGB_{na2} [] 1AGB_s [] 1PB [] 1PB_{na} [] _____ [] _____ [] _____ [] _____

Solid: [] 4ozCGJ [X] 8ozCGJ [X] 16ozCGJ [] Sleeve (_____) [] EnCores® (_____) [] TerraCores® (_____) [] _____

Air: [] Tedlar™ [] Canister [] Sorbent Tube [] PUF [] _____ Other Matrix (____): [] _____ [] _____

Container: A = Amber, B = Bottle, C = Clear, E = Envelope, G = Glass, J = Jar, P = Plastic, and Z = Ziploc/Resealable Bag

Preservative: b = buffered, f = filtered, h = HCl, n = HNO₃, na = NaOH, na₂ = Na₂S₂O₃, p = H₃PO₄, Labeled/Checked by: 1012

s = H₂SO₄, u = ultra-pure, znna = Zn(CH₃CO₂)₂ + NaOH Reviewed by: 601

Return to Contents



Environmental
Calscience

Supplemental Report 1

The original report has been revised/corrected.



WORK ORDER NUMBER: 15-08-0857

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: ANCHOR QEA, LLC

Client Project Name: San Diego Shipyard North 131002-01.03

Attention: Adam Gale
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Approved for release on 02/02/2016 by:
Carla Hollowell
Project Manager

ResultLink ▶

Email your PM ▶



Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

Client Project Name: San Diego Shipyard North 131002-01.03

Work Order Number: 15-08-0857

| | | |
|---|--|----|
| 1 | Work Order Narrative. | 3 |
| 2 | Sample Summary. | 4 |
| 3 | Client Sample Data. | 5 |
| | 3.1 SM 2540 B (M) Total Solids (Solid). | 5 |
| | 3.2 EPA 6020 ICP/MS Metals (Solid). | 6 |
| | 3.3 EPA 7471A Mercury (Solid). | 7 |
| | 3.4 EPA 8270C SIM PAHs (Solid). | 8 |
| | 3.5 EPA 8270C SIM PCB Congeners (Solid). | 10 |
| | 3.6 Krone et al. Organotins (Solid). | 18 |
| 4 | Quality Control Sample Data. | 19 |
| | 4.1 MS/MSD. | 19 |
| | 4.2 PDS/PDSD. | 24 |
| | 4.3 Sample Duplicate. | 25 |
| | 4.4 LCS/LCSD. | 26 |
| 5 | Glossary of Terms and Qualifiers. | 31 |
| 6 | Chain-of-Custody/Sample Receipt Form. | 32 |

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 08/12/15. They were assigned to Work Order 15-08-0857.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of ≤ 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

Sample Summary

| | |
|------------------------------|---|
| Client: ANCHOR QEA, LLC | Work Order: 15-08-0857 |
| 27201 Puerta Real, Suite 350 | Project Name: San Diego Shipyard North 131002-01.03 |
| Mission Viejo, CA 92691-8306 | PO Number: |
| | Date/Time Received: 08/12/15 19:00 |
| | Number of Containers: 6 |

Attn: Adam Gale

| Sample Identification | Lab Number | Collection Date and Time | Number of Containers | Matrix |
|-------------------------|--------------|--------------------------|----------------------|----------|
| SD-N-C-4B-D-0535-150812 | 15-08-0857-2 | 08/12/15 08:15 | 1 | Sediment |
| SD-N-C-4A-D-0535-150812 | 15-08-0857-4 | 08/12/15 09:01 | 1 | Sediment |
| SD-N-C-03-D-0535-150812 | 15-08-0857-6 | 08/12/15 09:52 | 1 | Sediment |

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 08/12/15
 Work Order: 15-08-0857
 Preparation: N/A
 Method: SM 2540 B (M)
 Units: %

Project: San Diego Shipyard North 131002-01.03

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-4B-D-0535-150812 | 15-08-0857-2-AA | 08/12/15 08:15 | Sediment | N/A | 08/12/15 | 08/13/15 13:30 | F0813TSB3 |

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|---------------|--------|-------|-------|------|------------|
| Solids, Total | 77.5 | 0.100 | 0.100 | 1.00 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-4A-D-0535-150812 | 15-08-0857-4-AA | 08/12/15 09:01 | Sediment | N/A | 08/12/15 | 08/13/15 13:30 | F0813TSB3 |

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|---------------|--------|-------|-------|------|------------|
| Solids, Total | 80.1 | 0.100 | 0.100 | 1.00 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-03-D-0535-150812 | 15-08-0857-6-AA | 08/12/15 09:52 | Sediment | N/A | 08/12/15 | 08/13/15 13:30 | F0813TSB3 |

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|---------------|--------|-------|-------|------|------------|
| Solids, Total | 78.0 | 0.100 | 0.100 | 1.00 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-05-019-2977 | N/A | Solid | N/A | 08/12/15 | 08/13/15 13:30 | F0813TSB3 |

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|---------------|--------|-------|-------|------|------------|
| Solids, Total | ND | 0.100 | 0.100 | 1.00 | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 08/12/15
 Work Order: 15-08-0857
 Preparation: EPA 3050B
 Method: EPA 6020
 Units: mg/kg

Project: San Diego Shipyard North 131002-01.03

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-4B-D-0535-150812 | 15-08-0857-2-AA | 08/12/15 08:15 | Sediment | ICP/MS 03 | 08/12/15 | 08/13/15 11:27 | 150812L01E |

Comment(s): - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|-------|--------|------|------------|
| Copper | 14.7 | 0.129 | 0.0541 | 1.00 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-4A-D-0535-150812 | 15-08-0857-4-AA | 08/12/15 09:01 | Sediment | ICP/MS 03 | 08/12/15 | 08/13/15 11:41 | 150812L01E |

Comment(s): - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|-------|--------|------|------------|
| Copper | 3.20 | 0.125 | 0.0523 | 1.00 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-03-D-0535-150812 | 15-08-0857-6-AA | 08/12/15 09:52 | Sediment | ICP/MS 03 | 08/12/15 | 08/13/15 11:45 | 150812L01E |

Comment(s): - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|-------|--------|------|------------|
| Copper | 11.5 | 0.128 | 0.0537 | 1.00 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-15-254-342 | N/A | Solid | ICP/MS 04 | 08/12/15 | 08/12/15 16:18 | 150812L01E |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|-------|--------|------|------------|
| Copper | ND | 0.100 | 0.0419 | 1.00 | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 08/12/15
 Work Order: 15-08-0857
 Preparation: EPA 7471A Total
 Method: EPA 7471A
 Units: mg/kg

Project: San Diego Shipyard North 131002-01.03

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-4B-D-0535-150812 | 15-08-0857-2-AA | 08/12/15 08:15 | Sediment | Mercury 05 | 08/12/15 | 08/13/15 13:11 | 150812L03E |

Comment(s): - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|--------|---------|------|------------|
| Mercury | 0.0206 | 0.0250 | 0.00733 | 1.00 | J |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-4A-D-0535-150812 | 15-08-0857-4-AA | 08/12/15 09:01 | Sediment | Mercury 05 | 08/12/15 | 08/13/15 13:13 | 150812L03E |

Comment(s): - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|--------|---------|------|------------|
| Mercury | 0.0483 | 0.0242 | 0.00709 | 1.00 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-03-D-0535-150812 | 15-08-0857-6-AA | 08/12/15 09:52 | Sediment | Mercury 05 | 08/12/15 | 08/13/15 13:15 | 150812L03E |

Comment(s): - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|--------|---------|------|------------|
| Mercury | 0.0608 | 0.0244 | 0.00717 | 1.00 | |

| Method Blank | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-16-278-155 | N/A | Solid | Mercury 05 | 08/12/15 | 08/12/15 19:20 | 150812L03E |

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|--------|---------|------|------------|
| Mercury | ND | 0.0200 | 0.00587 | 1.00 | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 08/12/15
 Work Order: 15-08-0857
 Preparation: EPA 3541
 Method: EPA 8270C SIM PAHs
 Units: ug/kg

Project: San Diego Shipyard North 131002-01.03

Page 1 of 2

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-4B-D-0535-150812 | 15-08-0857-2-AA | 08/12/15 08:15 | Sediment | GC/MS AAA | 08/12/15 | 08/13/15 12:30 | 150812L13 |

Comment(s): - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-------------------------|--------|----|-----|------|------------|
| Benzo (a) Anthracene | 10 | 13 | 2.8 | 1.00 | J |
| Benzo (a) Pyrene | 15 | 13 | 2.4 | 1.00 | |
| Chrysene | 13 | 13 | 2.9 | 1.00 | J |
| Dibenz (a,h) Anthracene | 2.9 | 13 | 2.5 | 1.00 | J |
| Fluoranthene | 23 | 13 | 2.3 | 1.00 | |
| Perylene | 4.0 | 13 | 3.1 | 1.00 | J |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|------------------|----------|----------------|------------|
| 2-Fluorobiphenyl | 84 | 14-146 | |
| Nitrobenzene-d5 | 84 | 18-162 | |
| p-Terphenyl-d14 | 97 | 34-148 | |

| SD-N-C-4A-D-0535-150812 | 15-08-0857-4-AA | 08/12/15 09:01 | Sediment | GC/MS AAA | 08/12/15 | 08/13/15 12:50 | 150812L13 |
|-------------------------|-----------------|----------------|----------|-----------|----------|----------------|-----------|
|-------------------------|-----------------|----------------|----------|-----------|----------|----------------|-----------|

Comment(s): - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-------------------------|--------|----|-----|------|------------|
| Benzo (a) Anthracene | 8.7 | 12 | 2.7 | 1.00 | J |
| Benzo (a) Pyrene | 23 | 12 | 2.3 | 1.00 | |
| Chrysene | 10 | 12 | 2.8 | 1.00 | J |
| Dibenz (a,h) Anthracene | 4.0 | 12 | 2.4 | 1.00 | J |
| Fluoranthene | 19 | 12 | 2.3 | 1.00 | |
| Perylene | 6.1 | 12 | 3.0 | 1.00 | J |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|------------------|----------|----------------|------------|
| 2-Fluorobiphenyl | 86 | 14-146 | |
| Nitrobenzene-d5 | 88 | 18-162 | |
| p-Terphenyl-d14 | 101 | 34-148 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 08/12/15
 Work Order: 15-08-0857
 Preparation: EPA 3541
 Method: EPA 8270C SIM PAHs
 Units: ug/kg

Project: San Diego Shipyard North 131002-01.03

Page 2 of 2

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-03-D-0535-150812 | 15-08-0857-6-AA | 08/12/15 09:52 | Sediment | GC/MS AAA | 08/12/15 | 08/13/15 13:10 | 150812L13 |

Comment(s): - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-------------------------|--------|----|-----|------|------------|
| Benzo (a) Anthracene | 13 | 13 | 2.8 | 1.00 | J |
| Benzo (a) Pyrene | 27 | 13 | 2.4 | 1.00 | |
| Chrysene | 15 | 13 | 2.9 | 1.00 | |
| Dibenz (a,h) Anthracene | 6.3 | 13 | 2.5 | 1.00 | J |
| Fluoranthene | 20 | 13 | 2.3 | 1.00 | |
| Perylene | 6.1 | 13 | 3.1 | 1.00 | J |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|------------------|----------|----------------|------------|
| 2-Fluorobiphenyl | 87 | 14-146 | |
| Nitrobenzene-d5 | 87 | 18-162 | |
| p-Terphenyl-d14 | 98 | 34-148 | |

| Method Blank | 099-14-097-174 | N/A | Solid | GC/MS AAA | 08/12/15 | 08/13/15 12:10 | 150812L13 |
|--------------|----------------|-----|-------|-----------|----------|----------------|-----------|
|--------------|----------------|-----|-------|-----------|----------|----------------|-----------|

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-------------------------|--------|----|-----|------|------------|
| Benzo (a) Anthracene | ND | 10 | 2.2 | 1.00 | |
| Benzo (a) Pyrene | ND | 10 | 1.8 | 1.00 | |
| Chrysene | ND | 10 | 2.2 | 1.00 | |
| Dibenz (a,h) Anthracene | ND | 10 | 2.0 | 1.00 | |
| Fluoranthene | ND | 10 | 1.8 | 1.00 | |
| Perylene | ND | 10 | 2.4 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|------------------|----------|----------------|------------|
| 2-Fluorobiphenyl | 89 | 14-146 | |
| Nitrobenzene-d5 | 86 | 18-162 | |
| p-Terphenyl-d14 | 97 | 34-148 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 08/12/15
 Work Order: 15-08-0857
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyard North 131002-01.03

Page 1 of 8

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-4B-D-0535-150812 | 15-08-0857-2-AA | 08/12/15 08:15 | Sediment | GC/MS HHH | 08/12/15 | 08/14/15 12:55 | 150812L14 |

Comment(s):
 - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|------------|--------|------|-------|------|------------|
| PCB018 | ND | 0.26 | 0.092 | 1.00 | |
| PCB028 | ND | 0.26 | 0.043 | 1.00 | |
| PCB037 | ND | 0.26 | 0.078 | 1.00 | |
| PCB044 | ND | 0.26 | 0.11 | 1.00 | |
| PCB049 | 0.19 | 0.26 | 0.15 | 1.00 | J |
| PCB052 | 0.33 | 0.26 | 0.081 | 1.00 | |
| PCB066 | 0.24 | 0.26 | 0.13 | 1.00 | J |
| PCB070 | 0.28 | 0.26 | 0.077 | 1.00 | |
| PCB074 | ND | 0.26 | 0.11 | 1.00 | |
| PCB077 | ND | 0.26 | 0.10 | 1.00 | |
| PCB081 | ND | 0.26 | 0.15 | 1.00 | |
| PCB087 | ND | 0.26 | 0.14 | 1.00 | |
| PCB099 | 0.19 | 0.26 | 0.078 | 1.00 | J |
| PCB101 | 0.57 | 0.26 | 0.13 | 1.00 | |
| PCB105 | 0.26 | 0.26 | 0.071 | 1.00 | |
| PCB110 | 0.51 | 0.26 | 0.059 | 1.00 | |
| PCB114 | ND | 0.26 | 0.11 | 1.00 | |
| PCB118 | 0.54 | 0.26 | 0.11 | 1.00 | |
| PCB119 | ND | 0.26 | 0.12 | 1.00 | |
| PCB123 | ND | 0.26 | 0.13 | 1.00 | |
| PCB126 | ND | 0.26 | 0.10 | 1.00 | |
| PCB128 | ND | 0.26 | 0.13 | 1.00 | |
| PCB132/153 | 0.71 | 0.52 | 0.22 | 1.00 | |
| PCB138/158 | 0.52 | 0.52 | 0.12 | 1.00 | |
| PCB149 | 0.40 | 0.26 | 0.13 | 1.00 | |
| PCB151 | ND | 0.26 | 0.087 | 1.00 | |
| PCB156 | ND | 0.26 | 0.074 | 1.00 | |
| PCB157 | ND | 0.26 | 0.067 | 1.00 | |
| PCB167 | ND | 0.26 | 0.080 | 1.00 | |
| PCB168 | ND | 0.26 | 0.063 | 1.00 | |
| PCB169 | ND | 0.26 | 0.079 | 1.00 | |
| PCB170 | 0.18 | 0.26 | 0.082 | 1.00 | J |
| PCB177 | ND | 0.26 | 0.11 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 08/12/15
 Work Order: 15-08-0857
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyard North 131002-01.03

Page 2 of 8

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|-----------------|-----------------------|-------------------|-----------|-------------------|
| PCB180 | 0.28 | 0.26 | 0.054 | 1.00 | |
| PCB183 | ND | 0.26 | 0.14 | 1.00 | |
| PCB187 | 0.18 | 0.26 | 0.11 | 1.00 | J |
| PCB189 | ND | 0.26 | 0.079 | 1.00 | |
| PCB194 | ND | 0.26 | 0.14 | 1.00 | |
| PCB201 | ND | 0.26 | 0.12 | 1.00 | |
| PCB206 | ND | 0.26 | 0.25 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | | |
| 2-Fluorobiphenyl | 65 | 50-150 | | | |
| p-Terphenyl-d14 | 65 | 50-150 | | | |

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 08/12/15
 Work Order: 15-08-0857
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyard North 131002-01.03

Page 3 of 8

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-4A-D-0535-150812 | 15-08-0857-4-AA | 08/12/15 09:01 | Sediment | GC/MS HHH | 08/12/15 | 08/14/15 15:26 | 150812L14 |

Comment(s):
 - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|------------|--------|------|-------|------|------------|
| PCB018 | ND | 0.25 | 0.089 | 1.00 | |
| PCB028 | 0.20 | 0.25 | 0.042 | 1.00 | J |
| PCB037 | ND | 0.25 | 0.076 | 1.00 | |
| PCB044 | 0.54 | 0.25 | 0.11 | 1.00 | |
| PCB049 | 0.35 | 0.25 | 0.14 | 1.00 | |
| PCB052 | 1.2 | 0.25 | 0.079 | 1.00 | |
| PCB066 | 0.43 | 0.25 | 0.13 | 1.00 | |
| PCB070 | 0.72 | 0.25 | 0.075 | 1.00 | |
| PCB074 | 0.28 | 0.25 | 0.11 | 1.00 | |
| PCB077 | ND | 0.25 | 0.097 | 1.00 | |
| PCB081 | ND | 0.25 | 0.15 | 1.00 | |
| PCB087 | 1.1 | 0.25 | 0.13 | 1.00 | |
| PCB099 | 0.83 | 0.25 | 0.076 | 1.00 | |
| PCB101 | 2.6 | 0.25 | 0.12 | 1.00 | |
| PCB105 | 0.93 | 0.25 | 0.069 | 1.00 | |
| PCB110 | 2.2 | 0.25 | 0.058 | 1.00 | |
| PCB114 | ND | 0.25 | 0.10 | 1.00 | |
| PCB118 | 2.0 | 0.25 | 0.11 | 1.00 | |
| PCB119 | ND | 0.25 | 0.12 | 1.00 | |
| PCB123 | ND | 0.25 | 0.13 | 1.00 | |
| PCB126 | ND | 0.25 | 0.10 | 1.00 | |
| PCB128 | 0.47 | 0.25 | 0.13 | 1.00 | |
| PCB132/153 | 2.6 | 0.50 | 0.22 | 1.00 | |
| PCB138/158 | 2.5 | 0.50 | 0.12 | 1.00 | |
| PCB149 | 1.5 | 0.25 | 0.12 | 1.00 | |
| PCB151 | 0.33 | 0.25 | 0.084 | 1.00 | |
| PCB156 | 0.35 | 0.25 | 0.072 | 1.00 | |
| PCB157 | ND | 0.25 | 0.066 | 1.00 | |
| PCB167 | 0.099 | 0.25 | 0.077 | 1.00 | J |
| PCB168 | ND | 0.25 | 0.061 | 1.00 | |
| PCB169 | ND | 0.25 | 0.076 | 1.00 | |
| PCB170 | 0.38 | 0.25 | 0.080 | 1.00 | |
| PCB177 | 0.15 | 0.25 | 0.11 | 1.00 | J |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 08/12/15
 Work Order: 15-08-0857
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyard North 131002-01.03

Page 4 of 8

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|-----------------|-----------------------|-------------------|-----------|-------------------|
| PCB180 | 0.65 | 0.25 | 0.053 | 1.00 | |
| PCB183 | ND | 0.25 | 0.14 | 1.00 | |
| PCB187 | 0.28 | 0.25 | 0.11 | 1.00 | |
| PCB189 | ND | 0.25 | 0.077 | 1.00 | |
| PCB194 | ND | 0.25 | 0.14 | 1.00 | |
| PCB201 | ND | 0.25 | 0.12 | 1.00 | |
| PCB206 | ND | 0.25 | 0.24 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | | |
| 2-Fluorobiphenyl | 72 | 50-150 | | | |
| p-Terphenyl-d14 | 91 | 50-150 | | | |

Return to Contents 

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 08/12/15
 Work Order: 15-08-0857
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyard North 131002-01.03

Page 5 of 8

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-03-D-0535-150812 | 15-08-0857-6-AA | 08/12/15 09:52 | Sediment | GC/MS HHH | 08/12/15 | 08/14/15 13:49 | 150812L14 |

Comment(s):
 - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|------------|--------|------|-------|------|------------|
| PCB018 | ND | 0.26 | 0.091 | 1.00 | |
| PCB028 | ND | 0.26 | 0.043 | 1.00 | |
| PCB037 | ND | 0.26 | 0.077 | 1.00 | |
| PCB044 | 0.62 | 0.26 | 0.11 | 1.00 | |
| PCB049 | 0.40 | 0.26 | 0.14 | 1.00 | |
| PCB052 | 0.87 | 0.26 | 0.080 | 1.00 | |
| PCB066 | 0.56 | 0.26 | 0.13 | 1.00 | |
| PCB070 | 0.72 | 0.26 | 0.076 | 1.00 | |
| PCB074 | 0.33 | 0.26 | 0.11 | 1.00 | |
| PCB077 | ND | 0.26 | 0.099 | 1.00 | |
| PCB081 | ND | 0.26 | 0.15 | 1.00 | |
| PCB087 | 0.80 | 0.26 | 0.14 | 1.00 | |
| PCB099 | 0.63 | 0.26 | 0.077 | 1.00 | |
| PCB101 | 1.6 | 0.26 | 0.12 | 1.00 | |
| PCB105 | 0.73 | 0.26 | 0.070 | 1.00 | |
| PCB110 | 1.4 | 0.26 | 0.059 | 1.00 | |
| PCB114 | ND | 0.26 | 0.10 | 1.00 | |
| PCB118 | 1.3 | 0.26 | 0.11 | 1.00 | |
| PCB119 | ND | 0.26 | 0.12 | 1.00 | |
| PCB123 | ND | 0.26 | 0.13 | 1.00 | |
| PCB126 | ND | 0.26 | 0.10 | 1.00 | |
| PCB128 | 0.24 | 0.26 | 0.13 | 1.00 | J |
| PCB132/153 | 1.8 | 0.51 | 0.22 | 1.00 | |
| PCB138/158 | 1.5 | 0.51 | 0.12 | 1.00 | |
| PCB149 | 1.0 | 0.26 | 0.12 | 1.00 | |
| PCB151 | 0.30 | 0.26 | 0.086 | 1.00 | |
| PCB156 | 0.27 | 0.26 | 0.074 | 1.00 | |
| PCB157 | ND | 0.26 | 0.067 | 1.00 | |
| PCB167 | ND | 0.26 | 0.079 | 1.00 | |
| PCB168 | ND | 0.26 | 0.062 | 1.00 | |
| PCB169 | ND | 0.26 | 0.078 | 1.00 | |
| PCB170 | 0.37 | 0.26 | 0.081 | 1.00 | |
| PCB177 | 0.15 | 0.26 | 0.11 | 1.00 | J |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 08/12/15
 Work Order: 15-08-0857
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyard North 131002-01.03

Page 6 of 8

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|-----------------|-----------------------|-------------------|-----------|-------------------|
| PCB180 | 0.65 | 0.26 | 0.054 | 1.00 | |
| PCB183 | 0.20 | 0.26 | 0.14 | 1.00 | J |
| PCB187 | 0.43 | 0.26 | 0.11 | 1.00 | |
| PCB189 | ND | 0.26 | 0.078 | 1.00 | |
| PCB194 | ND | 0.26 | 0.14 | 1.00 | |
| PCB201 | ND | 0.26 | 0.12 | 1.00 | |
| PCB206 | ND | 0.26 | 0.25 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | | |
| 2-Fluorobiphenyl | 68 | 50-150 | | | |
| p-Terphenyl-d14 | 72 | 50-150 | | | |

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 08/12/15
 Work Order: 15-08-0857
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyard North 131002-01.03

Page 7 of 8

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-16-418-94 | N/A | Solid | GC/MS HHH | 08/12/15 | 08/14/15 12:28 | 150812L14 |

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|------------|--------|------|-------|------|------------|
| PCB018 | ND | 0.20 | 0.071 | 1.00 | |
| PCB028 | ND | 0.20 | 0.034 | 1.00 | |
| PCB037 | ND | 0.20 | 0.060 | 1.00 | |
| PCB044 | ND | 0.20 | 0.087 | 1.00 | |
| PCB049 | ND | 0.20 | 0.11 | 1.00 | |
| PCB052 | ND | 0.20 | 0.063 | 1.00 | |
| PCB066 | ND | 0.20 | 0.10 | 1.00 | |
| PCB070 | ND | 0.20 | 0.060 | 1.00 | |
| PCB074 | ND | 0.20 | 0.087 | 1.00 | |
| PCB077 | ND | 0.20 | 0.078 | 1.00 | |
| PCB081 | ND | 0.20 | 0.12 | 1.00 | |
| PCB087 | ND | 0.20 | 0.11 | 1.00 | |
| PCB099 | ND | 0.20 | 0.061 | 1.00 | |
| PCB101 | ND | 0.20 | 0.098 | 1.00 | |
| PCB105 | ND | 0.20 | 0.055 | 1.00 | |
| PCB110 | ND | 0.20 | 0.046 | 1.00 | |
| PCB114 | ND | 0.20 | 0.082 | 1.00 | |
| PCB118 | ND | 0.20 | 0.084 | 1.00 | |
| PCB119 | ND | 0.20 | 0.094 | 1.00 | |
| PCB123 | ND | 0.20 | 0.10 | 1.00 | |
| PCB126 | ND | 0.20 | 0.080 | 1.00 | |
| PCB128 | ND | 0.20 | 0.10 | 1.00 | |
| PCB132/153 | ND | 0.40 | 0.17 | 1.00 | |
| PCB138/158 | ND | 0.40 | 0.094 | 1.00 | |
| PCB149 | ND | 0.20 | 0.098 | 1.00 | |
| PCB151 | ND | 0.20 | 0.067 | 1.00 | |
| PCB156 | ND | 0.20 | 0.058 | 1.00 | |
| PCB157 | ND | 0.20 | 0.052 | 1.00 | |
| PCB167 | ND | 0.20 | 0.062 | 1.00 | |
| PCB168 | ND | 0.20 | 0.049 | 1.00 | |
| PCB169 | ND | 0.20 | 0.061 | 1.00 | |
| PCB170 | ND | 0.20 | 0.063 | 1.00 | |
| PCB177 | ND | 0.20 | 0.087 | 1.00 | |
| PCB180 | ND | 0.20 | 0.042 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 08/12/15
 Work Order: 15-08-0857
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyard North 131002-01.03

Page 8 of 8

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|-----------------|-----------------------|-------------------|-----------|-------------------|
| PCB183 | ND | 0.20 | 0.11 | 1.00 | |
| PCB187 | ND | 0.20 | 0.084 | 1.00 | |
| PCB189 | ND | 0.20 | 0.061 | 1.00 | |
| PCB194 | ND | 0.20 | 0.11 | 1.00 | |
| PCB201 | ND | 0.20 | 0.097 | 1.00 | |
| PCB206 | ND | 0.20 | 0.19 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | | |
| 2-Fluorobiphenyl | 66 | 50-150 | | | |
| p-Terphenyl-d14 | 70 | 50-150 | | | |

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 08/12/15
 Work Order: 15-08-0857
 Preparation: EPA 3550B (M)
 Method: Organotins by Krone et al.
 Units: ug/kg

Project: San Diego Shipyard North 131002-01.03

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-4B-D-0535-150812 | 15-08-0857-2-AA | 08/12/15 08:15 | Sediment | GC/MS Y | 08/12/15 | 08/14/15 10:25 | 150812L15 |

Comment(s): - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|--------------|----------|----------------|------------|------|------------|
| Tributyltin | ND | 3.8 | 1.9 | 1.00 | |
| Surrogate | Rec. (%) | Control Limits | Qualifiers | | |
| Tripentyltin | 98 | 27-135 | | | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-4A-D-0535-150812 | 15-08-0857-4-AA | 08/12/15 09:01 | Sediment | GC/MS Y | 08/12/15 | 08/14/15 10:41 | 150812L15 |

Comment(s): - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|--------------|----------|----------------|------------|------|------------|
| Tributyltin | ND | 3.7 | 1.9 | 1.00 | |
| Surrogate | Rec. (%) | Control Limits | Qualifiers | | |
| Tripentyltin | 89 | 27-135 | | | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-03-D-0535-150812 | 15-08-0857-6-AA | 08/12/15 09:52 | Sediment | GC/MS Y | 08/12/15 | 08/14/15 10:57 | 150812L15 |

Comment(s): - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|--------------|----------|----------------|------------|------|------------|
| Tributyltin | 2.3 | 3.8 | 1.9 | 1.00 | J |
| Surrogate | Rec. (%) | Control Limits | Qualifiers | | |
| Tripentyltin | 85 | 27-135 | | | |

| Method Blank | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-07-016-1303 | N/A | Solid | GC/MS Y | 08/12/15 | 08/14/15 10:09 | 150812L15 |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|--------------|----------|----------------|------------|------|------------|
| Tributyltin | ND | 3.0 | 1.5 | 1.00 | |
| Surrogate | Rec. (%) | Control Limits | Qualifiers | | |
| Tripentyltin | 92 | 27-135 | | | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 08/12/15
 Work Order: 15-08-0857
 Preparation: EPA 3050B
 Method: EPA 6020

Project: San Diego Shipyard North 131002-01.03

Page 1 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|--------|------------|---------------|----------------|---------------------|
| 15-08-0709-1 | Sample | Solid | ICP/MS 04 | 08/12/15 | 08/12/15 16:40 | 150812S01 |
| 15-08-0709-1 | Matrix Spike | Solid | ICP/MS 04 | 08/12/15 | 08/12/15 16:25 | 150812S01 |
| 15-08-0709-1 | Matrix Spike Duplicate | Solid | ICP/MS 04 | 08/12/15 | 08/12/15 16:29 | 150812S01 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Copper | 9.475 | 25.00 | 36.19 | 107 | 36.50 | 108 | 25-157 | 1 | 0-22 | |

Return to Contents 

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 08/12/15
 Work Order: 15-08-0857
 Preparation: EPA 7471A Total
 Method: EPA 7471A

Project: San Diego Shipyard North 131002-01.03

Page 2 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|--------|------------|---------------|----------------|---------------------|
| 15-08-0568-79 | Sample | Solid | Mercury 05 | 08/12/15 | 08/12/15 19:35 | 150812S03 |
| 15-08-0568-79 | Matrix Spike | Solid | Mercury 05 | 08/12/15 | 08/12/15 19:37 | 150812S03 |
| 15-08-0568-79 | Matrix Spike Duplicate | Solid | Mercury 05 | 08/12/15 | 08/12/15 19:39 | 150812S03 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Mercury | ND | 0.8350 | 0.7615 | 91 | 0.7614 | 91 | 71-137 | 0 | 0-14 | |

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 08/12/15
 Work Order: 15-08-0857
 Preparation: EPA 3541
 Method: EPA 8270C SIM PAHs

Project: San Diego Shipyard North 131002-01.03

Page 3 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-4B-D-0535-150812 | Sample | Sediment | GC/MS AAA | 08/12/15 | 08/13/15 12:30 | 150812S13 |
| SD-N-C-4B-D-0535-150812 | Matrix Spike | Sediment | GC/MS AAA | 08/12/15 | 08/13/15 13:30 | 150812S13 |
| SD-N-C-4B-D-0535-150812 | Matrix Spike Duplicate | Sediment | GC/MS AAA | 08/12/15 | 08/13/15 13:50 | 150812S13 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-------------------------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Benzo (a) Anthracene | ND | 100.0 | 93.91 | 94 | 100.6 | 101 | 40-160 | 7 | 0-20 | |
| Benzo (a) Pyrene | 12.01 | 100.0 | 107.2 | 95 | 113.0 | 101 | 40-160 | 5 | 0-20 | |
| Chrysene | ND | 100.0 | 95.43 | 95 | 100.0 | 100 | 40-160 | 5 | 0-20 | |
| Dibenz (a,h) Anthracene | ND | 100.0 | 108.2 | 108 | 113.9 | 114 | 40-160 | 5 | 0-20 | |
| Fluoranthene | 17.80 | 100.0 | 106.0 | 88 | 110.8 | 93 | 40-160 | 4 | 0-20 | |

Return to Contents 

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 08/12/15
 Work Order: 15-08-0857
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners

Project: San Diego Shipyard North 131002-01.03

Page 4 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-4B-D-0535-150812 | Sample | Sediment | GC/MS HHH | 08/12/15 | 08/14/15 12:55 | 150812S14 |
| SD-N-C-4B-D-0535-150812 | Matrix Spike | Sediment | GC/MS HHH | 08/12/15 | 08/14/15 14:16 | 150812S14 |
| SD-N-C-4B-D-0535-150812 | Matrix Spike Duplicate | Sediment | GC/MS HHH | 08/12/15 | 08/14/15 14:42 | 150812S14 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| PCB018 | ND | 50.00 | 26.78 | 54 | 27.43 | 55 | 50-150 | 2 | 0-25 | |
| PCB028 | ND | 50.00 | 28.93 | 58 | 29.80 | 60 | 50-150 | 3 | 0-25 | |
| PCB044 | ND | 50.00 | 28.17 | 56 | 29.18 | 58 | 50-150 | 4 | 0-25 | |
| PCB052 | 0.2583 | 50.00 | 26.54 | 53 | 27.37 | 54 | 50-150 | 3 | 0-25 | |
| PCB066 | ND | 50.00 | 34.32 | 69 | 36.19 | 72 | 50-150 | 5 | 0-25 | |
| PCB077 | ND | 50.00 | 30.61 | 61 | 32.03 | 64 | 50-150 | 5 | 0-25 | |
| PCB101 | 0.4429 | 50.00 | 28.25 | 56 | 29.67 | 58 | 50-150 | 5 | 0-25 | |
| PCB105 | 0.2030 | 50.00 | 32.33 | 64 | 34.10 | 68 | 50-150 | 5 | 0-25 | |
| PCB118 | 0.4152 | 50.00 | 33.87 | 67 | 35.59 | 70 | 50-150 | 5 | 0-25 | |
| PCB126 | ND | 50.00 | 31.95 | 64 | 34.11 | 68 | 50-150 | 7 | 0-25 | |
| PCB128 | ND | 50.00 | 30.12 | 60 | 31.80 | 64 | 50-150 | 5 | 0-25 | |
| PCB170 | ND | 50.00 | 31.15 | 62 | 32.05 | 64 | 50-150 | 3 | 0-25 | |
| PCB180 | 0.2208 | 50.00 | 32.58 | 65 | 35.03 | 70 | 50-150 | 7 | 0-25 | |
| PCB187 | ND | 50.00 | 30.80 | 62 | 32.39 | 65 | 50-150 | 5 | 0-25 | |
| PCB206 | ND | 50.00 | 31.44 | 63 | 32.52 | 65 | 50-150 | 3 | 0-25 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 08/12/15
 Work Order: 15-08-0857
 Preparation: EPA 3550B (M)
 Method: Organotins by Krone et al.

Project: San Diego Shipyard North 131002-01.03

Page 5 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-4B-D-0535-150812 | Sample | Sediment | GC/MS Y | 08/12/15 | 08/14/15 10:25 | 150812S15 |
| SD-N-C-4B-D-0535-150812 | Matrix Spike | Sediment | GC/MS Y | 08/12/15 | 08/14/15 11:45 | 150812S15 |
| SD-N-C-4B-D-0535-150812 | Matrix Spike Duplicate | Sediment | GC/MS Y | 08/12/15 | 08/14/15 12:01 | 150812S15 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-------------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Tributyltin | ND | 100.0 | 75.16 | 75 | 81.69 | 82 | 34-142 | 8 | 0-50 | |

Quality Control - PDS

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 08/12/15
 Work Order: 15-08-0857
 Preparation: EPA 3050B
 Method: EPA 6020

Project: San Diego Shipyard North 131002-01.03

Page 1 of 1

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | PDS/PDSD Batch Number |
|---------------------------|--------|--------|------------|----------------|----------------|-----------------------|
| 15-08-0709-1 | Sample | Solid | ICP/MS 04 | 08/12/15 00:00 | 08/12/15 16:40 | 150812S01 |
| 15-08-0709-1 | PDS | Solid | ICP/MS 04 | 08/12/15 00:00 | 08/12/15 16:33 | 150812S01 |

| <u>Parameter</u> | <u>Sample Conc.</u> | <u>Spike Added</u> | <u>PDS Conc.</u> | <u>PDS %Rec.</u> | <u>%Rec. CL</u> | <u>Qualifiers</u> |
|------------------|---------------------|--------------------|------------------|------------------|-----------------|-------------------|
| Copper | 9.475 | 25.00 | 34.66 | 101 | 75-125 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - Sample Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 08/12/15
 Work Order: 15-08-0857
 Preparation: N/A
 Method: SM 2540 B (M)

Project: San Diego Shipyard North 131002-01.03

Page 1 of 1

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | Duplicate Batch Number |
|---------------------------|------------------|----------|------------|----------------|----------------|------------------------|
| SD-N-C-4B-D-0535-150812 | Sample | Sediment | N/A | 08/12/15 00:00 | 08/13/15 13:30 | F0813TSD3 |
| SD-N-C-4B-D-0535-150812 | Sample Duplicate | Sediment | N/A | 08/12/15 00:00 | 08/13/15 13:30 | F0813TSD3 |

| Parameter | Sample Conc. | DUP Conc. | RPD | RPD CL | Qualifiers |
|---------------|--------------|-----------|-----|--------|------------|
| Solids, Total | 77.50 | 78.50 | 1 | 0-10 | |

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 08/12/15
 Work Order: 15-08-0857
 Preparation: EPA 3050B
 Method: EPA 6020

Project: San Diego Shipyard North 131002-01.03

Page 1 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|------|--------|------------|---------------|----------------|-----------------------|
| 099-15-254-342 | LCS | Solid | ICP/MS 04 | 08/12/15 | 08/12/15 16:21 | 150812L01E |
| 099-15-254-342 | LCSD | Solid | ICP/MS 03 | 08/12/15 | 08/13/15 11:24 | 150812L01E |

| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|-------------|-----------|-----------|------------|------------|----------|-----|--------|------------|
| Copper | 25.00 | 26.35 | 105 | 26.81 | 107 | 80-120 | 2 | 0-20 | |

Return to Contents 

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 08/12/15
 Work Order: 15-08-0857
 Preparation: EPA 7471A Total
 Method: EPA 7471A

Project: San Diego Shipyard North 131002-01.03

Page 2 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|------|--------|------------|---------------|----------------|-----------------------|
| 099-16-278-155 | LCS | Solid | Mercury 05 | 08/12/15 | 08/12/15 19:33 | 150812L03E |
| 099-16-278-155 | LCSD | Solid | Mercury 05 | 08/12/15 | 08/13/15 13:09 | 150812L03E |

| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|-------------|-----------|-----------|------------|------------|----------|-----|--------|------------|
| Mercury | 0.8350 | 0.7899 | 95 | 0.8214 | 98 | 82-124 | 4 | 0-16 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 08/12/15
 Work Order: 15-08-0857
 Preparation: EPA 3541
 Method: EPA 8270C SIM PAHs

Project: San Diego Shipyard North 131002-01.03

Page 3 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|------|--------|------------|---------------|----------------|-----------------------|
| 099-14-097-174 | LCS | Solid | GC/MS AAA | 08/12/15 | 08/13/15 11:30 | 150812L13 |
| 099-14-097-174 | LCSD | Solid | GC/MS AAA | 08/12/15 | 08/13/15 11:50 | 150812L13 |

| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-------------------------|-------------|-----------|-----------|------------|------------|----------|-----|--------|------------|
| Benzo (a) Anthracene | 100.0 | 82.91 | 83 | 91.36 | 91 | 40-160 | 10 | 0-20 | |
| Benzo (a) Pyrene | 100.0 | 85.77 | 86 | 92.67 | 93 | 40-160 | 8 | 0-20 | |
| Chrysene | 100.0 | 88.10 | 88 | 93.96 | 94 | 40-160 | 6 | 0-20 | |
| Dibenz (a,h) Anthracene | 100.0 | 97.32 | 97 | 104.4 | 104 | 40-160 | 7 | 0-20 | |
| Fluoranthene | 100.0 | 88.98 | 89 | 95.81 | 96 | 40-160 | 7 | 0-20 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 08/12/15
 Work Order: 15-08-0857
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners

Project: San Diego Shipyard North 131002-01.03

Page 4 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|------|--------|------------|---------------|----------------|-----------------------|
| 099-16-418-94 | LCS | Solid | GC/MS HHH | 08/12/15 | 08/14/15 11:34 | 150812L14 |
| 099-16-418-94 | LCSD | Solid | GC/MS HHH | 08/12/15 | 08/14/15 12:01 | 150812L14 |

| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | ME CL | RPD | RPD CL | Qualifiers |
|-----------|-------------|-----------|-----------|------------|------------|----------|--------|-----|--------|------------|
| PCB018 | 50.00 | 28.55 | 57 | 27.78 | 56 | 50-150 | 33-167 | 3 | 0-25 | |
| PCB028 | 50.00 | 29.01 | 58 | 28.25 | 57 | 50-150 | 33-167 | 3 | 0-25 | |
| PCB044 | 50.00 | 27.35 | 55 | 26.64 | 53 | 50-150 | 33-167 | 3 | 0-25 | |
| PCB052 | 50.00 | 25.48 | 51 | 25.02 | 50 | 50-150 | 33-167 | 2 | 0-25 | |
| PCB066 | 50.00 | 33.21 | 66 | 32.31 | 65 | 50-150 | 33-167 | 3 | 0-25 | |
| PCB077 | 50.00 | 29.66 | 59 | 29.08 | 58 | 50-150 | 33-167 | 2 | 0-25 | |
| PCB101 | 50.00 | 27.22 | 54 | 26.36 | 53 | 50-150 | 33-167 | 3 | 0-25 | |
| PCB105 | 50.00 | 30.70 | 61 | 30.10 | 60 | 50-150 | 33-167 | 2 | 0-25 | |
| PCB118 | 50.00 | 31.92 | 64 | 31.26 | 63 | 50-150 | 33-167 | 2 | 0-25 | |
| PCB126 | 50.00 | 30.58 | 61 | 29.55 | 59 | 50-150 | 33-167 | 3 | 0-25 | |
| PCB128 | 50.00 | 28.66 | 57 | 28.03 | 56 | 50-150 | 33-167 | 2 | 0-25 | |
| PCB170 | 50.00 | 31.19 | 62 | 30.02 | 60 | 50-150 | 33-167 | 4 | 0-25 | |
| PCB180 | 50.00 | 30.75 | 62 | 30.19 | 60 | 50-150 | 33-167 | 2 | 0-25 | |
| PCB187 | 50.00 | 28.22 | 56 | 27.84 | 56 | 50-150 | 33-167 | 1 | 0-25 | |
| PCB206 | 50.00 | 30.77 | 62 | 29.99 | 60 | 50-150 | 33-167 | 3 | 0-25 | |

Total number of LCS compounds: 15
 Total number of ME compounds: 0
 Total number of ME compounds allowed: 1
 LCS ME CL validation result: Pass

Return to Contents

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 08/12/15
 Work Order: 15-08-0857
 Preparation: EPA 3550B (M)
 Method: Organotins by Krone et al.

Project: San Diego Shipyard North 131002-01.03

Page 5 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|------|--------|------------|---------------|----------------|-----------------------|
| 099-07-016-1303 | LCS | Solid | GC/MS Y | 08/12/15 | 08/14/15 09:37 | 150812L15 |
| 099-07-016-1303 | LCSD | Solid | GC/MS Y | 08/12/15 | 08/14/15 09:53 | 150812L15 |

| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-------------|-------------|-----------|-----------|------------|------------|----------|-----|--------|------------|
| Tributyltin | 100.0 | 87.77 | 88 | 90.87 | 91 | 33-147 | 3 | 0-20 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

| <u>Qualifiers</u> | <u>Definition</u> |
|-------------------|---|
| * | See applicable analysis comment. |
| < | Less than the indicated value. |
| > | Greater than the indicated value. |
| 1 | Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification. |
| 2 | Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification. |
| 3 | Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control. |
| 4 | The MS/MSD RPD was out of control due to suspected matrix interference. |
| 5 | The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference. |
| 6 | Surrogate recovery below the acceptance limit. |
| 7 | Surrogate recovery above the acceptance limit. |
| B | Analyte was present in the associated method blank. |
| BU | Sample analyzed after holding time expired. |
| BV | Sample received after holding time expired. |
| CI | See case narrative. |
| E | Concentration exceeds the calibration range. |
| ET | Sample was extracted past end of recommended max. holding time. |
| HD | The chromatographic pattern was inconsistent with the profile of the reference fuel standard. |
| HDH | The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected). |
| HDL | The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected). |
| J | Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated. |
| JA | Analyte positively identified but quantitation is an estimate. |
| ME | LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean). |
| ND | Parameter not detected at the indicated reporting limit. |
| Q | Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater. |
| SG | The sample extract was subjected to Silica Gel treatment prior to analysis. |
| X | % Recovery and/or RPD out-of-range. |
| Z | Analyte presence was not confirmed by second column or GC/MS analysis. |
| | Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis. |
| | Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time. |
| | A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations. |



Calscience

7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

CHAIN OF CUSTODY RECORD

DATE: 8/12/15

PAGE: 1 OF 1

WO # / LAB USE ONLY
15-08-0857

LABORATORY CLIENT: Anchor QEA

ADDRESS: 27201 Puerta Real, Suite 350
CITY: Mission Viejo STATE: CA ZIP: 92691

TEL: 949.347.2780 E-MAIL: agale@anchorqea.com or kking@anchorqea.com

CLIENT PROJECT NAME / NUMBER: San Diego Shipyards - North
PROJECT CONTACT: Adam Gale or Kyle King

P.O. NO.: 13/08-01.03
SAMPLER(S) (PRINT): C. Dolphin, N. Kennedy

REQUESTED ANALYSES

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
 SAME DAY 24 HR 48 HR 72 HR 5 DAYS STANDARD

COELT EDF GLOBAL ID: LOG CODE:

SPECIAL INSTRUCTIONS:
 Rush samples: Start drying process asap.
 Report J-flags
 Report metals, PAHs, solids on a 24hr TAT and PCBs, organotins on a 48hr TAT
 Standard Excel file EDD in addition to COELT EDF

| LAB USE ONLY | SAMPLE ID | SAMPLING | | MATRIX | NO. OF CONT. | LOG CODE: | | |
|--------------|-------------------------|----------|------|--------|--------------|-------------|-----------|----------------|
| | | DATE | TIME | | | Unpreserved | Preserved | Field Filtered |
| 1 | SD-N-C-46-D-0005-150812 | 8/10/15 | 0815 | SED | 1 | | | |
| 2 | SD-N-C-46-D-0535-150812 | | 0815 | SED | 1 | | | |
| 3 | SD-N-C-46-D-0005-150812 | | 0901 | SED | 1 | | | |
| 4 | SD-N-C-44-D-0535-150812 | | 0901 | SED | 1 | | | |
| 5 | SD-N-C-3D-D-0003-150812 | | 0952 | SED | 1 | | | |
| 6 | SD-N-C-3D-D-0535-150812 | | 0952 | SED | 1 | | | |
| | | | | SED | | | | |
| | | | | SED | | | | |
| | | | | SED | | | | |
| | | | | SED | | | | |

Please check box or fill in blank as needed.

| SM 2540 B (M) Total solids | EPA 6020 /7471A Cu, Hg | EPA 8270C SIM PCB Congeners | EPA 8270C SIM PAHs | Organotins by Krone et al. (Tributyltin only) | Archives |
|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|---|-------------------------------------|
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |

Relinquished by: (Signature) [Signature] Date: 8/12/15 Time: 1400

Received by: (Signature/Affiliation) [Signature] Date: 8/12/15 Time: 1900

Relinquished by: (Signature) [Signature] Date: 8/12/15 Time: 1900

Received by: (Signature/Affiliation) [Signature] Date: 8/12/15 Time: 1900



SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: ANCHOR

DATE: 08 / 12 / 2015

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC5 (CF:-0.2°C); Temperature (w/o CF): 2.6 °C (w/ CF): 2.4 °C; Blank Sample

Sample(s) outside temperature criteria (PM/APM contacted by: _____)

Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: Air Filter

Checked by: 671

CUSTODY SEAL:

Cooler Present and Intact Present but Not Intact Not Present N/A

Checked by: 671

Sample(s) Present and Intact Present but Not Intact Not Present N/A

Checked by: 1017

SAMPLE CONDITION:

| | Yes | No | N/A |
|--|-------------------------------------|--------------------------|-------------------------------------|
| Chain-of-Custody (COC) document(s) received with samples | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| COC document(s) received complete | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> Sampling date <input type="checkbox"/> Sampling time <input type="checkbox"/> Matrix <input type="checkbox"/> Number of containers | | | |
| <input type="checkbox"/> No analysis requested <input type="checkbox"/> Not relinquished <input type="checkbox"/> No relinquished date <input type="checkbox"/> No relinquished time | | | |
| Sampler's name indicated on COC | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Sample container label(s) consistent with COC | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Sample container(s) intact and in good condition | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Proper containers for analyses requested | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Sufficient volume/mass for analyses requested | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Samples received within holding time | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Aqueous samples for certain analyses received within 15-minute holding time | | | |
| <input type="checkbox"/> pH <input type="checkbox"/> Residual Chlorine <input type="checkbox"/> Dissolved Sulfide <input type="checkbox"/> Dissolved Oxygen | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Proper preservation chemical(s) noted on COC and/or sample container | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Unpreserved aqueous sample(s) received for certain analyses | | | |
| <input type="checkbox"/> Volatile Organics <input type="checkbox"/> Total Metals <input type="checkbox"/> Dissolved Metals | | | |
| Container(s) for certain analysis free of headspace | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input type="checkbox"/> Volatile Organics <input type="checkbox"/> Dissolved Gases (RSK-175) <input type="checkbox"/> Dissolved Oxygen (SM 4500) | | | |
| <input type="checkbox"/> Carbon Dioxide (SM 4500) <input type="checkbox"/> Ferrous Iron (SM 3500) <input type="checkbox"/> Hydrogen Sulfide (Hach) | | | |
| Tedlar™ bag(s) free of condensation | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

CONTAINER TYPE:

(Trip Blank Lot Number: _____)

Aqueous: VOA VOA_h VOA_{na2} 100PJ 100PJ_{na2} 125AGB 125AGB_h 125AGB_p 125PB 125PB_{z_{na}} 250AGB 250CGB 250CGB_s 250PB 250PB_n 500AGB 500AGJ 500AGJ_s 500PB 1AGB 1AGB_{na2} 1AGB_s 1PB 1PB_{na} _____ _____ _____ _____

Solid: 4ozCGJ 8ozCGJ 16ozCGJ Sleeve (_____) EnCores® (_____) TerraCores® (_____) _____

Air: Tedlar™ Canister Sorbent Tube PUF _____ Other Matrix (_____) _____ _____

Container: A = Amber, B = Bottle, C = Clear, E = Envelope, G = Glass, J = Jar, P = Plastic, and Z = Ziploc/Resealable Bag

Preservative: b = buffered, f = filtered, h = HCl, n = HNO₃, na = NaOH, na₂ = Na₂S₂O₃, p = H₃PO₄, Labeled/Checked by: 1017

s = H₂SO₄, u = ultra-pure, z_{na} = Zn(CH₃CO₂)₂ + NaOH Reviewed by: 671

Return to Contents

Nicole Scott

From: Cindy Fields [cfields@anchorqea.com]
Sent: Thursday, August 13, 2015 1:12 PM
To: Nicole Scott
Cc: Danielle Gonsman
Subject: FW: San Diego Shipyard North 131002-01.03 / CEL 15-08-0857
Attachments: 15-08-0857.pdf

Hi Nicole,
Could you please change the following sample ID:

From **SD-N-C-3D-D-0535-150812**
To **SD-N-C-03-D-0535-150812**

We logged it incorrectly on the COC.
Thanks!

Cindy Fields
Scientist

ANCHOR QEA, LLC
cfields@anchorqea.com
D 206.903.3394
C 206.326.8170

This electronic message transmission contains information that may be confidential and/or privileged work product prepared in anticipation of litigation. The information is intended for the use of the individual or entity named above. If you are not the intended recipient, please be aware that any disclosure, copying distribution or use of the contents of this information is prohibited. If you have received this electronic transmission in error, please notify us by telephone at (206) 287-9130.

 Return to Contents

From: Nicole Scott [<mailto:NicoleScott@eurofinsUS.com>]
Sent: Thursday, August 13, 2015 10:30 AM
To: Adam Gale <agale@anchorqea.com>
Cc: Danielle Gonsman <DanielleGonsman@eurofinsUS.com>; Cindy Fields <cfields@anchorqea.com>; Kyle King <kking@anchorqea.com>
Subject: San Diego Shipyard North 131002-01.03 / CEL 15-08-0857

Sample receipt confirmation attached – please review and let us know if any changes need to be made.

Thank you,
Nicole Scott
Project Manager Assistant

 **eurofins** | Calscience

7440 Lincoln Way
Garden Grove, CA 92841
USA
Phone +1 714 895 5494
Fax +1 714 894 7501



Calscience



WORK ORDER NUMBER: 15-09-1970

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: ANCHOR QEA, LLC

Client Project Name: San Diego Shipyard North

Attention: Adam Gale
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Approved for release on 09/29/2015 by:
Carla Hollowell
Project Manager

ResultLink ▶

Email your PM ▶



Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

Contents

Client Project Name: San Diego Shipyard North
 Work Order Number: 15-09-1970

| | | |
|---|--|----|
| 1 | Work Order Narrative. | 3 |
| 2 | Sample Summary. | 4 |
| 3 | Detections Summary. | 5 |
| 4 | Client Sample Data. | 6 |
| | 4.1 SM 2540 B (M) Total Solids (Solid). | 6 |
| | 4.2 EPA 6020 ICP/MS Metals (Solid). | 7 |
| | 4.3 EPA 7471A Mercury (Solid). | 8 |
| | 4.4 EPA 8270C SIM PAHs (Solid). | 9 |
| | 4.5 EPA 8270C SIM PCB Congeners (Solid). | 10 |
| | 4.6 Krone et al. Organotins (Solid). | 14 |
| 5 | Quality Control Sample Data. | 15 |
| | 5.1 MS/MSD. | 15 |
| | 5.2 PDS/PDSD. | 20 |
| | 5.3 Sample Duplicate. | 22 |
| | 5.4 LCS/LCSD. | 23 |
| 6 | Glossary of Terms and Qualifiers. | 28 |
| 7 | Chain-of-Custody/Sample Receipt Form. | 29 |

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 09/24/15. They were assigned to Work Order 15-09-1970.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of ≤ 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

Sample Summary

| | |
|------------------------------|--|
| Client: ANCHOR QEA, LLC | Work Order: 15-09-1970 |
| 27201 Puerta Real, Suite 350 | Project Name: San Diego Shipyard North |
| Mission Viejo, CA 92691-8306 | PO Number: |
| | Date/Time Received: 09/24/15 18:25 |
| | Number of Containers: 2 |

Attn: Adam Gale

| Sample Identification | Lab Number | Collection Date and Time | Number of Containers | Matrix |
|------------------------------|--------------|--------------------------|----------------------|----------|
| SD-N-C-D-Scow-01-0005-150924 | 15-09-1970-1 | 09/24/15 09:58 | 1 | Sediment |
| SD-N-C-D-Scow-01-0535-150924 | 15-09-1970-2 | 09/24/15 09:58 | 1 | Sediment |



Calscience

Detections Summary

Client: ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Work Order: 15-09-1970
 Project Name: San Diego Shipyard North
 Received: 09/24/15

Attn: Adam Gale

Page 1 of 1

Client SampleID

| <u>Analyte</u> | <u>Result</u> | <u>Qualifiers</u> | <u>RL</u> | <u>Units</u> | <u>Method</u> | <u>Extraction</u> |
|---|---------------|-------------------|-----------|--------------|--------------------|-------------------|
| SD-N-C-D-Scow-01-0535-150924 (15-09-1970-2) | | | | | | |
| Copper | 15.6 | | 0.120 | mg/kg | EPA 6020 | EPA 3050B |
| Mercury | 0.00725 | J | 0.00681* | mg/kg | EPA 7471A | EPA 7471A Total |
| Benzo (a) Anthracene | 4.6 | J | 2.6* | ug/kg | EPA 8270C SIM PAHs | EPA 3541 |
| Benzo (a) Pyrene | 6.2 | J | 2.2* | ug/kg | EPA 8270C SIM PAHs | EPA 3541 |
| Chrysene | 4.0 | J | 2.7* | ug/kg | EPA 8270C SIM PAHs | EPA 3541 |
| Fluoranthene | 8.7 | J | 2.2* | ug/kg | EPA 8270C SIM PAHs | EPA 3541 |
| Solids, Total | 83.4 | | 0.100 | % | SM 2540 B (M) | N/A |

Subcontracted analyses, if any, are not included in this summary.

Return to Contents

* MDL is shown



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 09/24/15
Work Order: 15-09-1970
Preparation: N/A
Method: SM 2540 B (M)
Units: %

Project: San Diego Shipyard North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|------------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-D-Scow-01-0535-150924 | 15-09-1970-2-A | 09/24/15 09:58 | Sediment | N/A | 09/24/15 | 09/25/15 12:00 | F0925TSB1 |

| Parameter | Result | RL | DF | Qualifiers |
|---------------|--------|-------|------|------------|
| Solids, Total | 83.4 | 0.100 | 1.00 | |

| Method Blank | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-05-019-3014 | N/A | Solid | N/A | 09/24/15 | 09/25/15 12:00 | F0925TSB1 |

| Parameter | Result | RL | DF | Qualifiers |
|---------------|--------|-------|------|------------|
| Solids, Total | ND | 0.100 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 09/24/15
Work Order: 15-09-1970
Preparation: EPA 3050B
Method: EPA 6020
Units: mg/kg

Project: San Diego Shipyard North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|------------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-D-Scow-01-0535-150924 | 15-09-1970-2-AA | 09/24/15 09:58 | Sediment | ICP/MS 03 | 09/24/15 | 09/25/15 11:25 | 150924L01E |

Comment(s): - Results are reported on a dry weight basis.
- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|-------|--------|------|------------|
| Copper | 15.6 | 0.120 | 0.0503 | 1.00 | |

| Method Blank | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-15-254-354 | N/A | Solid | ICP/MS 03 | 09/24/15 | 09/25/15 10:56 | 150924L01E |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|-------|--------|------|------------|
| Copper | ND | 0.100 | 0.0419 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 09/24/15
Work Order: 15-09-1970
Preparation: EPA 7471A Total
Method: EPA 7471A
Units: mg/kg

Project: San Diego Shipyard North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|------------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-D-Scow-01-0535-150924 | 15-09-1970-2-AA | 09/24/15 09:58 | Sediment | Mercury 05 | 09/25/15 | 09/25/15 15:02 | 150925L01E |

Comment(s): - Results are reported on a dry weight basis.
- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|---------|--------|---------|------|------------|
| Mercury | 0.00725 | 0.0232 | 0.00681 | 1.00 | J |

| Method Blank | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-16-278-168 | N/A | Solid | Mercury 05 | 09/25/15 | 09/25/15 14:35 | 150925L01E |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|--------|---------|------|------------|
| Mercury | ND | 0.0200 | 0.00587 | 1.00 | |



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 09/24/15
Work Order: 15-09-1970
Preparation: EPA 3541
Method: EPA 8270C SIM PAHs
Units: ug/kg

Project: San Diego Shipyard North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|------------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-D-Scow-01-0535-150924 | 15-09-1970-2-AA | 09/24/15 09:58 | Sediment | GC/MS AAA | 09/24/15 | 09/25/15 18:49 | 150924L16 |

Comment(s): - Results are reported on a dry weight basis.

- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-------------------------|--------|----|-----|------|------------|
| Benzo (a) Anthracene | 4.6 | 12 | 2.6 | 1.00 | J |
| Benzo (a) Pyrene | 6.2 | 12 | 2.2 | 1.00 | J |
| Chrysene | 4.0 | 12 | 2.7 | 1.00 | J |
| Dibenz (a,h) Anthracene | ND | 12 | 2.3 | 1.00 | |
| Fluoranthene | 8.7 | 12 | 2.2 | 1.00 | J |
| Perylene | ND | 12 | 2.9 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|------------------|----------|----------------|------------|
| 2-Fluorobiphenyl | 66 | 14-146 | |
| Nitrobenzene-d5 | 72 | 18-162 | |
| p-Terphenyl-d14 | 77 | 34-148 | |

| Method Blank | 099-14-097-179 | N/A | Solid | GC/MS AAA | 09/24/15 | 09/25/15 17:07 | 150924L16 |
|--------------|----------------|-----|-------|-----------|----------|-------------------|-----------|
|--------------|----------------|-----|-------|-----------|----------|-------------------|-----------|

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-------------------------|--------|----|-----|------|------------|
| Benzo (a) Anthracene | ND | 10 | 2.2 | 1.00 | |
| Benzo (a) Pyrene | ND | 10 | 1.8 | 1.00 | |
| Chrysene | ND | 10 | 2.2 | 1.00 | |
| Dibenz (a,h) Anthracene | ND | 10 | 2.0 | 1.00 | |
| Fluoranthene | ND | 10 | 1.8 | 1.00 | |
| Perylene | ND | 10 | 2.4 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|------------------|----------|----------------|------------|
| 2-Fluorobiphenyl | 67 | 14-146 | |
| Nitrobenzene-d5 | 74 | 18-162 | |
| p-Terphenyl-d14 | 69 | 34-148 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 09/24/15
Work Order: 15-09-1970
Preparation: EPA 3541
Method: EPA 8270C SIM PCB Congeners
Units: ug/kg

Project: San Diego Shipyard North

Page 1 of 4

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|------------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-D-Scow-01-0535-150924 | 15-09-1970-2-AA | 09/24/15 09:58 | Sediment | GC/MS HHH | 09/24/15 | 09/28/15 16:12 | 150924L17 |

Comment(s): - Results are reported on a dry weight basis.

- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|------------|--------|------|-------|------|------------|
| PCB018 | ND | 0.24 | 0.086 | 1.00 | |
| PCB028 | ND | 0.24 | 0.040 | 1.00 | |
| PCB037 | ND | 0.24 | 0.073 | 1.00 | |
| PCB044 | ND | 0.24 | 0.10 | 1.00 | |
| PCB049 | ND | 0.24 | 0.14 | 1.00 | |
| PCB052 | ND | 0.24 | 0.076 | 1.00 | |
| PCB066 | ND | 0.24 | 0.12 | 1.00 | |
| PCB070 | ND | 0.24 | 0.072 | 1.00 | |
| PCB074 | ND | 0.24 | 0.10 | 1.00 | |
| PCB077 | ND | 0.24 | 0.094 | 1.00 | |
| PCB081 | ND | 0.24 | 0.14 | 1.00 | |
| PCB087 | ND | 0.24 | 0.13 | 1.00 | |
| PCB099 | ND | 0.24 | 0.073 | 1.00 | |
| PCB101 | ND | 0.24 | 0.12 | 1.00 | |
| PCB105 | ND | 0.24 | 0.066 | 1.00 | |
| PCB110 | ND | 0.24 | 0.055 | 1.00 | |
| PCB114 | ND | 0.24 | 0.099 | 1.00 | |
| PCB118 | ND | 0.24 | 0.10 | 1.00 | |
| PCB119 | ND | 0.24 | 0.11 | 1.00 | |
| PCB123 | ND | 0.24 | 0.13 | 1.00 | |
| PCB126 | ND | 0.24 | 0.096 | 1.00 | |
| PCB128 | ND | 0.24 | 0.12 | 1.00 | |
| PCB132/153 | ND | 0.48 | 0.21 | 1.00 | |
| PCB138/158 | ND | 0.48 | 0.11 | 1.00 | |
| PCB149 | ND | 0.24 | 0.12 | 1.00 | |
| PCB151 | ND | 0.24 | 0.081 | 1.00 | |
| PCB156 | ND | 0.24 | 0.069 | 1.00 | |
| PCB157 | ND | 0.24 | 0.063 | 1.00 | |
| PCB167 | ND | 0.24 | 0.074 | 1.00 | |
| PCB168 | ND | 0.24 | 0.059 | 1.00 | |
| PCB169 | ND | 0.24 | 0.073 | 1.00 | |
| PCB170 | ND | 0.24 | 0.076 | 1.00 | |
| PCB177 | ND | 0.24 | 0.10 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 09/24/15
 Work Order: 15-09-1970
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyard North

Page 2 of 4

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|-----------------|-----------------------|-------------------|-----------|-------------------|
| PCB180 | ND | 0.24 | 0.051 | 1.00 | |
| PCB183 | ND | 0.24 | 0.13 | 1.00 | |
| PCB187 | ND | 0.24 | 0.10 | 1.00 | |
| PCB189 | ND | 0.24 | 0.074 | 1.00 | |
| PCB194 | ND | 0.24 | 0.14 | 1.00 | |
| PCB201 | ND | 0.24 | 0.12 | 1.00 | |
| PCB206 | ND | 0.24 | 0.23 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | | |
| 2-Fluorobiphenyl | 105 | 50-150 | | | |
| p-Terphenyl-d14 | 111 | 50-150 | | | |

Return to Contents 

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 09/24/15
Work Order: 15-09-1970
Preparation: EPA 3541
Method: EPA 8270C SIM PCB Congeners
Units: ug/kg

Project: San Diego Shipyard North

Page 3 of 4

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-16-418-103 | N/A | Solid | GC/MS HHH | 09/24/15 | 09/26/15 16:10 | 150924L17 |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|------------|--------|------|-------|------|------------|
| PCB018 | ND | 0.20 | 0.071 | 1.00 | |
| PCB028 | ND | 0.20 | 0.034 | 1.00 | |
| PCB037 | ND | 0.20 | 0.060 | 1.00 | |
| PCB044 | ND | 0.20 | 0.087 | 1.00 | |
| PCB049 | ND | 0.20 | 0.11 | 1.00 | |
| PCB052 | ND | 0.20 | 0.063 | 1.00 | |
| PCB066 | ND | 0.20 | 0.10 | 1.00 | |
| PCB070 | ND | 0.20 | 0.060 | 1.00 | |
| PCB074 | ND | 0.20 | 0.087 | 1.00 | |
| PCB077 | ND | 0.20 | 0.078 | 1.00 | |
| PCB081 | ND | 0.20 | 0.12 | 1.00 | |
| PCB087 | ND | 0.20 | 0.11 | 1.00 | |
| PCB099 | ND | 0.20 | 0.061 | 1.00 | |
| PCB101 | ND | 0.20 | 0.098 | 1.00 | |
| PCB105 | ND | 0.20 | 0.055 | 1.00 | |
| PCB110 | ND | 0.20 | 0.046 | 1.00 | |
| PCB114 | ND | 0.20 | 0.082 | 1.00 | |
| PCB118 | ND | 0.20 | 0.084 | 1.00 | |
| PCB119 | ND | 0.20 | 0.094 | 1.00 | |
| PCB123 | ND | 0.20 | 0.10 | 1.00 | |
| PCB126 | ND | 0.20 | 0.080 | 1.00 | |
| PCB128 | ND | 0.20 | 0.10 | 1.00 | |
| PCB132/153 | ND | 0.40 | 0.17 | 1.00 | |
| PCB138/158 | ND | 0.40 | 0.094 | 1.00 | |
| PCB149 | ND | 0.20 | 0.098 | 1.00 | |
| PCB151 | ND | 0.20 | 0.067 | 1.00 | |
| PCB156 | ND | 0.20 | 0.058 | 1.00 | |
| PCB157 | ND | 0.20 | 0.052 | 1.00 | |
| PCB167 | ND | 0.20 | 0.062 | 1.00 | |
| PCB168 | ND | 0.20 | 0.049 | 1.00 | |
| PCB169 | ND | 0.20 | 0.061 | 1.00 | |
| PCB170 | ND | 0.20 | 0.063 | 1.00 | |
| PCB177 | ND | 0.20 | 0.087 | 1.00 | |
| PCB180 | ND | 0.20 | 0.042 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 09/24/15
 Work Order: 15-09-1970
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyard North

Page 4 of 4

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|---------------|-----------|------------|-----------|-------------------|
| PCB183 | ND | 0.20 | 0.11 | 1.00 | |
| PCB187 | ND | 0.20 | 0.084 | 1.00 | |
| PCB189 | ND | 0.20 | 0.061 | 1.00 | |
| PCB194 | ND | 0.20 | 0.11 | 1.00 | |
| PCB201 | ND | 0.20 | 0.097 | 1.00 | |
| PCB206 | ND | 0.20 | 0.19 | 1.00 | |

| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> |
|------------------|-----------------|-----------------------|-------------------|
| 2-Fluorobiphenyl | 54 | 50-150 | |
| p-Terphenyl-d14 | 59 | 50-150 | |

Return to Contents 

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 09/24/15
Work Order: 15-09-1970
Preparation: EPA 3550B (M)
Method: Organotins by Krone et al.
Units: ug/kg

Project: San Diego Shipyard North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|------------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-D-Scow-01-0535-150924 | 15-09-1970-2-AA | 09/24/15 09:58 | Sediment | GC/MS Y | 09/24/15 | 09/26/15 16:22 | 150924L15 |

Comment(s): - Results are reported on a dry weight basis.
- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-------------|--------|-----|-----|------|------------|
| Tributyltin | ND | 3.6 | 1.8 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|--------------|----------|----------------|------------|
| Tripentyltin | 93 | 27-135 | |

| Method Blank | 099-07-016-1318 | N/A | Solid | GC/MS Y | 09/24/15 | 09/26/15 16:06 | 150924L15 |
|--------------|-----------------|-----|-------|---------|----------|-------------------|-----------|
|--------------|-----------------|-----|-------|---------|----------|-------------------|-----------|

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-------------|--------|-----|-----|------|------------|
| Tributyltin | ND | 3.0 | 1.5 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|--------------|----------|----------------|------------|
| Tripentyltin | 89 | 27-135 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 09/24/15
Work Order: 15-09-1970
Preparation: EPA 3050B
Method: EPA 6020

Project: San Diego Shipyard North

Page 1 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|------------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-D-Scow-01-0535-150924 | Sample | Sediment | ICP/MS 03 | 09/24/15 | 09/25/15 11:25 | 150924S01 |
| SD-N-C-D-Scow-01-0535-150924 | Matrix Spike | Sediment | ICP/MS 03 | 09/24/15 | 09/25/15 11:07 | 150924S01 |
| SD-N-C-D-Scow-01-0535-150924 | Matrix Spike Duplicate | Sediment | ICP/MS 03 | 09/24/15 | 09/25/15 11:10 | 150924S01 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Copper | 13.02 | 25.00 | 39.76 | 107 | 39.42 | 106 | 80-120 | 1 | 0-20 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 09/24/15
 Work Order: 15-09-1970
 Preparation: EPA 7471A Total
 Method: EPA 7471A

Project: San Diego Shipyard North

Page 2 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number | | | | |
|---------------------------|------------------------|-------------|------------|---------------|----------------|---------------------|----------|-----|--------|------------|
| 15-09-1762-2 | Sample | Solid | Mercury 05 | 09/25/15 | 09/25/15 14:42 | 150925S01 | | | | |
| 15-09-1762-2 | Matrix Spike | Solid | Mercury 05 | 09/25/15 | 09/25/15 14:44 | 150925S01 | | | | |
| 15-09-1762-2 | Matrix Spike Duplicate | Solid | Mercury 05 | 09/25/15 | 09/25/15 14:46 | 150925S01 | | | | |
| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
| Mercury | ND | 0.8350 | 0.8296 | 99 | 0.8697 | 104 | 71-137 | 5 | 0-14 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 09/24/15
Work Order: 15-09-1970
Preparation: EPA 3541
Method: EPA 8270C SIM PAHs

Project: San Diego Shipyard North

Page 3 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|------------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-D-Scow-01-0535-150924 | Sample | Sediment | GC/MS AAA | 09/24/15 | 09/25/15 18:49 | 150924S16 |
| SD-N-C-D-Scow-01-0535-150924 | Matrix Spike | Sediment | GC/MS AAA | 09/24/15 | 09/25/15 18:08 | 150924S16 |
| SD-N-C-D-Scow-01-0535-150924 | Matrix Spike Duplicate | Sediment | GC/MS AAA | 09/24/15 | 09/25/15 18:28 | 150924S16 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-------------------------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Benzo (a) Anthracene | ND | 100.0 | 74.61 | 75 | 70.35 | 70 | 40-160 | 6 | 0-20 | |
| Benzo (a) Pyrene | ND | 100.0 | 82.88 | 83 | 78.23 | 78 | 40-160 | 6 | 0-20 | |
| Chrysene | ND | 100.0 | 78.19 | 78 | 67.60 | 68 | 40-160 | 15 | 0-20 | |
| Dibenz (a,h) Anthracene | ND | 100.0 | 71.53 | 72 | 75.55 | 76 | 40-160 | 5 | 0-20 | |
| Fluoranthene | ND | 100.0 | 73.01 | 73 | 73.49 | 73 | 40-160 | 1 | 0-20 | |


 Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 09/24/15
Work Order: 15-09-1970
Preparation: EPA 3541
Method: EPA 8270C SIM PCB Congeners

Project: San Diego Shipyard North

Page 4 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| 15-09-1665-1 | Sample | Sediment | GC/MS HHH | 09/24/15 | 09/26/15 12:34 | 150924S17 |
| 15-09-1665-1 | Matrix Spike | Sediment | GC/MS HHH | 09/24/15 | 09/28/15 16:39 | 150924S17 |
| 15-09-1665-1 | Matrix Spike Duplicate | Sediment | GC/MS HHH | 09/24/15 | 09/28/15 17:05 | 150924S17 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| PCB018 | ND | 50.00 | 52.81 | 106 | 54.16 | 108 | 50-150 | 3 | 0-25 | |
| PCB028 | ND | 50.00 | 47.98 | 96 | 39.24 | 78 | 50-150 | 20 | 0-25 | |
| PCB044 | ND | 50.00 | 56.33 | 113 | 53.91 | 108 | 50-150 | 4 | 0-25 | |
| PCB052 | 0.4024 | 50.00 | 49.41 | 98 | 49.92 | 99 | 50-150 | 1 | 0-25 | |
| PCB066 | 0.2806 | 50.00 | 63.02 | 125 | 65.84 | 131 | 50-150 | 4 | 0-25 | |
| PCB077 | ND | 50.00 | 60.16 | 120 | 64.37 | 129 | 50-150 | 7 | 0-25 | |
| PCB101 | 0.8376 | 50.00 | 54.54 | 107 | 56.99 | 112 | 50-150 | 4 | 0-25 | |
| PCB105 | ND | 50.00 | 63.82 | 128 | 69.95 | 140 | 50-150 | 9 | 0-25 | |
| PCB118 | 0.8444 | 50.00 | 64.48 | 127 | 70.27 | 139 | 50-150 | 9 | 0-25 | |
| PCB126 | ND | 50.00 | 66.74 | 133 | 75.26 | 151 | 50-150 | 12 | 0-25 | 3 |
| PCB128 | ND | 50.00 | 62.73 | 125 | 67.90 | 136 | 50-150 | 8 | 0-25 | |
| PCB170 | 0.4205 | 50.00 | 58.73 | 117 | 55.83 | 111 | 50-150 | 5 | 0-25 | |
| PCB180 | 0.5230 | 50.00 | 76.36 | 152 | 82.29 | 164 | 50-150 | 7 | 0-25 | 3 |
| PCB187 | 0.3181 | 50.00 | 63.81 | 127 | 69.09 | 138 | 50-150 | 8 | 0-25 | |
| PCB206 | ND | 50.00 | 65.00 | 130 | 62.10 | 124 | 50-150 | 5 | 0-25 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 09/24/15
 Work Order: 15-09-1970
 Preparation: EPA 3550B (M)
 Method: Organotins by Krone et al.

Project: San Diego Shipyard North

Page 5 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|------------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-D-Scow-01-0535-150924 | Sample | Sediment | GC/MS Y | 09/24/15 | 09/26/15 16:22 | 150924S15 |
| SD-N-C-D-Scow-01-0535-150924 | Matrix Spike | Sediment | GC/MS Y | 09/24/15 | 09/26/15 16:38 | 150924S15 |
| SD-N-C-D-Scow-01-0535-150924 | Matrix Spike Duplicate | Sediment | GC/MS Y | 09/24/15 | 09/25/15 22:05 | 150924S15 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-------------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Tributyltin | ND | 100.0 | 70.88 | 71 | 100.0 | 100 | 34-142 | 34 | 0-50 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - PDS

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 09/24/15
 Work Order: 15-09-1970
 Preparation: EPA 3050B
 Method: EPA 6020

Project: San Diego Shipyard North

Page 1 of 2

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | PDS/PDSD Batch Number |
|------------------------------|--------|----------|------------|----------------|----------------|-----------------------|
| SD-N-C-D-Scow-01-0535-150924 | Sample | Sediment | ICP/MS 03 | 09/24/15 00:00 | 09/25/15 11:25 | 150924S01 |
| SD-N-C-D-Scow-01-0535-150924 | PDS | Sediment | ICP/MS 03 | 09/24/15 00:00 | 09/25/15 11:14 | 150924S01 |

| Parameter | Sample Conc. | Spike Added | PDS Conc. | PDS %Rec. | %Rec. CL | Qualifiers |
|-----------|--------------|-------------|-----------|-----------|----------|------------|
| Copper | 13.02 | 25.00 | 39.20 | 105 | 75-125 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - PDS

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 09/24/15
 Work Order: 15-09-1970
 Preparation: EPA 7471A Total
 Method: EPA 7471A

Project: San Diego Shipyard North

Page 2 of 2

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | PDS/PDSD Batch Number |
|---------------------------|---------------------|--------------------|------------------|------------------|-----------------|-----------------------|
| 15-09-1762-2 | Sample | Solid | Mercury 05 | 09/25/15 00:00 | 09/25/15 14:42 | 150925S01 |
| 15-09-1762-2 | PDS | Solid | Mercury 05 | 09/25/15 00:00 | 09/25/15 16:57 | 150925S01 |
| <u>Parameter</u> | <u>Sample Conc.</u> | <u>Spike Added</u> | <u>PDS Conc.</u> | <u>PDS %Rec.</u> | <u>%Rec. CL</u> | <u>Qualifiers</u> |
| Mercury | ND | 0.8350 | 0.8554 | 102 | 75-125 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Sample Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 09/24/15
 Work Order: 15-09-1970
 Preparation: N/A
 Method: SM 2540 B (M)

Project: San Diego Shipyard North

Page 1 of 1

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | Duplicate Batch Number |
|---------------------------|------------------|----------|------------|----------------|----------------|------------------------|
| 15-09-1746-1 | Sample | Sediment | N/A | 09/24/15 00:00 | 09/25/15 12:00 | F0925TSD1 |
| 15-09-1746-1 | Sample Duplicate | Sediment | N/A | 09/24/15 00:00 | 09/25/15 12:00 | F0925TSD1 |

| Parameter | Sample Conc. | DUP Conc. | RPD | RPD CL | Qualifiers |
|---------------|--------------|-----------|-----|--------|------------|
| Solids, Total | 78.90 | 78.70 | 0 | 0-10 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 09/24/15
 Work Order: 15-09-1970
 Preparation: EPA 3050B
 Method: EPA 6020

Project: San Diego Shipyard North

Page 1 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number | | | |
|---------------------------|-------------|-----------|------------|---------------|----------------|-----------------------|-----|--------|------------|
| 099-15-254-354 | LCS | Solid | ICP/MS 03 | 09/24/15 | 09/25/15 11:00 | 150924L01E | | | |
| 099-15-254-354 | LCSD | Solid | ICP/MS 03 | 09/24/15 | 09/25/15 11:03 | 150924L01E | | | |
| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
| Copper | 25.00 | 26.38 | 106 | 27.00 | 108 | 80-120 | 2 | 0-20 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 09/24/15
 Work Order: 15-09-1970
 Preparation: EPA 7471A Total
 Method: EPA 7471A

Project: San Diego Shipyard North

Page 2 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number | | | |
|---------------------------|-------------|-----------|------------|---------------|----------------|-----------------------|-----|--------|------------|
| 099-16-278-168 | LCS | Solid | Mercury 05 | 09/25/15 | 09/25/15 14:37 | 150925L01E | | | |
| 099-16-278-168 | LCSD | Solid | Mercury 05 | 09/25/15 | 09/25/15 14:40 | 150925L01E | | | |
| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
| Mercury | 0.8350 | 0.8886 | 106 | 0.8731 | 105 | 82-124 | 2 | 0-16 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 09/24/15
Work Order: 15-09-1970
Preparation: EPA 3541
Method: EPA 8270C SIM PAHs

Project: San Diego Shipyard North

Page 3 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number | | | |
|---------------------------|-------------|-----------|------------|---------------|----------------|-----------------------|-----|--------|------------|
| 099-14-097-179 | LCS | Solid | GC/MS AAA | 09/24/15 | 09/25/15 17:27 | 150924L16 | | | |
| 099-14-097-179 | LCSD | Solid | GC/MS AAA | 09/24/15 | 09/25/15 17:48 | 150924L16 | | | |
| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
| Benzo (a) Anthracene | 100.0 | 58.68 | 59 | 56.02 | 56 | 40-160 | 5 | 0-20 | |
| Benzo (a) Pyrene | 100.0 | 58.31 | 58 | 54.77 | 55 | 40-160 | 6 | 0-20 | |
| Chrysene | 100.0 | 57.91 | 58 | 55.82 | 56 | 40-160 | 4 | 0-20 | |
| Dibenz (a,h) Anthracene | 100.0 | 62.69 | 63 | 57.82 | 58 | 40-160 | 8 | 0-20 | |
| Fluoranthene | 100.0 | 59.87 | 60 | 56.73 | 57 | 40-160 | 5 | 0-20 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 09/24/15
Work Order: 15-09-1970
Preparation: EPA 3541
Method: EPA 8270C SIM PCB Congeners

Project: San Diego Shipyard North

Page 4 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number | | | | |
|---------------------------|-------------|-----------|------------|---------------|----------------|-----------------------|--------|-----|--------|------------|
| 099-16-418-103 | LCS | Solid | GC/MS HHH | 09/24/15 | 09/26/15 18:04 | 150924L17 | | | | |
| 099-16-418-103 | LCSD | Solid | GC/MS HHH | 09/24/15 | 09/26/15 18:30 | 150924L17 | | | | |
| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | ME CL | RPD | RPD CL | Qualifiers |
| PCB018 | 50.00 | 26.01 | 52 | 26.97 | 54 | 50-150 | 33-167 | 4 | 0-25 | |
| PCB028 | 50.00 | 29.44 | 59 | 27.86 | 56 | 50-150 | 33-167 | 6 | 0-25 | |
| PCB044 | 50.00 | 31.50 | 63 | 28.47 | 57 | 50-150 | 33-167 | 10 | 0-25 | |
| PCB052 | 50.00 | 28.32 | 57 | 25.79 | 52 | 50-150 | 33-167 | 9 | 0-25 | |
| PCB066 | 50.00 | 36.95 | 74 | 32.17 | 64 | 50-150 | 33-167 | 14 | 0-25 | |
| PCB077 | 50.00 | 36.12 | 72 | 30.43 | 61 | 50-150 | 33-167 | 17 | 0-25 | |
| PCB101 | 50.00 | 31.62 | 63 | 27.00 | 54 | 50-150 | 33-167 | 16 | 0-25 | |
| PCB105 | 50.00 | 36.99 | 74 | 30.82 | 62 | 50-150 | 33-167 | 18 | 0-25 | |
| PCB118 | 50.00 | 37.92 | 76 | 31.14 | 62 | 50-150 | 33-167 | 20 | 0-25 | |
| PCB126 | 50.00 | 37.59 | 75 | 30.46 | 61 | 50-150 | 33-167 | 21 | 0-25 | |
| PCB128 | 50.00 | 34.82 | 70 | 28.37 | 57 | 50-150 | 33-167 | 20 | 0-25 | |
| PCB170 | 50.00 | 35.16 | 70 | 29.24 | 58 | 50-150 | 33-167 | 18 | 0-25 | |
| PCB180 | 50.00 | 39.41 | 79 | 32.13 | 64 | 50-150 | 33-167 | 20 | 0-25 | |
| PCB187 | 50.00 | 35.13 | 70 | 28.82 | 58 | 50-150 | 33-167 | 20 | 0-25 | |
| PCB206 | 50.00 | 37.07 | 74 | 31.09 | 62 | 50-150 | 33-167 | 18 | 0-25 | |

Total number of LCS compounds: 15

Total number of ME compounds: 0

Total number of ME compounds allowed: 1

LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 09/24/15
 Work Order: 15-09-1970
 Preparation: EPA 3550B (M)
 Method: Organotins by Krone et al.

Project: San Diego Shipyard North

Page 5 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|------|--------|------------|---------------|----------------|-----------------------|
| 099-07-016-1318 | LCS | Solid | GC/MS Y | 09/24/15 | 09/26/15 15:34 | 150924L15 |
| 099-07-016-1318 | LCSD | Solid | GC/MS Y | 09/24/15 | 09/26/15 15:50 | 150924L15 |

| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-------------|-------------|-----------|-----------|------------|------------|----------|-----|--------|------------|
| Tributyltin | 100.0 | 52.54 | 53 | 52.67 | 53 | 33-147 | 0 | 0-20 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Glossary of Terms and Qualifiers

Work Order: 15-09-1970

Page 1 of 1

| <u>Qualifiers</u> | <u>Definition</u> |
|-------------------|---|
| * | See applicable analysis comment. |
| < | Less than the indicated value. |
| > | Greater than the indicated value. |
| 1 | Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification. |
| 2 | Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification. |
| 3 | Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control. |
| 4 | The MS/MSD RPD was out of control due to suspected matrix interference. |
| 5 | The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference. |
| 6 | Surrogate recovery below the acceptance limit. |
| 7 | Surrogate recovery above the acceptance limit. |
| B | Analyte was present in the associated method blank. |
| BU | Sample analyzed after holding time expired. |
| BV | Sample received after holding time expired. |
| CI | See case narrative. |
| E | Concentration exceeds the calibration range. |
| ET | Sample was extracted past end of recommended max. holding time. |
| HD | The chromatographic pattern was inconsistent with the profile of the reference fuel standard. |
| HDH | The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected). |
| HDL | The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected). |
| J | Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated. |
| JA | Analyte positively identified but quantitation is an estimate. |
| ME | LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean). |
| ND | Parameter not detected at the indicated reporting limit. |
| Q | Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater. |
| SG | The sample extract was subjected to Silica Gel treatment prior to analysis. |
| X | % Recovery and/or RPD out-of-range. |
| Z | Analyte presence was not confirmed by second column or GC/MS analysis. |
| | Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis. |
| | Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time. |
| | A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations. |

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: ANCHOR QEA LLC

DATE: 09/24/2015

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC5 (CF:-0.2°C); Temperature (w/o CF): 2.7 °C (w/ CF): 2.5 °C; [x] Blank [] Sample

[] Sample(s) outside temperature criteria (PM/APM contacted by: _____)

[] Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

[] Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: [] Air [] Filter

Checked by: 671

CUSTODY SEAL:

Cooler [] Present and Intact [] Present but Not Intact [x] Not Present [] N/A

Checked by: 671

Sample(s) [] Present and Intact [] Present but Not Intact [x] Not Present [] N/A

Checked by: 1013

SAMPLE CONDITION:

Chain-of-Custody (COC) document(s) received with samples [x] Yes [] No [] N/A

COC document(s) received complete [x] Yes [] No [] N/A

[] Sampling date [] Sampling time [] Matrix [] Number of containers

[] No analysis requested [] Not relinquished [] No relinquished date [] No relinquished time

Sampler's name indicated on COC [x] Yes [] No [] N/A

Sample container label(s) consistent with COC [x] Yes [] No [] N/A

Sample container(s) intact and in good condition [x] Yes [] No [] N/A

Proper containers for analyses requested [x] Yes [] No [] N/A

Sufficient volume/mass for analyses requested [x] Yes [] No [] N/A

Samples received within holding time [x] Yes [] No [] N/A

Aqueous samples for certain analyses received within 15-minute holding time

[] pH [] Residual Chlorine [] Dissolved Sulfide [] Dissolved Oxygen [] Yes [] No [x] N/A

Proper preservation chemical(s) noted on COC and/or sample container [] Yes [] No [x] N/A

Unpreserved aqueous sample(s) received for certain analyses

[] Volatile Organics [] Total Metals [] Dissolved Metals

Container(s) for certain analysis free of headspace [] Yes [] No [x] N/A

[] Volatile Organics [] Dissolved Gases (RSK-175) [] Dissolved Oxygen (SM 4500)

[] Carbon Dioxide (SM 4500) [] Ferrous Iron (SM 3500) [] Hydrogen Sulfide (Hach)

Tedlar™ bag(s) free of condensation [] Yes [] No [x] N/A

CONTAINER TYPE:

(Trip Blank Lot Number: _____)

Aqueous: [] VOA [] VOA_h [] VOA_{na2} [] 100PJ [] 100PJ_{na2} [] 125AGB [] 125AGB_h [] 125AGB_p [] 125PB

[] 125PB_{z_{na}} [] 250AGB [] 250CGB [] 250CGB_s [] 250PB [] 250PB_n [] 500AGB [] 500AGJ [] 500AG_{J_s}

[] 500PB [] 1AGB [] 1AGB_{na2} [] 1AGB_s [] 1PB [] 1PB_{na} [] _____ [] _____ [] _____ [] _____

Solid: [] 4ozCGJ [x] 8ozCGJ [x] 16ozCGJ [] Sleeve (_____) [] EnCores® (_____) [] TerraCores® (_____) [] _____

Air: [] Tedlar™ [] Canister [] Sorbent Tube [] PUF [] _____ Other Matrix (____): [] _____ [] _____

Container: A = Amber, B = Bottle, C = Clear, E = Envelope, G = Glass, J = Jar, P = Plastic, and Z = Ziploc/Resealable Bag

Preservative: b = buffered, f = filtered, h = HCl, n = HNO₃, na = NaOH, na₂ = Na₂S₂O₃, p = H₃PO₄, Labeled/Checked by: 1013

s = H₂SO₄, u = ultra-pure, z_{na} = Zn(CH₃CO₂)₂ + NaOH

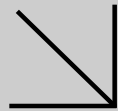
Reviewed by: 778



Environmental
Calscience

Supplemental Report 1

The original report has been revised/corrected.



WORK ORDER NUMBER: 15-10-2286

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: ANCHOR QEA, LLC

Client Project Name: San Diego Shipyards- North

Attention: Adam Gale
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Approved for release on 02/02/2016 by:
Carla Hollowell
Project Manager

ResultLink ▶

Email your PM ▶



Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

Client Project Name: San Diego Shipyards- North
Work Order Number: 15-10-2286

| | | |
|---|--|----|
| 1 | Work Order Narrative. | 3 |
| 2 | Sample Summary. | 4 |
| 3 | Client Sample Data. | 5 |
| | 3.1 SM 2540 B (M) Total Solids (Solid). | 5 |
| | 3.2 EPA 6020 ICP/MS Metals (Solid). | 6 |
| | 3.3 EPA 7471A Mercury (Solid). | 7 |
| | 3.4 EPA 8270C SIM PAHs (Solid). | 8 |
| | 3.5 EPA 8270C SIM PCB Congeners (Solid). | 10 |
| | 3.6 Krone et al. Organotins (Solid). | 16 |
| 4 | Quality Control Sample Data. | 17 |
| | 4.1 MS/MSD. | 17 |
| | 4.2 PDS/PDSD. | 22 |
| | 4.3 Sample Duplicate. | 23 |
| | 4.4 LCS/LCSD. | 24 |
| 5 | Glossary of Terms and Qualifiers. | 29 |
| 6 | Chain-of-Custody/Sample Receipt Form. | 30 |

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 10/30/15. They were assigned to Work Order 15-10-2286.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of ≤ 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

Sample Summary

| | |
|------------------------------|--|
| Client: ANCHOR QEA, LLC | Work Order: 15-10-2286 |
| 27201 Puerta Real, Suite 350 | Project Name: San Diego Shipyards- North |
| Mission Viejo, CA 92691-8306 | PO Number: |
| | Date/Time Received: 10/30/15 18:40 |
| | Number of Containers: 6 |

Attn: Adam Gale

| Sample Identification | Lab Number | Collection Date and Time | Number of Containers | Matrix |
|-------------------------|--------------|--------------------------|----------------------|----------|
| SD-N-C-15-D-0535-151030 | 15-10-2286-2 | 10/30/15 14:15 | 1 | Sediment |
| SD-N-C-23-D-0535-151030 | 15-10-2286-6 | 10/30/15 12:20 | 1 | Sediment |

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 10/30/15
 Work Order: 15-10-2286
 Preparation: N/A
 Method: SM 2540 B (M)
 Units: %

Project: San Diego Shipyards- North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-15-D-0535-151030 | 15-10-2286-2-A | 10/30/15 14:15 | Sediment | N/A | 10/30/15 | 11/02/15 12:00 | F1102TSB1 |

| Parameter | Result | RL | DF | Qualifiers |
|---------------|--------|-------|------|------------|
| Solids, Total | 73.0 | 0.100 | 1.00 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-23-D-0535-151030 | 15-10-2286-6-A | 10/30/15 12:20 | Sediment | N/A | 10/30/15 | 11/02/15 12:00 | F1102TSB1 |

| Parameter | Result | RL | DF | Qualifiers |
|---------------|--------|-------|------|------------|
| Solids, Total | 73.0 | 0.100 | 1.00 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-05-019-3047 | N/A | Solid | N/A | 10/30/15 | 11/02/15 12:00 | F1102TSB1 |

| Parameter | Result | RL | DF | Qualifiers |
|---------------|--------|-------|------|------------|
| Solids, Total | ND | 0.100 | 1.00 | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 10/30/15
 Work Order: 15-10-2286
 Preparation: EPA 3050B
 Method: EPA 6020
 Units: mg/kg

Project: San Diego Shipyards- North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------------|------------------------|-----------------------|-----------------|------------------|-----------------|-----------------------|-------------------|
| SD-N-C-15-D-0535-151030 | 15-10-2286-2-AA | 10/30/15 14:15 | Sediment | ICP/MS 03 | 10/30/15 | 11/02/15 12:51 | 151030L01E |

Comment(s): - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|---------------|-----------|------------|-----------|-------------------|
| Copper | 49.1 | 0.137 | 0.0574 | 1.00 | |

| | | | | | | | |
|--------------------------------|------------------------|-----------------------|-----------------|------------------|-----------------|-----------------------|-------------------|
| SD-N-C-23-D-0535-151030 | 15-10-2286-6-AA | 10/30/15 12:20 | Sediment | ICP/MS 03 | 10/30/15 | 11/02/15 13:09 | 151030L01E |
|--------------------------------|------------------------|-----------------------|-----------------|------------------|-----------------|-----------------------|-------------------|

Comment(s): - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|---------------|-----------|------------|-----------|-------------------|
| Copper | 20.1 | 0.137 | 0.0574 | 1.00 | |

| | | | | | | | |
|---------------------|-----------------------|------------|--------------|------------------|-----------------|-----------------------|-------------------|
| Method Blank | 099-15-254-367 | N/A | Solid | ICP/MS 03 | 10/30/15 | 11/02/15 12:23 | 151030L01E |
|---------------------|-----------------------|------------|--------------|------------------|-----------------|-----------------------|-------------------|

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|---------------|-----------|------------|-----------|-------------------|
| Copper | ND | 0.100 | 0.0419 | 1.00 | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 10/30/15
 Work Order: 15-10-2286
 Preparation: EPA 7471A Total
 Method: EPA 7471A
 Units: mg/kg

Project: San Diego Shipyards- North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-15-D-0535-151030 | 15-10-2286-2-AA | 10/30/15 14:15 | Sediment | Mercury 05 | 11/02/15 | 11/02/15 14:41 | 151102L01E |

Comment(s): - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|--------|---------|------|------------|
| Mercury | 0.236 | 0.0265 | 0.00778 | 1.00 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-23-D-0535-151030 | 15-10-2286-6-AA | 10/30/15 12:20 | Sediment | Mercury 05 | 11/02/15 | 11/02/15 14:50 | 151102L01E |

Comment(s): - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|--------|---------|------|------------|
| Mercury | 0.0146 | 0.0274 | 0.00804 | 1.00 | J |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-16-278-181 | N/A | Solid | Mercury 05 | 11/02/15 | 11/02/15 14:37 | 151102L01E |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|--------|---------|------|------------|
| Mercury | ND | 0.0200 | 0.00587 | 1.00 | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 10/30/15
 Work Order: 15-10-2286
 Preparation: EPA 3541
 Method: EPA 8270C SIM PAHs
 Units: ug/kg

Project: San Diego Shipyards- North

Page 1 of 2

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------------|------------------------|-----------------------|-----------------|------------------|-----------------|-----------------------|------------------|
| SD-N-C-15-D-0535-151030 | 15-10-2286-2-AA | 10/30/15 14:15 | Sediment | GC/MS AAA | 10/30/15 | 10/31/15 15:28 | 151030L14 |

Comment(s): - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-------------------------|--------|----|-----|------|------------|
| Benzo (a) Anthracene | 130 | 14 | 3.0 | 1.00 | |
| Benzo (a) Pyrene | 300 | 14 | 2.5 | 1.00 | |
| Chrysene | 130 | 14 | 3.1 | 1.00 | |
| Dibenz (a,h) Anthracene | 64 | 14 | 2.7 | 1.00 | |
| Fluoranthene | 240 | 14 | 2.5 | 1.00 | |
| Perylene | 60 | 14 | 3.3 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|------------------|----------|----------------|------------|
| 2-Fluorobiphenyl | 79 | 14-146 | |
| Nitrobenzene-d5 | 87 | 18-162 | |
| p-Terphenyl-d14 | 72 | 34-148 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------------|------------------------|-----------------------|-----------------|------------------|-----------------|-----------------------|------------------|
| SD-N-C-23-D-0535-151030 | 15-10-2286-6-AA | 10/30/15 12:20 | Sediment | GC/MS AAA | 10/30/15 | 10/31/15 16:09 | 151030L14 |

Comment(s): - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-------------------------|--------|----|-----|------|------------|
| Benzo (a) Anthracene | 51 | 14 | 3.0 | 1.00 | |
| Benzo (a) Pyrene | 46 | 14 | 2.5 | 1.00 | |
| Chrysene | 42 | 14 | 3.1 | 1.00 | |
| Dibenz (a,h) Anthracene | 6.1 | 14 | 2.7 | 1.00 | J |
| Fluoranthene | 170 | 14 | 2.5 | 1.00 | |
| Perylene | 10 | 14 | 3.3 | 1.00 | J |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|------------------|----------|----------------|------------|
| 2-Fluorobiphenyl | 86 | 14-146 | |
| Nitrobenzene-d5 | 84 | 18-162 | |
| p-Terphenyl-d14 | 99 | 34-148 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 10/30/15
 Work Order: 15-10-2286
 Preparation: EPA 3541
 Method: EPA 8270C SIM PAHs
 Units: ug/kg

Project: San Diego Shipyards- North

Page 2 of 2

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-----------------------|---------------------|--------------|------------------|-----------------|-----------------------|------------------|
| Method Blank | 099-14-097-182 | N/A | Solid | GC/MS AAA | 10/30/15 | 10/31/15 13:47 | 151030L14 |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|-------------------------|---------------|-----------|------------|-----------|-------------------|
| Benzo (a) Anthracene | ND | 10 | 2.2 | 1.00 | |
| Benzo (a) Pyrene | ND | 10 | 1.8 | 1.00 | |
| Chrysene | ND | 10 | 2.2 | 1.00 | |
| Dibenz (a,h) Anthracene | ND | 10 | 2.0 | 1.00 | |
| Fluoranthene | ND | 10 | 1.8 | 1.00 | |
| Perylene | ND | 10 | 2.4 | 1.00 | |

| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> |
|------------------|-----------------|-----------------------|-------------------|
| 2-Fluorobiphenyl | 86 | 14-146 | |
| Nitrobenzene-d5 | 82 | 18-162 | |
| p-Terphenyl-d14 | 92 | 34-148 | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 10/30/15
 Work Order: 15-10-2286
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyards- North

Page 1 of 6

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-15-D-0535-151030 | 15-10-2286-2-AA | 10/30/15 14:15 | Sediment | GC/MS EEE | 10/30/15 | 10/31/15 18:54 | 151030L17 |

Comment(s):
 - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|------------|--------|------|-------|------|------------|
| PCB018 | ND | 0.27 | 0.097 | 1.00 | |
| PCB028 | 7.6 | 0.27 | 0.046 | 1.00 | |
| PCB037 | ND | 0.27 | 0.083 | 1.00 | |
| PCB044 | 5.1 | 0.27 | 0.12 | 1.00 | |
| PCB049 | 110 | 0.27 | 0.15 | 1.00 | |
| PCB052 | 27 | 0.27 | 0.086 | 1.00 | |
| PCB066 | 13 | 0.27 | 0.14 | 1.00 | |
| PCB070 | 9.3 | 0.27 | 0.082 | 1.00 | |
| PCB074 | 2.8 | 0.27 | 0.12 | 1.00 | |
| PCB077 | 16 | 0.27 | 0.11 | 1.00 | |
| PCB081 | ND | 0.27 | 0.16 | 1.00 | |
| PCB087 | 6.3 | 0.27 | 0.15 | 1.00 | |
| PCB099 | 51 | 0.27 | 0.083 | 1.00 | |
| PCB101 | 57 | 0.27 | 0.13 | 1.00 | |
| PCB105 | 6.7 | 0.27 | 0.075 | 1.00 | |
| PCB110 | 16 | 0.27 | 0.063 | 1.00 | |
| PCB114 | ND | 0.27 | 0.11 | 1.00 | |
| PCB118 | 18 | 0.27 | 0.12 | 1.00 | |
| PCB119 | 15 | 0.27 | 0.13 | 1.00 | |
| PCB123 | ND | 0.27 | 0.14 | 1.00 | |
| PCB126 | ND | 0.27 | 0.11 | 1.00 | |
| PCB128 | 3.5 | 0.27 | 0.14 | 1.00 | |
| PCB132/153 | 170 | 0.55 | 0.24 | 1.00 | |
| PCB138/158 | 61 | 0.55 | 0.13 | 1.00 | |
| PCB149 | 90 | 0.27 | 0.13 | 1.00 | |
| PCB151 | 31 | 0.27 | 0.092 | 1.00 | |
| PCB156 | 3.4 | 0.27 | 0.079 | 1.00 | |
| PCB157 | 1.2 | 0.27 | 0.072 | 1.00 | |
| PCB167 | 1.4 | 0.27 | 0.084 | 1.00 | |
| PCB168 | ND | 0.27 | 0.067 | 1.00 | |
| PCB169 | 4.4 | 0.27 | 0.083 | 1.00 | |
| PCB170 | 28 | 0.27 | 0.087 | 1.00 | |
| PCB177 | 12 | 0.27 | 0.12 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 10/30/15
 Work Order: 15-10-2286
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyards- North

Page 2 of 6

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|-----------------|-----------------------|-------------------|-----------|-------------------|
| PCB180 | 70 | 0.27 | 0.058 | 1.00 | |
| PCB183 | 17 | 0.27 | 0.15 | 1.00 | |
| PCB187 | 70 | 0.27 | 0.12 | 1.00 | |
| PCB189 | 2.0 | 0.27 | 0.084 | 1.00 | |
| PCB194 | 20 | 0.27 | 0.15 | 1.00 | |
| PCB201 | 2.6 | 0.27 | 0.13 | 1.00 | |
| PCB206 | 6.4 | 0.27 | 0.26 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | | |
| 2-Fluorobiphenyl | 85 | 50-150 | | | |
| p-Terphenyl-d14 | 107 | 50-150 | | | |

Return to Contents 

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 10/30/15
 Work Order: 15-10-2286
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyards- North

Page 3 of 6

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-23-D-0535-151030 | 15-10-2286-6-AA | 10/30/15 12:20 | Sediment | GC/MS EEE | 10/30/15 | 10/31/15 18:31 | 151030L17 |

Comment(s): - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|------------|--------|------|-------|------|------------|
| PCB018 | ND | 0.27 | 0.097 | 1.00 | |
| PCB028 | 0.34 | 0.27 | 0.046 | 1.00 | |
| PCB037 | ND | 0.27 | 0.083 | 1.00 | |
| PCB044 | 0.29 | 0.27 | 0.12 | 1.00 | |
| PCB049 | 0.37 | 0.27 | 0.15 | 1.00 | |
| PCB052 | 0.60 | 0.27 | 0.086 | 1.00 | |
| PCB066 | 0.33 | 0.27 | 0.14 | 1.00 | |
| PCB070 | 0.38 | 0.27 | 0.082 | 1.00 | |
| PCB074 | 0.13 | 0.27 | 0.12 | 1.00 | J |
| PCB077 | ND | 0.27 | 0.11 | 1.00 | |
| PCB081 | ND | 0.27 | 0.16 | 1.00 | |
| PCB087 | 0.20 | 0.27 | 0.15 | 1.00 | J |
| PCB099 | 0.33 | 0.27 | 0.083 | 1.00 | |
| PCB101 | 0.66 | 0.27 | 0.13 | 1.00 | |
| PCB105 | 0.30 | 0.27 | 0.075 | 1.00 | |
| PCB110 | 0.41 | 0.27 | 0.063 | 1.00 | |
| PCB114 | ND | 0.27 | 0.11 | 1.00 | |
| PCB118 | 0.45 | 0.27 | 0.12 | 1.00 | |
| PCB119 | ND | 0.27 | 0.13 | 1.00 | |
| PCB123 | ND | 0.27 | 0.14 | 1.00 | |
| PCB126 | ND | 0.27 | 0.11 | 1.00 | |
| PCB128 | ND | 0.27 | 0.14 | 1.00 | |
| PCB132/153 | 0.96 | 0.55 | 0.24 | 1.00 | |
| PCB138/158 | 0.74 | 0.55 | 0.13 | 1.00 | |
| PCB149 | 0.52 | 0.27 | 0.13 | 1.00 | |
| PCB151 | 0.20 | 0.27 | 0.092 | 1.00 | J |
| PCB156 | ND | 0.27 | 0.079 | 1.00 | |
| PCB157 | ND | 0.27 | 0.072 | 1.00 | |
| PCB167 | ND | 0.27 | 0.084 | 1.00 | |
| PCB168 | ND | 0.27 | 0.067 | 1.00 | |
| PCB169 | ND | 0.27 | 0.083 | 1.00 | |
| PCB170 | 0.20 | 0.27 | 0.087 | 1.00 | J |
| PCB177 | 0.13 | 0.27 | 0.12 | 1.00 | J |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 10/30/15
 Work Order: 15-10-2286
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyards- North

Page 4 of 6

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|-----------------|-----------------------|-------------------|-----------|-------------------|
| PCB180 | 0.48 | 0.27 | 0.058 | 1.00 | |
| PCB183 | ND | 0.27 | 0.15 | 1.00 | |
| PCB187 | 0.23 | 0.27 | 0.12 | 1.00 | J |
| PCB189 | ND | 0.27 | 0.084 | 1.00 | |
| PCB194 | ND | 0.27 | 0.15 | 1.00 | |
| PCB201 | ND | 0.27 | 0.13 | 1.00 | |
| PCB206 | ND | 0.27 | 0.26 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | | |
| 2-Fluorobiphenyl | 90 | 50-150 | | | |
| p-Terphenyl-d14 | 93 | 50-150 | | | |

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 10/30/15
 Work Order: 15-10-2286
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyards- North

Page 5 of 6

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-16-418-158 | N/A | Solid | GC/MS EEE | 10/30/15 | 10/31/15 18:07 | 151030L17 |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|------------|--------|------|-------|------|------------|
| PCB018 | ND | 0.20 | 0.071 | 1.00 | |
| PCB028 | ND | 0.20 | 0.034 | 1.00 | |
| PCB037 | ND | 0.20 | 0.060 | 1.00 | |
| PCB044 | ND | 0.20 | 0.087 | 1.00 | |
| PCB049 | ND | 0.20 | 0.11 | 1.00 | |
| PCB052 | ND | 0.20 | 0.063 | 1.00 | |
| PCB066 | ND | 0.20 | 0.10 | 1.00 | |
| PCB070 | ND | 0.20 | 0.060 | 1.00 | |
| PCB074 | ND | 0.20 | 0.087 | 1.00 | |
| PCB077 | ND | 0.20 | 0.078 | 1.00 | |
| PCB081 | ND | 0.20 | 0.12 | 1.00 | |
| PCB087 | ND | 0.20 | 0.11 | 1.00 | |
| PCB099 | ND | 0.20 | 0.061 | 1.00 | |
| PCB101 | ND | 0.20 | 0.098 | 1.00 | |
| PCB105 | ND | 0.20 | 0.055 | 1.00 | |
| PCB110 | ND | 0.20 | 0.046 | 1.00 | |
| PCB114 | ND | 0.20 | 0.082 | 1.00 | |
| PCB118 | ND | 0.20 | 0.084 | 1.00 | |
| PCB119 | ND | 0.20 | 0.094 | 1.00 | |
| PCB123 | ND | 0.20 | 0.10 | 1.00 | |
| PCB126 | ND | 0.20 | 0.080 | 1.00 | |
| PCB128 | ND | 0.20 | 0.10 | 1.00 | |
| PCB132/153 | ND | 0.40 | 0.17 | 1.00 | |
| PCB138/158 | ND | 0.40 | 0.094 | 1.00 | |
| PCB149 | ND | 0.20 | 0.098 | 1.00 | |
| PCB151 | ND | 0.20 | 0.067 | 1.00 | |
| PCB156 | ND | 0.20 | 0.058 | 1.00 | |
| PCB157 | ND | 0.20 | 0.052 | 1.00 | |
| PCB167 | ND | 0.20 | 0.062 | 1.00 | |
| PCB168 | ND | 0.20 | 0.049 | 1.00 | |
| PCB169 | ND | 0.20 | 0.061 | 1.00 | |
| PCB170 | ND | 0.20 | 0.063 | 1.00 | |
| PCB177 | ND | 0.20 | 0.087 | 1.00 | |
| PCB180 | ND | 0.20 | 0.042 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 10/30/15
 Work Order: 15-10-2286
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyards- North

Page 6 of 6

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|-----------------|-----------------------|-------------------|-----------|-------------------|
| PCB183 | ND | 0.20 | 0.11 | 1.00 | |
| PCB187 | ND | 0.20 | 0.084 | 1.00 | |
| PCB189 | ND | 0.20 | 0.061 | 1.00 | |
| PCB194 | ND | 0.20 | 0.11 | 1.00 | |
| PCB201 | ND | 0.20 | 0.097 | 1.00 | |
| PCB206 | ND | 0.20 | 0.19 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | | |
| 2-Fluorobiphenyl | 88 | 50-150 | | | |
| p-Terphenyl-d14 | 91 | 50-150 | | | |

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 10/30/15
 Work Order: 15-10-2286
 Preparation: EPA 3550B (M)
 Method: Organotins by Krone et al.
 Units: ug/kg

Project: San Diego Shipyards- North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-15-D-0535-151030 | 15-10-2286-2-AA | 10/30/15 14:15 | Sediment | GC/MS Y | 10/30/15 | 11/02/15 15:54 | 151030L16 |

Comment(s): - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|--------------|----------|----------------|------------|------|------------|
| Tributyltin | 39 | 4.1 | 2.0 | 1.00 | |
| Surrogate | Rec. (%) | Control Limits | Qualifiers | | |
| Tripentyltin | 132 | 27-135 | | | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-23-D-0535-151030 | 15-10-2286-6-AA | 10/30/15 12:20 | Sediment | GC/MS Y | 10/30/15 | 11/02/15 16:26 | 151030L16 |

Comment(s): - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|--------------|----------|----------------|------------|------|------------|
| Tributyltin | 5.8 | 4.1 | 2.0 | 1.00 | |
| Surrogate | Rec. (%) | Control Limits | Qualifiers | | |
| Tripentyltin | 122 | 27-135 | | | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-07-016-1327 | N/A | Solid | GC/MS Y | 10/30/15 | 11/02/15 15:07 | 151030L16 |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|--------------|----------|----------------|------------|------|------------|
| Tributyltin | ND | 3.0 | 1.5 | 1.00 | |
| Surrogate | Rec. (%) | Control Limits | Qualifiers | | |
| Tripentyltin | 111 | 27-135 | | | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 10/30/15
 Work Order: 15-10-2286
 Preparation: EPA 3050B
 Method: EPA 6020

Project: San Diego Shipyards- North

Page 1 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-15-D-0535-151030 | Sample | Sediment | ICP/MS 03 | 10/30/15 | 11/02/15 12:51 | 151030S01 |
| SD-N-C-15-D-0535-151030 | Matrix Spike | Sediment | ICP/MS 03 | 10/30/15 | 11/02/15 12:34 | 151030S01 |
| SD-N-C-15-D-0535-151030 | Matrix Spike Duplicate | Sediment | ICP/MS 03 | 10/30/15 | 11/02/15 12:37 | 151030S01 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Copper | 35.88 | 25.00 | 67.22 | 125 | 65.85 | 120 | 80-120 | 2 | 0-20 | 3 |

Return to Contents 

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 10/30/15
 Work Order: 15-10-2286
 Preparation: EPA 7471A Total
 Method: EPA 7471A

Project: San Diego Shipyards- North

Page 2 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-15-D-0535-151030 | Sample | Sediment | Mercury 05 | 11/02/15 | 11/02/15 14:41 | 151102S01 |
| SD-N-C-15-D-0535-151030 | Matrix Spike | Sediment | Mercury 05 | 11/02/15 | 11/02/15 14:44 | 151102S01 |
| SD-N-C-15-D-0535-151030 | Matrix Spike Duplicate | Sediment | Mercury 05 | 11/02/15 | 11/02/15 14:46 | 151102S01 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Mercury | 0.1722 | 0.8350 | 0.9419 | 92 | 0.9512 | 93 | 76-136 | 1 | 0-16 | |

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 10/30/15
 Work Order: 15-10-2286
 Preparation: EPA 3541
 Method: EPA 8270C SIM PAHs

Project: San Diego Shipyards- North

Page 3 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|---------|------------|---------------|----------------|---------------------|
| 15-10-1950-1 | Sample | Aqueous | GC/MS AAA | 10/30/15 | 10/31/15 16:29 | 151030S14 |
| 15-10-1950-1 | Matrix Spike | Aqueous | GC/MS AAA | 10/30/15 | 10/31/15 17:09 | 151030S14 |
| 15-10-1950-1 | Matrix Spike Duplicate | Aqueous | GC/MS AAA | 10/30/15 | 10/31/15 17:29 | 151030S14 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-------------------------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Benzo (a) Anthracene | ND | 100.0 | 145.3 | 145 | 110.0 | 110 | 40-160 | 28 | 0-20 | 4 |
| Benzo (a) Pyrene | ND | 100.0 | 131.6 | 132 | 110.7 | 111 | 40-160 | 17 | 0-20 | |
| Chrysene | ND | 100.0 | 123.0 | 123 | 99.95 | 100 | 40-160 | 21 | 0-20 | 4 |
| Dibenz (a,h) Anthracene | ND | 100.0 | 122.6 | 123 | 98.06 | 98 | 40-160 | 22 | 0-20 | 4 |
| Fluoranthene | 41.68 | 100.0 | 116.3 | 75 | 135.4 | 94 | 40-160 | 15 | 0-20 | |

Return to Contents 

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 10/30/15
 Work Order: 15-10-2286
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners

Project: San Diego Shipyards- North

Page 4 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-23-D-0535-151030 | Sample | Sediment | GC/MS EEE | 10/30/15 | 10/31/15 18:31 | 151030S17 |
| SD-N-C-23-D-0535-151030 | Matrix Spike | Sediment | GC/MS EEE | 10/30/15 | 10/31/15 19:41 | 151030S17 |
| SD-N-C-23-D-0535-151030 | Matrix Spike Duplicate | Sediment | GC/MS EEE | 10/30/15 | 10/31/15 20:05 | 151030S17 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| PCB018 | ND | 50.00 | 39.82 | 80 | 42.70 | 85 | 50-150 | 7 | 0-25 | |
| PCB028 | 0.2464 | 50.00 | 42.97 | 85 | 45.57 | 91 | 50-150 | 6 | 0-25 | |
| PCB044 | 0.2101 | 50.00 | 40.91 | 81 | 42.48 | 85 | 50-150 | 4 | 0-25 | |
| PCB052 | 0.4344 | 50.00 | 41.10 | 81 | 42.71 | 85 | 50-150 | 4 | 0-25 | |
| PCB066 | 0.2387 | 50.00 | 47.47 | 94 | 48.39 | 96 | 50-150 | 2 | 0-25 | |
| PCB077 | ND | 50.00 | 46.75 | 94 | 46.94 | 94 | 50-150 | 0 | 0-25 | |
| PCB101 | 0.4832 | 50.00 | 41.72 | 82 | 42.14 | 83 | 50-150 | 1 | 0-25 | |
| PCB105 | 0.2206 | 50.00 | 46.74 | 93 | 46.82 | 93 | 50-150 | 0 | 0-25 | |
| PCB118 | 0.3266 | 50.00 | 47.48 | 94 | 47.87 | 95 | 50-150 | 1 | 0-25 | |
| PCB126 | ND | 50.00 | 46.91 | 94 | 46.39 | 93 | 50-150 | 1 | 0-25 | |
| PCB128 | ND | 50.00 | 44.22 | 88 | 44.14 | 88 | 50-150 | 0 | 0-25 | |
| PCB170 | ND | 50.00 | 41.35 | 83 | 42.77 | 86 | 50-150 | 3 | 0-25 | |
| PCB180 | 0.3484 | 50.00 | 48.76 | 97 | 49.22 | 98 | 50-150 | 1 | 0-25 | |
| PCB187 | ND | 50.00 | 43.43 | 87 | 43.12 | 86 | 50-150 | 1 | 0-25 | |
| PCB206 | ND | 50.00 | 44.91 | 90 | 44.47 | 89 | 50-150 | 1 | 0-25 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 10/30/15
 Work Order: 15-10-2286
 Preparation: EPA 3550B (M)
 Method: Organotins by Krone et al.

Project: San Diego Shipyards- North

Page 5 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-23-D-0535-151030 | Sample | Sediment | GC/MS Y | 10/30/15 | 11/02/15 16:26 | 151030S16 |
| SD-N-C-23-D-0535-151030 | Matrix Spike | Sediment | GC/MS Y | 10/30/15 | 11/02/15 17:45 | 151030S16 |
| SD-N-C-23-D-0535-151030 | Matrix Spike Duplicate | Sediment | GC/MS Y | 10/30/15 | 11/02/15 18:01 | 151030S16 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-------------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Tributyltin | 4.227 | 100.0 | 91.72 | 87 | 77.48 | 73 | 34-142 | 17 | 0-50 | |

Return to Contents 

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - PDS

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 10/30/15
 Work Order: 15-10-2286
 Preparation: EPA 3050B
 Method: EPA 6020

Project: San Diego Shipyards- North

Page 1 of 1

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | PDS/PDSD Batch Number |
|---------------------------|--------|----------|------------|----------------|----------------|-----------------------|
| SD-N-C-15-D-0535-151030 | Sample | Sediment | ICP/MS 03 | 10/30/15 00:00 | 11/02/15 12:51 | 151030S01 |
| SD-N-C-15-D-0535-151030 | PDS | Sediment | ICP/MS 03 | 10/30/15 00:00 | 11/02/15 12:41 | 151030S01 |

| <u>Parameter</u> | <u>Sample Conc.</u> | <u>Spike Added</u> | <u>PDS Conc.</u> | <u>PDS %Rec.</u> | <u>%Rec. CL</u> | <u>Qualifiers</u> |
|------------------|---------------------|--------------------|------------------|------------------|-----------------|-------------------|
| Copper | 35.88 | 25.00 | 59.73 | 95 | 75-125 | |

Quality Control - Sample Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 10/30/15
 Work Order: 15-10-2286
 Preparation: N/A
 Method: SM 2540 B (M)

Project: San Diego Shipyards- North

Page 1 of 1

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | Duplicate Batch Number |
|--------------------------------|-------------------------|-----------------|------------|-----------------------|-----------------------|------------------------|
| SD-N-C-15-D-0535-151030 | Sample | Sediment | N/A | 10/30/15 00:00 | 11/02/15 12:00 | F1102TSD1 |
| SD-N-C-15-D-0535-151030 | Sample Duplicate | Sediment | N/A | 10/30/15 00:00 | 11/02/15 12:00 | F1102TSD1 |

| <u>Parameter</u> | <u>Sample Conc.</u> | <u>DUP Conc.</u> | <u>RPD</u> | <u>RPD CL</u> | <u>Qualifiers</u> |
|------------------|---------------------|------------------|------------|---------------|-------------------|
| Solids, Total | 73.00 | 73.10 | 0 | 0-10 | |

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 10/30/15
 Work Order: 15-10-2286
 Preparation: EPA 3050B
 Method: EPA 6020

Project: San Diego Shipyards- North

Page 1 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|------|--------|------------|---------------|----------------|-----------------------|
| 099-15-254-367 | LCS | Solid | ICP/MS 03 | 10/30/15 | 11/02/15 12:27 | 151030L01E |
| 099-15-254-367 | LCSD | Solid | ICP/MS 03 | 10/30/15 | 11/02/15 12:30 | 151030L01E |

| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|-------------|-----------|-----------|------------|------------|----------|-----|--------|------------|
| Copper | 25.00 | 25.75 | 103 | 25.89 | 104 | 80-120 | 1 | 0-20 | |

Return to Contents 

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 10/30/15
 Work Order: 15-10-2286
 Preparation: EPA 7471A Total
 Method: EPA 7471A

Project: San Diego Shipyards- North

Page 2 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|------|--------|------------|---------------|----------------|-----------------------|
| 099-16-278-181 | LCS | Solid | Mercury 05 | 11/02/15 | 11/02/15 14:39 | 151102L01E |
| 099-16-278-181 | LCSD | Solid | Mercury 05 | 11/02/15 | 11/02/15 15:10 | 151102L01E |

| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|-------------|-----------|-----------|------------|------------|----------|-----|--------|------------|
| Mercury | 0.8350 | 0.8301 | 99 | 0.8661 | 104 | 82-124 | 4 | 0-16 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 10/30/15
 Work Order: 15-10-2286
 Preparation: EPA 3541
 Method: EPA 8270C SIM PAHs

Project: San Diego Shipyards- North

Page 3 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|-------------|--------------|------------------|-----------------|-----------------------|-----------------------|
| 099-14-097-182 | LCS | Solid | GC/MS AAA | 10/30/15 | 10/31/15 12:47 | 151030L14 |
| 099-14-097-182 | LCSD | Solid | GC/MS AAA | 10/30/15 | 10/31/15 13:07 | 151030L14 |

| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-------------------------|-------------|-----------|-----------|------------|------------|----------|-----|--------|------------|
| Benzo (a) Anthracene | 100.0 | 93.67 | 94 | 88.39 | 88 | 40-160 | 6 | 0-20 | |
| Benzo (a) Pyrene | 100.0 | 99.85 | 100 | 91.44 | 91 | 40-160 | 9 | 0-20 | |
| Chrysene | 100.0 | 89.55 | 90 | 83.21 | 83 | 40-160 | 7 | 0-20 | |
| Dibenz (a,h) Anthracene | 100.0 | 111.2 | 111 | 102.3 | 102 | 40-160 | 8 | 0-20 | |
| Fluoranthene | 100.0 | 94.79 | 95 | 91.27 | 91 | 40-160 | 4 | 0-20 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 10/30/15
 Work Order: 15-10-2286
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners

Project: San Diego Shipyards- North

Page 4 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|------|--------|------------|---------------|----------------|-----------------------|
| 099-16-418-158 | LCS | Solid | GC/MS EEE | 10/30/15 | 10/31/15 17:20 | 151030L17 |
| 099-16-418-158 | LCSD | Solid | GC/MS EEE | 10/30/15 | 10/31/15 17:44 | 151030L17 |

| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | ME CL | RPD | RPD CL | Qualifiers |
|-----------|-------------|-----------|-----------|------------|------------|----------|--------|-----|--------|------------|
| PCB018 | 50.00 | 42.52 | 85 | 43.91 | 88 | 50-150 | 33-167 | 3 | 0-25 | |
| PCB028 | 50.00 | 44.92 | 90 | 46.16 | 92 | 50-150 | 33-167 | 3 | 0-25 | |
| PCB044 | 50.00 | 41.52 | 83 | 42.49 | 85 | 50-150 | 33-167 | 2 | 0-25 | |
| PCB052 | 50.00 | 41.66 | 83 | 42.96 | 86 | 50-150 | 33-167 | 3 | 0-25 | |
| PCB066 | 50.00 | 46.65 | 93 | 49.29 | 99 | 50-150 | 33-167 | 6 | 0-25 | |
| PCB077 | 50.00 | 45.97 | 92 | 47.53 | 95 | 50-150 | 33-167 | 3 | 0-25 | |
| PCB101 | 50.00 | 41.66 | 83 | 42.88 | 86 | 50-150 | 33-167 | 3 | 0-25 | |
| PCB105 | 50.00 | 45.31 | 91 | 47.30 | 95 | 50-150 | 33-167 | 4 | 0-25 | |
| PCB118 | 50.00 | 45.55 | 91 | 47.28 | 95 | 50-150 | 33-167 | 4 | 0-25 | |
| PCB126 | 50.00 | 43.71 | 87 | 45.50 | 91 | 50-150 | 33-167 | 4 | 0-25 | |
| PCB128 | 50.00 | 42.02 | 84 | 43.11 | 86 | 50-150 | 33-167 | 3 | 0-25 | |
| PCB170 | 50.00 | 44.26 | 89 | 45.22 | 90 | 50-150 | 33-167 | 2 | 0-25 | |
| PCB180 | 50.00 | 45.74 | 91 | 47.62 | 95 | 50-150 | 33-167 | 4 | 0-25 | |
| PCB187 | 50.00 | 41.11 | 82 | 42.20 | 84 | 50-150 | 33-167 | 3 | 0-25 | |
| PCB206 | 50.00 | 46.35 | 93 | 45.12 | 90 | 50-150 | 33-167 | 3 | 0-25 | |

Total number of LCS compounds: 15
 Total number of ME compounds: 0
 Total number of ME compounds allowed: 1
 LCS ME CL validation result: Pass

Return to Contents

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 10/30/15
 Work Order: 15-10-2286
 Preparation: EPA 3550B (M)
 Method: Organotins by Krone et al.

Project: San Diego Shipyards- North

Page 5 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|------|--------|------------|---------------|----------------|-----------------------|
| 099-07-016-1327 | LCS | Solid | GC/MS Y | 10/30/15 | 11/02/15 15:23 | 151030L16 |
| 099-07-016-1327 | LCSD | Solid | GC/MS Y | 10/30/15 | 11/02/15 15:38 | 151030L16 |

| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-------------|-------------|-----------|-----------|------------|------------|----------|-----|--------|------------|
| Tributyltin | 100.0 | 72.41 | 72 | 87.88 | 88 | 33-147 | 19 | 0-20 | |

Return to Contents 

RPD: Relative Percent Difference. CL: Control Limits

| <u>Qualifiers</u> | <u>Definition</u> |
|-------------------|---|
| * | See applicable analysis comment. |
| < | Less than the indicated value. |
| > | Greater than the indicated value. |
| 1 | Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification. |
| 2 | Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification. |
| 3 | Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control. |
| 4 | The MS/MSD RPD was out of control due to suspected matrix interference. |
| 5 | The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference. |
| 6 | Surrogate recovery below the acceptance limit. |
| 7 | Surrogate recovery above the acceptance limit. |
| B | Analyte was present in the associated method blank. |
| BU | Sample analyzed after holding time expired. |
| BV | Sample received after holding time expired. |
| CI | See case narrative. |
| E | Concentration exceeds the calibration range. |
| ET | Sample was extracted past end of recommended max. holding time. |
| HD | The chromatographic pattern was inconsistent with the profile of the reference fuel standard. |
| HDH | The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected). |
| HDL | The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected). |
| J | Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated. |
| JA | Analyte positively identified but quantitation is an estimate. |
| ME | LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean). |
| ND | Parameter not detected at the indicated reporting limit. |
| Q | Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater. |
| SG | The sample extract was subjected to Silica Gel treatment prior to analysis. |
| X | % Recovery and/or RPD out-of-range. |
| Z | Analyte presence was not confirmed by second column or GC/MS analysis. |
| | Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis. |
| | Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time. |
| | A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations. |

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: Anchor QEA

DATE: 10/30/2015

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC2 (CF:-0.4°C); Temperature (w/o CF): 3.6 °C (w/ CF): 3.2 °C; Blank Sample

Sample(s) outside temperature criteria (PM/APM contacted by: _____)

Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: Air Filter

Checked by: 820

CUSTODY SEAL:

Cooler Present and Intact Present but Not Intact Not Present N/A

Checked by: 820

Sample(s) Present and Intact Present but Not Intact Not Present N/A

Checked by: 802

SAMPLE CONDITION:

| | Yes | No | N/A |
|--|-------------------------------------|-------------------------------------|-------------------------------------|
| Chain-of-Custody (COC) document(s) received with samples | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| COC document(s) received complete | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> Sampling date <input type="checkbox"/> Sampling time <input type="checkbox"/> Matrix <input type="checkbox"/> Number of containers | | | |
| <input type="checkbox"/> No analysis requested <input type="checkbox"/> Not relinquished <input type="checkbox"/> No relinquished date <input type="checkbox"/> No relinquished time | | | |
| Sampler's name indicated on COC | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Sample container label(s) consistent with COC | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Sample container(s) intact and in good condition | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Proper containers for analyses requested | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Sufficient volume/mass for analyses requested | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Samples received within holding time | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Aqueous samples for certain analyses received within 15-minute holding time | | | |
| <input type="checkbox"/> pH <input type="checkbox"/> Residual Chlorine <input type="checkbox"/> Dissolved Sulfide <input type="checkbox"/> Dissolved Oxygen | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Proper preservation chemical(s) noted on COC and/or sample container | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Unpreserved aqueous sample(s) received for certain analyses | | | |
| <input type="checkbox"/> Volatile Organics <input type="checkbox"/> Total Metals <input type="checkbox"/> Dissolved Metals | | | |
| Container(s) for certain analysis free of headspace | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input type="checkbox"/> Volatile Organics <input type="checkbox"/> Dissolved Gases (RSK-175) <input type="checkbox"/> Dissolved Oxygen (SM 4500) | | | |
| <input type="checkbox"/> Carbon Dioxide (SM 4500) <input type="checkbox"/> Ferrous Iron (SM 3500) <input type="checkbox"/> Hydrogen Sulfide (Hach) | | | |
| Tedlar™ bag(s) free of condensation | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

CONTAINER TYPE:

(Trip Blank Lot Number: _____)

Aqueous: VOA VOAh VOAna₂ 100PJ 100PJna₂ 125AGB 125AGBh 125AGBp 125PB

125PBz_{anna} 250AGB 250CGB 250CGBs 250PB 250PBn 500AGB 500AGJ 500AGJs

500PB 1AGB 1AGBna₂ 1AGBs 1PB 1PBna _____ _____ _____

Solid: 4ozCGJ 8ozCGJ 16ozCGJ Sleeve (_____) EnCores® (_____) TerraCores® (_____) _____

Air: Tedlar™ Canister Sorbent Tube PUF _____ **Other Matrix** (_____) _____ _____

Container: **A** = Amber, **B** = Bottle, **C** = Clear, **E** = Envelope, **G** = Glass, **J** = Jar, **P** = Plastic, and **Z** = Ziploc/Resealable Bag

Preservative: **b** = buffered, **f** = filtered, **h** = HCl, **n** = HNO₃, **na** = NaOH, **na₂** = Na₂S₂O₃, **p** = H₃PO₄, Labeled/Checked by: 802

s = H₂SO₄, **u** = ultra-pure, **z_{anna}** = Zn(CH₃CO₂)₂ + NaOH

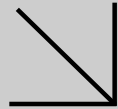
Reviewed by: 905



Environmental
Calscience

Supplemental Report 1

The original report has been revised/corrected.



WORK ORDER NUMBER: 15-11-0840

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: ANCHOR QEA, LLC

Client Project Name: San Diego Shipyards- North

Attention: Adam Gale
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Approved for release on 02/02/2016 by:
Carla Hollowell
Project Manager

ResultLink ▶

Email your PM ▶



Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

Client Project Name: San Diego Shipyards- North
Work Order Number: 15-11-0840

| | | |
|---|--|----|
| 1 | Work Order Narrative. | 3 |
| 2 | Sample Summary. | 4 |
| 3 | Client Sample Data. | 5 |
| | 3.1 SM 2540 B (M) Total Solids (Solid). | 5 |
| | 3.2 EPA 6020 ICP/MS Metals (Solid). | 6 |
| | 3.3 EPA 7471A Mercury (Solid). | 7 |
| | 3.4 EPA 8270C SIM PAHs (Solid). | 8 |
| | 3.5 EPA 8270C SIM PCB Congeners (Solid). | 10 |
| | 3.6 Krone et al. Organotins (Solid). | 18 |
| 4 | Quality Control Sample Data. | 19 |
| | 4.1 MS/MSD. | 19 |
| | 4.2 PDS/PDSD. | 24 |
| | 4.3 Sample Duplicate. | 25 |
| | 4.4 LCS/LCSD. | 26 |
| 5 | Glossary of Terms and Qualifiers. | 31 |
| 6 | Chain-of-Custody/Sample Receipt Form. | 32 |

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 11/11/15. They were assigned to Work Order 15-11-0840.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of ≤ 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

Sample Summary

| | |
|------------------------------|--|
| Client: ANCHOR QEA, LLC | Work Order: 15-11-0840 |
| 27201 Puerta Real, Suite 350 | Project Name: San Diego Shipyards- North |
| Mission Viejo, CA 92691-8306 | PO Number: |
| | Date/Time Received: 11/11/15 19:19 |
| | Number of Containers: 10 |

Attn: Adam Gale

| Sample Identification | Lab Number | Collection Date and Time | Number of Containers | Matrix |
|--------------------------|--------------|--------------------------|----------------------|----------|
| SD-N-C-18B-D-0535-151111 | 15-11-0840-4 | 11/11/15 09:43 | 1 | Sediment |
| SD-N-C-17-D-0535-151111 | 15-11-0840-6 | 11/11/15 10:38 | 1 | Sediment |
| SD-N-C-18A-D-0535-151111 | 15-11-0840-8 | 11/11/15 11:20 | 1 | Sediment |

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/11/15
 Work Order: 15-11-0840
 Preparation: N/A
 Method: SM 2540 B (M)
 Units: %

Project: San Diego Shipyards- North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-18B-D-0535-151111 | 15-11-0840-4-AA | 11/11/15 09:43 | Sediment | N/A | 11/11/15 | 11/12/15 12:00 | F1112TSB1 |

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|---------------|--------|-------|-------|------|------------|
| Solids, Total | 84.6 | 0.100 | 0.100 | 1.00 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-17-D-0535-151111 | 15-11-0840-6-AA | 11/11/15 10:38 | Sediment | N/A | 11/11/15 | 11/12/15 12:00 | F1112TSB1 |

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|---------------|--------|-------|-------|------|------------|
| Solids, Total | 71.1 | 0.100 | 0.100 | 1.00 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-18A-D-0535-151111 | 15-11-0840-8-AA | 11/11/15 11:20 | Sediment | N/A | 11/11/15 | 11/12/15 12:00 | F1112TSB1 |

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|---------------|--------|-------|-------|------|------------|
| Solids, Total | 80.7 | 0.100 | 0.100 | 1.00 | |

| Method Blank | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-05-019-3090 | N/A | Solid | N/A | 11/11/15 | 11/12/15 12:00 | F1112TSB1 |

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|---------------|--------|-------|-------|------|------------|
| Solids, Total | ND | 0.100 | 0.100 | 1.00 | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/11/15
 Work Order: 15-11-0840
 Preparation: EPA 3050B
 Method: EPA 6020
 Units: mg/kg

Project: San Diego Shipyards- North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-18B-D-0535-151111 | 15-11-0840-4-AA | 11/11/15 09:43 | Sediment | ICP/MS 03 | 11/11/15 | 11/12/15 15:42 | 151111L01E |

Comment(s): - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|-------|--------|------|------------|
| Copper | 14.6 | 0.118 | 0.0495 | 1.00 | B |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-17-D-0535-151111 | 15-11-0840-6-AA | 11/11/15 10:38 | Sediment | ICP/MS 03 | 11/11/15 | 11/12/15 15:55 | 151111L01E |

Comment(s): - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|-------|--------|------|------------|
| Copper | 21.2 | 0.141 | 0.0590 | 1.00 | B |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-18A-D-0535-151111 | 15-11-0840-8-AA | 11/11/15 11:20 | Sediment | ICP/MS 03 | 11/11/15 | 11/12/15 15:58 | 151111L01E |

Comment(s): - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|-------|--------|------|------------|
| Copper | 13.0 | 0.124 | 0.0519 | 1.00 | B |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-15-254-370 | N/A | Solid | ICP/MS 03 | 11/11/15 | 11/12/15 15:14 | 151111L01E |

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|-------|--------|------|------------|
| Copper | 0.0456 | 0.100 | 0.0419 | 1.00 | J |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/11/15
 Work Order: 15-11-0840
 Preparation: EPA 7471A Total
 Method: EPA 7471A
 Units: mg/kg

Project: San Diego Shipyards- North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-18B-D-0535-151111 | 15-11-0840-4-AA | 11/11/15 09:43 | Sediment | Mercury 05 | 11/12/15 | 11/12/15 14:47 | 151112L01E |

Comment(s): - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|--------|---------|------|------------|
| Mercury | 0.0109 | 0.0225 | 0.00661 | 1.00 | J |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-17-D-0535-151111 | 15-11-0840-6-AA | 11/11/15 10:38 | Sediment | Mercury 05 | 11/12/15 | 11/12/15 14:49 | 151112L01E |

Comment(s): - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|--------|---------|------|------------|
| Mercury | 0.0331 | 0.0268 | 0.00786 | 1.00 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-18A-D-0535-151111 | 15-11-0840-8-AA | 11/11/15 11:20 | Sediment | Mercury 05 | 11/12/15 | 11/12/15 14:51 | 151112L01E |

Comment(s): - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|--------|---------|------|------------|
| Mercury | ND | 0.0236 | 0.00693 | 1.00 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-16-278-183 | N/A | Solid | Mercury 05 | 11/12/15 | 11/12/15 14:34 | 151112L01E |

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|--------|---------|------|------------|
| Mercury | ND | 0.0200 | 0.00587 | 1.00 | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/11/15
 Work Order: 15-11-0840
 Preparation: EPA 3541
 Method: EPA 8270C SIM PAHs
 Units: ug/kg

Project: San Diego Shipyards- North

Page 1 of 2

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-18B-D-0535-151111 | 15-11-0840-4-AA | 11/11/15 09:43 | Sediment | GC/MS MM | 11/11/15 | 11/12/15 12:46 | 151111L17 |

Comment(s): - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-------------------------|--------|----|-----|------|------------|
| Benzo (a) Anthracene | 10 | 12 | 2.5 | 1.00 | J |
| Benzo (a) Pyrene | 14 | 12 | 2.2 | 1.00 | |
| Chrysene | 10 | 12 | 2.6 | 1.00 | J |
| Dibenz (a,h) Anthracene | 3.1 | 12 | 2.3 | 1.00 | J |
| Fluoranthene | 20 | 12 | 2.2 | 1.00 | |
| Perylene | ND | 12 | 2.8 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|------------------|----------|----------------|------------|
| 2-Fluorobiphenyl | 75 | 14-146 | |
| Nitrobenzene-d5 | 77 | 18-162 | |
| p-Terphenyl-d14 | 79 | 34-148 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-17-D-0535-151111 | 15-11-0840-6-AA | 11/11/15 10:38 | Sediment | GC/MS MM | 11/11/15 | 11/12/15 13:09 | 151111L17 |

Comment(s): - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-------------------------|--------|----|-----|------|------------|
| Benzo (a) Anthracene | 11 | 14 | 3.0 | 1.00 | J |
| Benzo (a) Pyrene | 33 | 14 | 2.6 | 1.00 | |
| Chrysene | 14 | 14 | 3.1 | 1.00 | |
| Dibenz (a,h) Anthracene | 5.5 | 14 | 2.7 | 1.00 | J |
| Fluoranthene | 15 | 14 | 2.6 | 1.00 | |
| Perylene | 5.0 | 14 | 3.3 | 1.00 | J |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|------------------|----------|----------------|------------|
| 2-Fluorobiphenyl | 91 | 14-146 | |
| Nitrobenzene-d5 | 88 | 18-162 | |
| p-Terphenyl-d14 | 92 | 34-148 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/11/15
 Work Order: 15-11-0840
 Preparation: EPA 3541
 Method: EPA 8270C SIM PAHs
 Units: ug/kg

Project: San Diego Shipyards- North

Page 2 of 2

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-18A-D-0535-151111 | 15-11-0840-8-AA | 11/11/15 11:20 | Sediment | GC/MS MM | 11/11/15 | 11/12/15 13:31 | 151111L17 |

Comment(s): - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-------------------------|--------|----|-----|------|------------|
| Benzo (a) Anthracene | ND | 12 | 2.7 | 1.00 | |
| Benzo (a) Pyrene | ND | 12 | 2.3 | 1.00 | |
| Chrysene | ND | 12 | 2.8 | 1.00 | |
| Dibenz (a,h) Anthracene | ND | 12 | 2.4 | 1.00 | |
| Fluoranthene | 2.7 | 12 | 2.3 | 1.00 | J |
| Perylene | ND | 12 | 2.9 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|------------------|----------|----------------|------------|
| 2-Fluorobiphenyl | 79 | 14-146 | |
| Nitrobenzene-d5 | 79 | 18-162 | |
| p-Terphenyl-d14 | 78 | 34-148 | |

| Method Blank | 099-14-097-186 | N/A | Solid | GC/MS MM | 11/11/15 | 11/12/15 15:01 | 151111L17 |
|--------------|----------------|-----|-------|----------|----------|----------------|-----------|
|--------------|----------------|-----|-------|----------|----------|----------------|-----------|

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-------------------------|--------|----|-----|------|------------|
| Benzo (a) Anthracene | ND | 10 | 2.2 | 1.00 | |
| Benzo (a) Pyrene | ND | 10 | 1.8 | 1.00 | |
| Chrysene | ND | 10 | 2.2 | 1.00 | |
| Dibenz (a,h) Anthracene | ND | 10 | 2.0 | 1.00 | |
| Fluoranthene | ND | 10 | 1.8 | 1.00 | |
| Perylene | ND | 10 | 2.4 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|------------------|----------|----------------|------------|
| 2-Fluorobiphenyl | 34 | 14-146 | |
| Nitrobenzene-d5 | 34 | 18-162 | |
| p-Terphenyl-d14 | 62 | 34-148 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/11/15
 Work Order: 15-11-0840
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyards- North

Page 1 of 8

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-18B-D-0535-151111 | 15-11-0840-4-AA | 11/11/15 09:43 | Sediment | GC/MS HHH | 11/11/15 | 11/12/15 18:36 | 151111L18 |

Comment(s):
 - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|------------|--------|------|-------|------|------------|
| PCB018 | ND | 0.24 | 0.084 | 1.00 | |
| PCB028 | ND | 0.24 | 0.039 | 1.00 | |
| PCB037 | ND | 0.24 | 0.071 | 1.00 | |
| PCB044 | ND | 0.24 | 0.10 | 1.00 | |
| PCB049 | 0.87 | 0.24 | 0.13 | 1.00 | |
| PCB052 | 0.51 | 0.24 | 0.074 | 1.00 | |
| PCB066 | ND | 0.24 | 0.12 | 1.00 | |
| PCB070 | ND | 0.24 | 0.070 | 1.00 | |
| PCB074 | ND | 0.24 | 0.10 | 1.00 | |
| PCB077 | ND | 0.24 | 0.091 | 1.00 | |
| PCB081 | ND | 0.24 | 0.14 | 1.00 | |
| PCB087 | 0.48 | 0.24 | 0.13 | 1.00 | |
| PCB099 | 0.97 | 0.24 | 0.071 | 1.00 | |
| PCB101 | 1.7 | 0.24 | 0.11 | 1.00 | |
| PCB105 | ND | 0.24 | 0.064 | 1.00 | |
| PCB110 | 0.84 | 0.24 | 0.054 | 1.00 | |
| PCB114 | ND | 0.24 | 0.096 | 1.00 | |
| PCB118 | 0.93 | 0.24 | 0.099 | 1.00 | |
| PCB119 | 0.32 | 0.24 | 0.11 | 1.00 | |
| PCB123 | ND | 0.24 | 0.12 | 1.00 | |
| PCB126 | ND | 0.24 | 0.094 | 1.00 | |
| PCB128 | ND | 0.24 | 0.12 | 1.00 | |
| PCB132/153 | 5.8 | 0.47 | 0.20 | 1.00 | |
| PCB138/158 | 3.3 | 0.47 | 0.11 | 1.00 | |
| PCB149 | 2.9 | 0.24 | 0.11 | 1.00 | |
| PCB151 | 1.1 | 0.24 | 0.079 | 1.00 | |
| PCB156 | ND | 0.24 | 0.068 | 1.00 | |
| PCB157 | ND | 0.24 | 0.061 | 1.00 | |
| PCB167 | ND | 0.24 | 0.072 | 1.00 | |
| PCB168 | ND | 0.24 | 0.057 | 1.00 | |
| PCB169 | ND | 0.24 | 0.072 | 1.00 | |
| PCB170 | 2.3 | 0.24 | 0.075 | 1.00 | |
| PCB177 | 1.2 | 0.24 | 0.10 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/11/15
 Work Order: 15-11-0840
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyards- North

Page 2 of 8

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|-----------------|-----------------------|-------------------|-----------|-------------------|
| PCB180 | 4.8 | 0.24 | 0.049 | 1.00 | |
| PCB183 | 1.1 | 0.24 | 0.13 | 1.00 | |
| PCB187 | 2.7 | 0.24 | 0.099 | 1.00 | |
| PCB189 | ND | 0.24 | 0.072 | 1.00 | |
| PCB194 | 1.3 | 0.24 | 0.13 | 1.00 | |
| PCB201 | ND | 0.24 | 0.11 | 1.00 | |
| PCB206 | ND | 0.24 | 0.23 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | | |
| 2-Fluorobiphenyl | 78 | 50-150 | | | |
| p-Terphenyl-d14 | 104 | 50-150 | | | |

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/11/15
 Work Order: 15-11-0840
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyards- North

Page 3 of 8

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-17-D-0535-151111 | 15-11-0840-6-AA | 11/11/15 10:38 | Sediment | GC/MS HHH | 11/11/15 | 11/13/15 13:36 | 151111L18 |

Comment(s):
 - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|------------|--------|------|-------|------|------------|
| PCB018 | ND | 0.28 | 0.10 | 1.00 | |
| PCB028 | ND | 0.28 | 0.047 | 1.00 | |
| PCB037 | ND | 0.28 | 0.085 | 1.00 | |
| PCB044 | ND | 0.28 | 0.12 | 1.00 | |
| PCB049 | 1.2 | 0.28 | 0.16 | 1.00 | |
| PCB052 | 0.80 | 0.28 | 0.088 | 1.00 | |
| PCB066 | 0.52 | 0.28 | 0.14 | 1.00 | |
| PCB070 | 0.62 | 0.28 | 0.084 | 1.00 | |
| PCB074 | 0.23 | 0.28 | 0.12 | 1.00 | J |
| PCB077 | 0.48 | 0.28 | 0.11 | 1.00 | |
| PCB081 | ND | 0.28 | 0.17 | 1.00 | |
| PCB087 | 0.59 | 0.28 | 0.15 | 1.00 | |
| PCB099 | 1.8 | 0.28 | 0.085 | 1.00 | |
| PCB101 | 2.8 | 0.28 | 0.14 | 1.00 | |
| PCB105 | 0.73 | 0.28 | 0.077 | 1.00 | |
| PCB110 | 1.4 | 0.28 | 0.065 | 1.00 | |
| PCB114 | ND | 0.28 | 0.12 | 1.00 | |
| PCB118 | 1.4 | 0.28 | 0.12 | 1.00 | |
| PCB119 | 0.33 | 0.28 | 0.13 | 1.00 | |
| PCB123 | ND | 0.28 | 0.15 | 1.00 | |
| PCB126 | ND | 0.28 | 0.11 | 1.00 | |
| PCB128 | 0.43 | 0.28 | 0.14 | 1.00 | |
| PCB132/153 | 5.7 | 0.56 | 0.24 | 1.00 | |
| PCB138/158 | 3.0 | 0.56 | 0.13 | 1.00 | |
| PCB149 | 3.2 | 0.28 | 0.14 | 1.00 | |
| PCB151 | 1.2 | 0.28 | 0.095 | 1.00 | |
| PCB156 | 0.41 | 0.28 | 0.081 | 1.00 | |
| PCB157 | ND | 0.28 | 0.073 | 1.00 | |
| PCB167 | ND | 0.28 | 0.087 | 1.00 | |
| PCB168 | ND | 0.28 | 0.068 | 1.00 | |
| PCB169 | ND | 0.28 | 0.086 | 1.00 | |
| PCB170 | 1.5 | 0.28 | 0.089 | 1.00 | |
| PCB177 | 0.59 | 0.28 | 0.12 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/11/15
 Work Order: 15-11-0840
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyards- North

Page 4 of 8

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|-----------------|-----------------------|-------------------|-----------|-------------------|
| PCB180 | 2.5 | 0.28 | 0.059 | 1.00 | |
| PCB183 | 0.80 | 0.28 | 0.16 | 1.00 | |
| PCB187 | 1.7 | 0.28 | 0.12 | 1.00 | |
| PCB189 | ND | 0.28 | 0.086 | 1.00 | |
| PCB194 | 0.79 | 0.28 | 0.16 | 1.00 | |
| PCB201 | ND | 0.28 | 0.14 | 1.00 | |
| PCB206 | 0.31 | 0.28 | 0.27 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | | |
| 2-Fluorobiphenyl | 107 | 50-150 | | | |
| p-Terphenyl-d14 | 111 | 50-150 | | | |

Return to Contents 

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/11/15
 Work Order: 15-11-0840
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyards- North

Page 5 of 8

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-18A-D-0535-151111 | 15-11-0840-8-AA | 11/11/15 11:20 | Sediment | GC/MS HHH | 11/11/15 | 11/12/15 19:23 | 151111L18 |

Comment(s):
 - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|------------|--------|------|-------|------|------------|
| PCB018 | ND | 0.25 | 0.088 | 1.00 | |
| PCB028 | ND | 0.25 | 0.042 | 1.00 | |
| PCB037 | ND | 0.25 | 0.075 | 1.00 | |
| PCB044 | ND | 0.25 | 0.11 | 1.00 | |
| PCB049 | ND | 0.25 | 0.14 | 1.00 | |
| PCB052 | ND | 0.25 | 0.078 | 1.00 | |
| PCB066 | ND | 0.25 | 0.13 | 1.00 | |
| PCB070 | ND | 0.25 | 0.074 | 1.00 | |
| PCB074 | ND | 0.25 | 0.11 | 1.00 | |
| PCB077 | ND | 0.25 | 0.097 | 1.00 | |
| PCB081 | ND | 0.25 | 0.15 | 1.00 | |
| PCB087 | ND | 0.25 | 0.13 | 1.00 | |
| PCB099 | ND | 0.25 | 0.076 | 1.00 | |
| PCB101 | ND | 0.25 | 0.12 | 1.00 | |
| PCB105 | ND | 0.25 | 0.068 | 1.00 | |
| PCB110 | ND | 0.25 | 0.057 | 1.00 | |
| PCB114 | ND | 0.25 | 0.10 | 1.00 | |
| PCB118 | ND | 0.25 | 0.10 | 1.00 | |
| PCB119 | ND | 0.25 | 0.12 | 1.00 | |
| PCB123 | ND | 0.25 | 0.13 | 1.00 | |
| PCB126 | ND | 0.25 | 0.10 | 1.00 | |
| PCB128 | ND | 0.25 | 0.13 | 1.00 | |
| PCB132/153 | ND | 0.50 | 0.22 | 1.00 | |
| PCB138/158 | ND | 0.50 | 0.12 | 1.00 | |
| PCB149 | ND | 0.25 | 0.12 | 1.00 | |
| PCB151 | ND | 0.25 | 0.084 | 1.00 | |
| PCB156 | ND | 0.25 | 0.072 | 1.00 | |
| PCB157 | ND | 0.25 | 0.065 | 1.00 | |
| PCB167 | ND | 0.25 | 0.077 | 1.00 | |
| PCB168 | ND | 0.25 | 0.061 | 1.00 | |
| PCB169 | ND | 0.25 | 0.076 | 1.00 | |
| PCB170 | ND | 0.25 | 0.079 | 1.00 | |
| PCB177 | ND | 0.25 | 0.11 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/11/15
 Work Order: 15-11-0840
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyards- North

Page 6 of 8

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|-----------------|-----------------------|-------------------|-----------|-------------------|
| PCB180 | ND | 0.25 | 0.052 | 1.00 | |
| PCB183 | ND | 0.25 | 0.14 | 1.00 | |
| PCB187 | ND | 0.25 | 0.10 | 1.00 | |
| PCB189 | ND | 0.25 | 0.076 | 1.00 | |
| PCB194 | ND | 0.25 | 0.14 | 1.00 | |
| PCB201 | ND | 0.25 | 0.12 | 1.00 | |
| PCB206 | ND | 0.25 | 0.24 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | | |
| 2-Fluorobiphenyl | 58 | 50-150 | | | |
| p-Terphenyl-d14 | 99 | 50-150 | | | |

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/11/15
 Work Order: 15-11-0840
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyards- North

Page 7 of 8

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-16-418-178 | N/A | Solid | GC/MS HHH | 11/11/15 | 11/12/15 17:01 | 151111L18 |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|------------|--------|------|-------|------|------------|
| PCB018 | ND | 0.20 | 0.071 | 1.00 | |
| PCB028 | ND | 0.20 | 0.034 | 1.00 | |
| PCB037 | ND | 0.20 | 0.060 | 1.00 | |
| PCB044 | ND | 0.20 | 0.087 | 1.00 | |
| PCB049 | ND | 0.20 | 0.11 | 1.00 | |
| PCB052 | ND | 0.20 | 0.063 | 1.00 | |
| PCB066 | ND | 0.20 | 0.10 | 1.00 | |
| PCB070 | ND | 0.20 | 0.060 | 1.00 | |
| PCB074 | ND | 0.20 | 0.087 | 1.00 | |
| PCB077 | ND | 0.20 | 0.078 | 1.00 | |
| PCB081 | ND | 0.20 | 0.12 | 1.00 | |
| PCB087 | ND | 0.20 | 0.11 | 1.00 | |
| PCB099 | ND | 0.20 | 0.061 | 1.00 | |
| PCB101 | ND | 0.20 | 0.098 | 1.00 | |
| PCB105 | ND | 0.20 | 0.055 | 1.00 | |
| PCB110 | ND | 0.20 | 0.046 | 1.00 | |
| PCB114 | ND | 0.20 | 0.082 | 1.00 | |
| PCB118 | ND | 0.20 | 0.084 | 1.00 | |
| PCB119 | ND | 0.20 | 0.094 | 1.00 | |
| PCB123 | ND | 0.20 | 0.10 | 1.00 | |
| PCB126 | ND | 0.20 | 0.080 | 1.00 | |
| PCB128 | ND | 0.20 | 0.10 | 1.00 | |
| PCB132/153 | ND | 0.40 | 0.17 | 1.00 | |
| PCB138/158 | ND | 0.40 | 0.094 | 1.00 | |
| PCB149 | ND | 0.20 | 0.098 | 1.00 | |
| PCB151 | ND | 0.20 | 0.067 | 1.00 | |
| PCB156 | ND | 0.20 | 0.058 | 1.00 | |
| PCB157 | ND | 0.20 | 0.052 | 1.00 | |
| PCB167 | ND | 0.20 | 0.062 | 1.00 | |
| PCB168 | ND | 0.20 | 0.049 | 1.00 | |
| PCB169 | ND | 0.20 | 0.061 | 1.00 | |
| PCB170 | ND | 0.20 | 0.063 | 1.00 | |
| PCB177 | ND | 0.20 | 0.087 | 1.00 | |
| PCB180 | ND | 0.20 | 0.042 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/11/15
 Work Order: 15-11-0840
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyards- North

Page 8 of 8

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|-----------------|-----------------------|-------------------|-----------|-------------------|
| PCB183 | ND | 0.20 | 0.11 | 1.00 | |
| PCB187 | ND | 0.20 | 0.084 | 1.00 | |
| PCB189 | ND | 0.20 | 0.061 | 1.00 | |
| PCB194 | ND | 0.20 | 0.11 | 1.00 | |
| PCB201 | ND | 0.20 | 0.097 | 1.00 | |
| PCB206 | ND | 0.20 | 0.19 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | | |
| 2-Fluorobiphenyl | 102 | 50-150 | | | |
| p-Terphenyl-d14 | 127 | 50-150 | | | |

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/11/15
 Work Order: 15-11-0840
 Preparation: EPA 3550B (M)
 Method: Organotins by Krone et al.
 Units: ug/kg

Project: San Diego Shipyards- North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-18B-D-0535-151111 | 15-11-0840-4-AA | 11/11/15 09:43 | Sediment | GC/MS Y | 11/11/15 | 11/13/15 13:22 | 151111L19 |

Comment(s): - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|--------------|----------|----------------|------------|------|------------|
| Tributyltin | ND | 3.5 | 1.8 | 1.00 | |
| Surrogate | Rec. (%) | Control Limits | Qualifiers | | |
| Tripentyltin | 95 | 27-135 | | | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-17-D-0535-151111 | 15-11-0840-6-AA | 11/11/15 10:38 | Sediment | GC/MS Y | 11/11/15 | 11/13/15 13:38 | 151111L19 |

Comment(s): - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|--------------|----------|----------------|------------|------|------------|
| Tributyltin | 5.4 | 4.2 | 2.1 | 1.00 | |
| Surrogate | Rec. (%) | Control Limits | Qualifiers | | |
| Tripentyltin | 85 | 27-135 | | | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-18A-D-0535-151111 | 15-11-0840-8-AA | 11/11/15 11:20 | Sediment | GC/MS Y | 11/11/15 | 11/13/15 13:54 | 151111L19 |

Comment(s): - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|--------------|----------|----------------|------------|------|------------|
| Tributyltin | ND | 3.7 | 1.8 | 1.00 | |
| Surrogate | Rec. (%) | Control Limits | Qualifiers | | |
| Tripentyltin | 90 | 27-135 | | | |

| Method Blank | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-07-016-1332 | N/A | Solid | GC/MS Y | 11/11/15 | 11/13/15 12:20 | 151111L19 |

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|--------------|----------|----------------|------------|------|------------|
| Tributyltin | ND | 3.0 | 1.5 | 1.00 | |
| Surrogate | Rec. (%) | Control Limits | Qualifiers | | |
| Tripentyltin | 134 | 27-135 | | | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/11/15
 Work Order: 15-11-0840
 Preparation: EPA 3050B
 Method: EPA 6020

Project: San Diego Shipyards- North

Page 1 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-20-D-0535-151111 | Sample | Sediment | ICP/MS 03 | 11/11/15 | 11/12/15 15:38 | 151111S01 |
| SD-N-C-20-D-0535-151111 | Matrix Spike | Sediment | ICP/MS 03 | 11/11/15 | 11/12/15 15:24 | 151111S01 |
| SD-N-C-20-D-0535-151111 | Matrix Spike Duplicate | Sediment | ICP/MS 03 | 11/11/15 | 11/12/15 15:28 | 151111S01 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Copper | 121.3 | 25.00 | 178.7 | 4X | 181.3 | 4X | 80-120 | 4X | 0-20 | Q |

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/11/15
 Work Order: 15-11-0840
 Preparation: EPA 7471A Total
 Method: EPA 7471A

Project: San Diego Shipyards- North

Page 2 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-20-D-0535-151111 | Sample | Sediment | Mercury 05 | 11/12/15 | 11/12/15 14:40 | 151112S01 |
| SD-N-C-20-D-0535-151111 | Matrix Spike | Sediment | Mercury 05 | 11/12/15 | 11/12/15 14:42 | 151112S01 |
| SD-N-C-20-D-0535-151111 | Matrix Spike Duplicate | Sediment | Mercury 05 | 11/12/15 | 11/12/15 14:45 | 151112S01 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Mercury | 0.4047 | 0.8350 | 1.001 | 71 | 0.9639 | 67 | 76-136 | 4 | 0-16 | 3 |

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/11/15
 Work Order: 15-11-0840
 Preparation: EPA 3541
 Method: EPA 8270C SIM PAHs

Project: San Diego Shipyards- North

Page 3 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-18B-D-0535-151111 | Sample | Sediment | GC/MS MM | 11/11/15 | 11/12/15 12:46 | 151111S17 |
| SD-N-C-18B-D-0535-151111 | Matrix Spike | Sediment | GC/MS MM | 11/11/15 | 11/12/15 14:16 | 151111S17 |
| SD-N-C-18B-D-0535-151111 | Matrix Spike Duplicate | Sediment | GC/MS MM | 11/11/15 | 11/12/15 14:39 | 151111S17 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-------------------------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Benzo (a) Anthracene | ND | 100.0 | 93.95 | 94 | 103.2 | 103 | 40-160 | 9 | 0-20 | |
| Benzo (a) Pyrene | 11.70 | 100.0 | 103.7 | 92 | 114.1 | 102 | 40-160 | 9 | 0-20 | |
| Chrysene | ND | 100.0 | 92.09 | 92 | 102.7 | 103 | 40-160 | 11 | 0-20 | |
| Dibenz (a,h) Anthracene | ND | 100.0 | 81.76 | 82 | 95.10 | 95 | 40-160 | 15 | 0-20 | |
| Fluoranthene | 17.23 | 100.0 | 100.0 | 83 | 108.6 | 91 | 40-160 | 8 | 0-20 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/11/15
 Work Order: 15-11-0840
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners

Project: San Diego Shipyards- North

Page 4 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-18B-D-0535-151111 | Sample | Sediment | GC/MS HHH | 11/11/15 | 11/12/15 18:36 | 151111S18 |
| SD-N-C-18B-D-0535-151111 | Matrix Spike | Sediment | GC/MS HHH | 11/11/15 | 11/13/15 11:13 | 151111S18 |
| SD-N-C-18B-D-0535-151111 | Matrix Spike Duplicate | Sediment | GC/MS HHH | 11/11/15 | 11/13/15 11:36 | 151111S18 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| PCB018 | ND | 50.00 | 36.70 | 73 | 38.46 | 77 | 50-150 | 5 | 0-25 | |
| PCB028 | ND | 50.00 | 43.54 | 87 | 41.63 | 83 | 50-150 | 4 | 0-25 | |
| PCB044 | ND | 50.00 | 40.25 | 81 | 40.03 | 80 | 50-150 | 1 | 0-25 | |
| PCB052 | 0.4317 | 50.00 | 37.10 | 73 | 38.60 | 76 | 50-150 | 4 | 0-25 | |
| PCB066 | ND | 50.00 | 45.57 | 91 | 46.23 | 92 | 50-150 | 1 | 0-25 | |
| PCB077 | ND | 50.00 | 43.00 | 86 | 40.63 | 81 | 50-150 | 6 | 0-25 | |
| PCB101 | 1.479 | 50.00 | 40.66 | 78 | 40.15 | 77 | 50-150 | 1 | 0-25 | |
| PCB105 | ND | 50.00 | 47.83 | 96 | 41.39 | 83 | 50-150 | 14 | 0-25 | |
| PCB118 | 0.7888 | 50.00 | 46.08 | 91 | 44.09 | 87 | 50-150 | 4 | 0-25 | |
| PCB126 | ND | 50.00 | 43.82 | 88 | 40.54 | 81 | 50-150 | 8 | 0-25 | |
| PCB128 | ND | 50.00 | 44.17 | 88 | 41.26 | 83 | 50-150 | 7 | 0-25 | |
| PCB170 | 1.941 | 50.00 | 41.96 | 80 | 43.22 | 83 | 50-150 | 3 | 0-25 | |
| PCB180 | 4.096 | 50.00 | 45.85 | 84 | 43.87 | 80 | 50-150 | 4 | 0-25 | |
| PCB187 | 2.303 | 50.00 | 42.15 | 80 | 39.89 | 75 | 50-150 | 5 | 0-25 | |
| PCB206 | ND | 50.00 | 41.07 | 82 | 40.99 | 82 | 50-150 | 0 | 0-25 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/11/15
 Work Order: 15-11-0840
 Preparation: EPA 3550B (M)
 Method: Organotins by Krone et al.

Project: San Diego Shipyards- North

Page 5 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-18B-D-0535-151111 | Sample | Sediment | GC/MS Y | 11/11/15 | 11/13/15 13:22 | 151111S19 |
| SD-N-C-18B-D-0535-151111 | Matrix Spike | Sediment | GC/MS Y | 11/11/15 | 11/13/15 14:25 | 151111S19 |
| SD-N-C-18B-D-0535-151111 | Matrix Spike Duplicate | Sediment | GC/MS Y | 11/11/15 | 11/13/15 14:41 | 151111S19 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-------------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Tributyltin | ND | 100.0 | 65.61 | 66 | 63.98 | 64 | 34-142 | 3 | 0-50 | |

Return to Contents 

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - PDS

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/11/15
 Work Order: 15-11-0840
 Preparation: EPA 3050B
 Method: EPA 6020

Project: San Diego Shipyards- North

Page 1 of 1

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | PDS/PDSD Batch Number |
|---------------------------|--------|----------|------------|----------------|----------------|-----------------------|
| SD-N-C-20-D-0535-151111 | Sample | Sediment | ICP/MS 03 | 11/11/15 00:00 | 11/12/15 15:38 | 151111S01 |
| SD-N-C-20-D-0535-151111 | PDS | Sediment | ICP/MS 03 | 11/11/15 00:00 | 11/12/15 15:31 | 151111S01 |

| Parameter | Sample Conc. | Spike Added | PDS Conc. | PDS %Rec. | %Rec. CL | Qualifiers |
|-----------|--------------|-------------|-----------|-----------|----------|------------|
| Copper | 121.3 | 25.00 | 148.7 | 4X | 75-125 | Q |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - Sample Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/11/15
 Work Order: 15-11-0840
 Preparation: N/A
 Method: SM 2540 B (M)

Project: San Diego Shipyards- North

Page 1 of 1

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | Duplicate Batch Number |
|---------------------------|------------------|----------|------------|----------------|----------------|------------------------|
| SD-N-C-20-D-0535-151111 | Sample | Sediment | N/A | 11/11/15 00:00 | 11/12/15 12:00 | F1112TSD1 |
| SD-N-C-20-D-0535-151111 | Sample Duplicate | Sediment | N/A | 11/11/15 00:00 | 11/12/15 12:00 | F1112TSD1 |

| Parameter | Sample Conc. | DUP Conc. | RPD | RPD CL | Qualifiers |
|---------------|--------------|-----------|-----|--------|------------|
| Solids, Total | 55.50 | 55.80 | 1 | 0-10 | |

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/11/15
 Work Order: 15-11-0840
 Preparation: EPA 3050B
 Method: EPA 6020

Project: San Diego Shipyards- North

Page 1 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|------|--------|------------|---------------|----------------|-----------------------|
| 099-15-254-370 | LCS | Solid | ICP/MS 03 | 11/11/15 | 11/12/15 15:21 | 151111L01E |
| 099-15-254-370 | LCSD | Solid | ICP/MS 03 | 11/11/15 | 11/12/15 16:54 | 151111L01E |

| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|-------------|-----------|-----------|------------|------------|----------|-----|--------|------------|
| Copper | 25.00 | 25.07 | 100 | 25.48 | 102 | 80-120 | 2 | 0-20 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/11/15
 Work Order: 15-11-0840
 Preparation: EPA 7471A Total
 Method: EPA 7471A

Project: San Diego Shipyards- North

Page 2 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|------|--------|------------|---------------|----------------|-----------------------|
| 099-16-278-183 | LCS | Solid | Mercury 05 | 11/12/15 | 11/12/15 14:36 | 151112L01E |
| 099-16-278-183 | LCSD | Solid | Mercury 05 | 11/12/15 | 11/12/15 14:38 | 151112L01E |

| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|-------------|-----------|-----------|------------|------------|----------|-----|--------|------------|
| Mercury | 0.8350 | 0.8518 | 102 | 0.8443 | 101 | 82-124 | 1 | 0-16 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/11/15
 Work Order: 15-11-0840
 Preparation: EPA 3541
 Method: EPA 8270C SIM PAHs

Project: San Diego Shipyards- North

Page 3 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|------|--------|------------|---------------|----------------|-----------------------|
| 099-14-097-186 | LCS | Solid | GC/MS MM | 11/11/15 | 11/12/15 11:39 | 151111L17 |
| 099-14-097-186 | LCSD | Solid | GC/MS MM | 11/11/15 | 11/12/15 12:01 | 151111L17 |

| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-------------------------|-------------|-----------|-----------|------------|------------|----------|-----|--------|------------|
| Benzo (a) Anthracene | 100.0 | 91.43 | 91 | 90.90 | 91 | 40-160 | 1 | 0-20 | |
| Benzo (a) Pyrene | 100.0 | 95.30 | 95 | 95.74 | 96 | 40-160 | 0 | 0-20 | |
| Chrysene | 100.0 | 91.08 | 91 | 91.15 | 91 | 40-160 | 0 | 0-20 | |
| Dibenz (a,h) Anthracene | 100.0 | 92.32 | 92 | 92.17 | 92 | 40-160 | 0 | 0-20 | |
| Fluoranthene | 100.0 | 95.75 | 96 | 96.06 | 96 | 40-160 | 0 | 0-20 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/11/15
 Work Order: 15-11-0840
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners

Project: San Diego Shipyards- North

Page 4 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number | | | | |
|---------------------------|--------------------|------------------|------------------|-------------------|-----------------------|-----------------------|--------------|------------|---------------|-------------------|
| 099-16-418-178 | LCS | Solid | GC/MS HHH | 11/11/15 | 11/13/15 11:59 | 151111L18 | | | | |
| 099-16-418-178 | LCSD | Solid | GC/MS HHH | 11/11/15 | 11/13/15 12:24 | 151111L18 | | | | |
| <u>Parameter</u> | <u>Spike Added</u> | <u>LCS Conc.</u> | <u>LCS %Rec.</u> | <u>LCSD Conc.</u> | <u>LCSD %Rec.</u> | <u>%Rec. CL</u> | <u>ME CL</u> | <u>RPD</u> | <u>RPD CL</u> | <u>Qualifiers</u> |
| PCB018 | 50.00 | 28.45 | 57 | 35.91 | 72 | 50-150 | 33-167 | 23 | 0-25 | |
| PCB028 | 50.00 | 29.63 | 59 | 37.84 | 76 | 50-150 | 33-167 | 24 | 0-25 | |
| PCB044 | 50.00 | 29.08 | 58 | 37.33 | 75 | 50-150 | 33-167 | 25 | 0-25 | |
| PCB052 | 50.00 | 27.20 | 54 | 34.21 | 68 | 50-150 | 33-167 | 23 | 0-25 | |
| PCB066 | 50.00 | 34.16 | 68 | 43.65 | 87 | 50-150 | 33-167 | 24 | 0-25 | |
| PCB077 | 50.00 | 31.25 | 62 | 39.92 | 80 | 50-150 | 33-167 | 24 | 0-25 | |
| PCB101 | 50.00 | 30.16 | 60 | 38.00 | 76 | 50-150 | 33-167 | 23 | 0-25 | |
| PCB105 | 50.00 | 32.33 | 65 | 41.31 | 83 | 50-150 | 33-167 | 24 | 0-25 | |
| PCB118 | 50.00 | 33.91 | 68 | 43.41 | 87 | 50-150 | 33-167 | 25 | 0-25 | |
| PCB126 | 50.00 | 31.80 | 64 | 40.61 | 81 | 50-150 | 33-167 | 24 | 0-25 | |
| PCB128 | 50.00 | 32.26 | 65 | 41.31 | 83 | 50-150 | 33-167 | 25 | 0-25 | |
| PCB170 | 50.00 | 31.75 | 64 | 40.74 | 81 | 50-150 | 33-167 | 25 | 0-25 | |
| PCB180 | 50.00 | 33.28 | 67 | 42.84 | 86 | 50-150 | 33-167 | 25 | 0-25 | |
| PCB187 | 50.00 | 30.80 | 62 | 39.53 | 79 | 50-150 | 33-167 | 25 | 0-25 | |
| PCB206 | 50.00 | 31.21 | 62 | 40.29 | 81 | 50-150 | 33-167 | 25 | 0-25 | |

Total number of LCS compounds: 15
 Total number of ME compounds: 0
 Total number of ME compounds allowed: 1
 LCS ME CL validation result: Pass

[Return to Contents](#)

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/11/15
 Work Order: 15-11-0840
 Preparation: EPA 3550B (M)
 Method: Organotins by Krone et al.

Project: San Diego Shipyards- North

Page 5 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|------|--------|------------|---------------|----------------|-----------------------|
| 099-07-016-1332 | LCS | Solid | GC/MS Y | 11/11/15 | 11/13/15 12:35 | 151111L19 |
| 099-07-016-1332 | LCSD | Solid | GC/MS Y | 11/11/15 | 11/13/15 12:51 | 151111L19 |

| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-------------|-------------|-----------|-----------|------------|------------|----------|-----|--------|------------|
| Tributyltin | 100.0 | 63.57 | 64 | 61.30 | 61 | 33-147 | 4 | 0-20 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

| <u>Qualifiers</u> | <u>Definition</u> |
|-------------------|---|
| * | See applicable analysis comment. |
| < | Less than the indicated value. |
| > | Greater than the indicated value. |
| 1 | Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification. |
| 2 | Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification. |
| 3 | Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control. |
| 4 | The MS/MSD RPD was out of control due to suspected matrix interference. |
| 5 | The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference. |
| 6 | Surrogate recovery below the acceptance limit. |
| 7 | Surrogate recovery above the acceptance limit. |
| B | Analyte was present in the associated method blank. |
| BU | Sample analyzed after holding time expired. |
| BV | Sample received after holding time expired. |
| CI | See case narrative. |
| E | Concentration exceeds the calibration range. |
| ET | Sample was extracted past end of recommended max. holding time. |
| HD | The chromatographic pattern was inconsistent with the profile of the reference fuel standard. |
| HDH | The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected). |
| HDL | The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected). |
| J | Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated. |
| JA | Analyte positively identified but quantitation is an estimate. |
| ME | LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean). |
| ND | Parameter not detected at the indicated reporting limit. |
| Q | Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater. |
| SG | The sample extract was subjected to Silica Gel treatment prior to analysis. |
| X | % Recovery and/or RPD out-of-range. |
| Z | Analyte presence was not confirmed by second column or GC/MS analysis. |
| | Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis. |
| | Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time. |
| | A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations. |

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: ANCHOR

DATE: 11 / 11 / 2015

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)
 Thermometer ID: SC2 (CF:-0.4°C); Temperature (w/o CF): 3.1 °C (w/ CF): 2.7 °C; Blank Sample
 Sample(s) outside temperature criteria (PM/APM contacted by: _____)
 Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling
 Sample(s) received at ambient temperature; placed on ice for transport by courier
 Ambient Temperature: Air Filter

Checked by: 671

CUSTODY SEAL:
 Cooler Present and Intact Present but Not Intact Not Present N/A
 Sample(s) Present and Intact Present but Not Intact Not Present N/A

Checked by: 671

Checked by: ACD

| SAMPLE CONDITION: | Yes | No | N/A |
|--|-------------------------------------|--------------------------|-------------------------------------|
| Chain-of-Custody (COC) document(s) received with samples | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| COC document(s) received complete | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> Sampling date <input type="checkbox"/> Sampling time <input type="checkbox"/> Matrix <input type="checkbox"/> Number of containers | | | |
| <input type="checkbox"/> No analysis requested <input type="checkbox"/> Not relinquished <input type="checkbox"/> No relinquished date <input type="checkbox"/> No relinquished time | | | |
| Sampler's name indicated on COC | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Sample container label(s) consistent with COC | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Sample container(s) intact and in good condition | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Proper containers for analyses requested | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Sufficient volume/mass for analyses requested | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Samples received within holding time | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Aqueous samples for certain analyses received within 15-minute holding time | | | |
| <input type="checkbox"/> pH <input type="checkbox"/> Residual Chlorine <input type="checkbox"/> Dissolved Sulfide <input type="checkbox"/> Dissolved Oxygen | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Proper preservation chemical(s) noted on COC and/or sample container | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Unpreserved aqueous sample(s) received for certain analyses | | | |
| <input type="checkbox"/> Volatile Organics <input type="checkbox"/> Total Metals <input type="checkbox"/> Dissolved Metals | | | |
| Container(s) for certain analysis free of headspace | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input type="checkbox"/> Volatile Organics <input type="checkbox"/> Dissolved Gases (RSK-175) <input type="checkbox"/> Dissolved Oxygen (SM 4500) | | | |
| <input type="checkbox"/> Carbon Dioxide (SM 4500) <input type="checkbox"/> Ferrous Iron (SM 3500) <input type="checkbox"/> Hydrogen Sulfide (Hach) | | | |
| Tedlar™ bag(s) free of condensation | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

CONTAINER TYPE: (Trip Blank Lot Number: _____)
Aqueous: VOA VOA_h VOA_{na2} 100PJ 100PJ_{na2} 125AGB 125AGB_h 125AGB_p 125PB
 125PB_{z_{na}} 250AGB 250CGB 250CGB_s 250PB 250PB_n 500AGB 500AGJ 500AGJ_s
 500PB 1AGB 1AGB_{na2} 1AGB_s 1PB 1PB_{na} _____ _____ _____
Solid: 4ozCGJ 8ozCGJ 16ozCGJ Sleeve (_____) EnCores® (_____) TerraCores® (_____) _____
Air: Tedlar™ Canister Sorbent Tube PUF _____ **Other Matrix** (_____) _____ _____

Container: A = Amber, B = Bottle, C = Clear, E = Envelope, G = Glass, J = Jar, P = Plastic, and Z = Ziploc/Resealable Bag
 Preservative: b = buffered, f = filtered, h = HCl, n = HNO₃, na = NaOH, na₂ = Na₂S₂O₃, p = H₃PO₄, Labeled/Checked by: ACD
 s = H₂SO₄, u = ultra-pure, z_{na} = Zn(CH₃CO₂)₂ + NaOH Reviewed by: 778

Return to Contents



Environmental
Calscience

Supplemental Report 2

The original report has been revised/corrected.



WORK ORDER NUMBER: 15-11-1661

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: ANCHOR QEA, LLC

Client Project Name: San Diego Shipyards- North

Attention: Adam Gale
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Approved for release on 02/02/2016 by:
Carla Hollowell
Project Manager

ResultLink ▶

Email your PM ▶



Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

Client Project Name: San Diego Shipyards- North
Work Order Number: 15-11-1661

| | | |
|---|--|----|
| 1 | Work Order Narrative. | 3 |
| 2 | Sample Summary. | 4 |
| 3 | Client Sample Data. | 5 |
| | 3.1 SM 2540 B (M) Total Solids (Solid). | 5 |
| | 3.2 EPA 6020 ICP/MS Metals (Solid). | 6 |
| | 3.3 EPA 7471A Mercury (Solid). | 7 |
| | 3.4 EPA 8270C SIM PAHs (Solid). | 8 |
| | 3.5 EPA 8270C SIM PCB Congeners (Solid). | 9 |
| | 3.6 Krone et al. Organotins (Solid). | 13 |
| 4 | Quality Control Sample Data. | 14 |
| | 4.1 MS/MSD. | 14 |
| | 4.2 PDS/PDSD. | 20 |
| | 4.3 Sample Duplicate. | 22 |
| | 4.4 LCS/LCSD. | 23 |
| 5 | Glossary of Terms and Qualifiers. | 29 |
| 6 | Chain-of-Custody/Sample Receipt Form. | 30 |

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 11/21/15. They were assigned to Work Order 15-11-1661.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of ≤ 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

Sample Summary

| | |
|------------------------------|--|
| Client: ANCHOR QEA, LLC | Work Order: 15-11-1661 |
| 27201 Puerta Real, Suite 350 | Project Name: San Diego Shipyards- North |
| Mission Viejo, CA 92691-8306 | PO Number: |
| | Date/Time Received: 11/21/15 15:08 |
| | Number of Containers: 4 |

Attn: Adam Gale

| Sample Identification | Lab Number | Collection Date and Time | Number of Containers | Matrix |
|--------------------------|--------------|--------------------------|----------------------|----------|
| SD-N-C-05B-D-0535-151121 | 15-11-1661-2 | 11/21/15 09:40 | 1 | Sediment |

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/21/15
 Work Order: 15-11-1661
 Preparation: N/A
 Method: SM 2540 B (M)
 Units: %

Project: San Diego Shipyards- North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-05B-D-0535-151121 | 15-11-1661-2-AA | 11/21/15 09:40 | Sediment | N/A | 11/21/15 | 11/23/15 12:00 | F1123TSB1 |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|---------------|--------|-------|-------|------|------------|
| Solids, Total | 72.6 | 0.100 | 0.100 | 1.00 | |

| Method Blank | 099-05-019-3135 | N/A | Solid | N/A | 11/21/15 | 11/23/15 12:00 | F1123TSB1 |
|--------------|-----------------|-----|-------|-----|----------|----------------|-----------|
|--------------|-----------------|-----|-------|-----|----------|----------------|-----------|

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|---------------|--------|-------|-------|------|------------|
| Solids, Total | ND | 0.100 | 0.100 | 1.00 | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/21/15
 Work Order: 15-11-1661
 Preparation: EPA 3050B
 Method: EPA 6020
 Units: mg/kg

Project: San Diego Shipyards- North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-05B-D-0535-151121 | 15-11-1661-2-AA | 11/21/15 09:40 | Sediment | ICP/MS 03 | 11/21/15 | 11/23/15 13:24 | 151121L01E |

Comment(s): - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|-------|--------|------|------------|
| Copper | 66.5 | 0.138 | 0.0577 | 1.00 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-05B-D-0535-151121 | 15-11-1661-2-AA | 11/21/15 09:40 | Sediment | ICP/MS 03 | 11/25/15 | 11/30/15 13:34 | 151125L01E |

Comment(s): - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|-------|--------|------|------------|
| Copper | 61.2 | 0.138 | 0.0577 | 1.00 | |

| Method Blank | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-15-254-373 | N/A | Solid | ICP/MS 03 | 11/21/15 | 11/23/15 12:49 | 151121L01E |

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|-------|--------|------|------------|
| Copper | ND | 0.100 | 0.0419 | 1.00 | |

| Method Blank | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-15-254-375 | N/A | Solid | ICP/MS 03 | 11/25/15 | 11/30/15 12:52 | 151125L01E |

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|-------|--------|------|------------|
| Copper | ND | 0.100 | 0.0419 | 1.00 | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/21/15
 Work Order: 15-11-1661
 Preparation: EPA 7471A Total
 Method: EPA 7471A
 Units: mg/kg

Project: San Diego Shipyards- North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-05B-D-0535-151121 | 15-11-1661-2-AA | 11/21/15 09:40 | Sediment | Mercury 05 | 11/21/15 | 11/23/15 14:25 | 151120L04E |

Comment(s):
 - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|--------|---------|------|------------|
| Mercury | 0.228 | 0.0271 | 0.00795 | 1.00 | |

| Method Blank | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-16-278-185 | N/A | Solid | Mercury 05 | 11/20/15 | 11/23/15 13:39 | 151120L04E |

Comment(s):
 - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|--------|---------|------|------------|
| Mercury | ND | 0.0200 | 0.00587 | 1.00 | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/21/15
 Work Order: 15-11-1661
 Preparation: EPA 3541
 Method: EPA 8270C SIM PAHs
 Units: ug/kg

Project: San Diego Shipyards- North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-05B-D-0535-151121 | 15-11-1661-2-AA | 11/21/15 09:40 | Sediment | GC/MS EEE | 11/21/15 | 11/23/15 13:12 | 151121L19 |

Comment(s): - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-------------------------|--------|----|-----|------|------------|
| Benzo (a) Anthracene | ND | 14 | 3.0 | 1.00 | |
| Benzo (a) Pyrene | ND | 14 | 2.5 | 1.00 | |
| Chrysene | ND | 14 | 3.1 | 1.00 | |
| Dibenz (a,h) Anthracene | ND | 14 | 2.7 | 1.00 | |
| Fluoranthene | ND | 14 | 2.5 | 1.00 | |
| Perylene | ND | 14 | 3.3 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|------------------|----------|----------------|------------|
| 2-Fluorobiphenyl | 59 | 14-146 | |
| Nitrobenzene-d5 | 63 | 18-162 | |
| p-Terphenyl-d14 | 63 | 34-148 | |

| Method Blank | 099-14-097-189 | N/A | Solid | GC/MS EEE | 11/21/15 | 11/23/15 12:09 | 151121L19 |
|--------------|----------------|-----|-------|-----------|----------|----------------|-----------|
|--------------|----------------|-----|-------|-----------|----------|----------------|-----------|

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-------------------------|--------|----|-----|------|------------|
| Benzo (a) Anthracene | ND | 10 | 2.2 | 1.00 | |
| Benzo (a) Pyrene | ND | 10 | 1.8 | 1.00 | |
| Chrysene | ND | 10 | 2.2 | 1.00 | |
| Dibenz (a,h) Anthracene | ND | 10 | 2.0 | 1.00 | |
| Fluoranthene | ND | 10 | 1.8 | 1.00 | |
| Perylene | ND | 10 | 2.4 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|------------------|----------|----------------|------------|
| 2-Fluorobiphenyl | 61 | 14-146 | |
| Nitrobenzene-d5 | 65 | 18-162 | |
| p-Terphenyl-d14 | 69 | 34-148 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/21/15
 Work Order: 15-11-1661
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyards- North

Page 1 of 4

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-05B-D-0535-151121 | 15-11-1661-2-AA | 11/21/15 09:40 | Sediment | GC/MS HHH | 11/21/15 | 11/23/15 19:59 | 151121L20 |

Comment(s):
 - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|------------|--------|------|-------|------|------------|
| PCB018 | ND | 0.27 | 0.097 | 1.00 | |
| PCB028 | ND | 0.27 | 0.046 | 1.00 | |
| PCB037 | ND | 0.27 | 0.083 | 1.00 | |
| PCB044 | ND | 0.27 | 0.12 | 1.00 | |
| PCB049 | ND | 0.27 | 0.15 | 1.00 | |
| PCB052 | ND | 0.27 | 0.086 | 1.00 | |
| PCB066 | ND | 0.27 | 0.14 | 1.00 | |
| PCB070 | ND | 0.27 | 0.082 | 1.00 | |
| PCB074 | ND | 0.27 | 0.12 | 1.00 | |
| PCB077 | ND | 0.27 | 0.11 | 1.00 | |
| PCB081 | ND | 0.27 | 0.16 | 1.00 | |
| PCB087 | ND | 0.27 | 0.15 | 1.00 | |
| PCB099 | ND | 0.27 | 0.083 | 1.00 | |
| PCB101 | ND | 0.27 | 0.13 | 1.00 | |
| PCB105 | ND | 0.27 | 0.075 | 1.00 | |
| PCB110 | ND | 0.27 | 0.063 | 1.00 | |
| PCB114 | ND | 0.27 | 0.11 | 1.00 | |
| PCB118 | ND | 0.27 | 0.12 | 1.00 | |
| PCB119 | ND | 0.27 | 0.13 | 1.00 | |
| PCB123 | ND | 0.27 | 0.14 | 1.00 | |
| PCB126 | ND | 0.27 | 0.11 | 1.00 | |
| PCB128 | ND | 0.27 | 0.14 | 1.00 | |
| PCB132/153 | ND | 0.55 | 0.24 | 1.00 | |
| PCB138/158 | ND | 0.55 | 0.13 | 1.00 | |
| PCB149 | ND | 0.27 | 0.13 | 1.00 | |
| PCB151 | ND | 0.27 | 0.092 | 1.00 | |
| PCB156 | ND | 0.27 | 0.079 | 1.00 | |
| PCB157 | ND | 0.27 | 0.072 | 1.00 | |
| PCB167 | ND | 0.27 | 0.084 | 1.00 | |
| PCB168 | ND | 0.27 | 0.067 | 1.00 | |
| PCB169 | ND | 0.27 | 0.083 | 1.00 | |
| PCB170 | ND | 0.27 | 0.087 | 1.00 | |
| PCB177 | ND | 0.27 | 0.12 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/21/15
 Work Order: 15-11-1661
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyards- North

Page 2 of 4

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|-----------------|-----------------------|-------------------|-----------|-------------------|
| PCB180 | ND | 0.27 | 0.058 | 1.00 | |
| PCB183 | ND | 0.27 | 0.15 | 1.00 | |
| PCB187 | ND | 0.27 | 0.12 | 1.00 | |
| PCB189 | ND | 0.27 | 0.084 | 1.00 | |
| PCB194 | ND | 0.27 | 0.15 | 1.00 | |
| PCB201 | ND | 0.27 | 0.13 | 1.00 | |
| PCB206 | ND | 0.27 | 0.26 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | | |
| 2-Fluorobiphenyl | 73 | 50-150 | | | |
| p-Terphenyl-d14 | 75 | 50-150 | | | |

Return to Contents 

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/21/15
 Work Order: 15-11-1661
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyards- North

Page 3 of 4

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-16-418-183 | N/A | Solid | GC/MS HHH | 11/21/15 | 11/23/15 18:43 | 151121L20 |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|------------|--------|------|-------|------|------------|
| PCB018 | ND | 0.20 | 0.071 | 1.00 | |
| PCB028 | ND | 0.20 | 0.034 | 1.00 | |
| PCB037 | ND | 0.20 | 0.060 | 1.00 | |
| PCB044 | ND | 0.20 | 0.087 | 1.00 | |
| PCB049 | ND | 0.20 | 0.11 | 1.00 | |
| PCB052 | ND | 0.20 | 0.063 | 1.00 | |
| PCB066 | ND | 0.20 | 0.10 | 1.00 | |
| PCB070 | ND | 0.20 | 0.060 | 1.00 | |
| PCB074 | ND | 0.20 | 0.087 | 1.00 | |
| PCB077 | ND | 0.20 | 0.078 | 1.00 | |
| PCB081 | ND | 0.20 | 0.12 | 1.00 | |
| PCB087 | ND | 0.20 | 0.11 | 1.00 | |
| PCB099 | ND | 0.20 | 0.061 | 1.00 | |
| PCB101 | ND | 0.20 | 0.098 | 1.00 | |
| PCB105 | ND | 0.20 | 0.055 | 1.00 | |
| PCB110 | ND | 0.20 | 0.046 | 1.00 | |
| PCB114 | ND | 0.20 | 0.082 | 1.00 | |
| PCB118 | ND | 0.20 | 0.084 | 1.00 | |
| PCB119 | ND | 0.20 | 0.094 | 1.00 | |
| PCB123 | ND | 0.20 | 0.10 | 1.00 | |
| PCB126 | ND | 0.20 | 0.080 | 1.00 | |
| PCB128 | ND | 0.20 | 0.10 | 1.00 | |
| PCB132/153 | ND | 0.40 | 0.17 | 1.00 | |
| PCB138/158 | ND | 0.40 | 0.094 | 1.00 | |
| PCB149 | ND | 0.20 | 0.098 | 1.00 | |
| PCB151 | ND | 0.20 | 0.067 | 1.00 | |
| PCB156 | ND | 0.20 | 0.058 | 1.00 | |
| PCB157 | ND | 0.20 | 0.052 | 1.00 | |
| PCB167 | ND | 0.20 | 0.062 | 1.00 | |
| PCB168 | ND | 0.20 | 0.049 | 1.00 | |
| PCB169 | ND | 0.20 | 0.061 | 1.00 | |
| PCB170 | ND | 0.20 | 0.063 | 1.00 | |
| PCB177 | ND | 0.20 | 0.087 | 1.00 | |
| PCB180 | ND | 0.20 | 0.042 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/21/15
 Work Order: 15-11-1661
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyards- North

Page 4 of 4

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|-----------------|-----------------------|-------------------|-----------|-------------------|
| PCB183 | ND | 0.20 | 0.11 | 1.00 | |
| PCB187 | ND | 0.20 | 0.084 | 1.00 | |
| PCB189 | ND | 0.20 | 0.061 | 1.00 | |
| PCB194 | ND | 0.20 | 0.11 | 1.00 | |
| PCB201 | ND | 0.20 | 0.097 | 1.00 | |
| PCB206 | ND | 0.20 | 0.19 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | | |
| 2-Fluorobiphenyl | 81 | 50-150 | | | |
| p-Terphenyl-d14 | 85 | 50-150 | | | |

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/21/15
 Work Order: 15-11-1661
 Preparation: EPA 3550B (M)
 Method: Organotins by Krone et al.
 Units: ug/kg

Project: San Diego Shipyards- North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-05B-D-0535-151121 | 15-11-1661-2-AA | 11/21/15 09:40 | Sediment | GC/MS Y | 11/21/15 | 11/23/15 18:14 | 151121L18 |

Comment(s): - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|--------------|----------|----------------|------------|------|------------|
| Tributyltin | ND | 4.1 | 2.0 | 1.00 | |
| Surrogate | Rec. (%) | Control Limits | Qualifiers | | |
| Tripentyltin | 73 | 27-135 | | | |

| Method Blank | 099-07-016-1336 | N/A | Solid | GC/MS Y | 11/21/15 | 11/23/15 17:26 | 151121L18 |
|--------------|-----------------|-----|-------|---------|----------|----------------|-----------|
|--------------|-----------------|-----|-------|---------|----------|----------------|-----------|

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|--------------|----------|----------------|------------|------|------------|
| Tributyltin | ND | 3.0 | 1.5 | 1.00 | |
| Surrogate | Rec. (%) | Control Limits | Qualifiers | | |
| Tripentyltin | 99 | 27-135 | | | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/21/15
 Work Order: 15-11-1661
 Preparation: EPA 3050B
 Method: EPA 6020

Project: San Diego Shipyards- North

Page 1 of 6

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-05B-D-0535-151121 | Sample | Sediment | ICP/MS 03 | 11/21/15 | 11/23/15 13:24 | 151121S01 |
| SD-N-C-05B-D-0535-151121 | Matrix Spike | Sediment | ICP/MS 03 | 11/21/15 | 11/23/15 13:10 | 151121S01 |
| SD-N-C-05B-D-0535-151121 | Matrix Spike Duplicate | Sediment | ICP/MS 03 | 11/21/15 | 11/23/15 13:13 | 151121S01 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Copper | 48.26 | 25.00 | 71.61 | 93 | 72.67 | 98 | 80-120 | 1 | 0-20 | |

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/21/15
 Work Order: 15-11-1661
 Preparation: EPA 3050B
 Method: EPA 6020

Project: San Diego Shipyards- North

Page 2 of 6

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-5A-0535-151121 | Sample | Sediment | ICP/MS 03 | 11/25/15 | 11/30/15 13:31 | 151125S01 |
| SD-N-C-5A-0535-151121 | Matrix Spike | Sediment | ICP/MS 03 | 11/25/15 | 11/30/15 13:03 | 151125S01 |
| SD-N-C-5A-0535-151121 | Matrix Spike Duplicate | Sediment | ICP/MS 03 | 11/25/15 | 11/30/15 13:06 | 151125S01 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Copper | 6.692 | 25.00 | 32.29 | 102 | 32.51 | 103 | 80-120 | 1 | 0-20 | |

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/21/15
 Work Order: 15-11-1661
 Preparation: EPA 7471A Total
 Method: EPA 7471A

Project: San Diego Shipyards- North

Page 3 of 6

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|--------|------------|---------------|----------------|---------------------|
| 15-11-1451-31 | Sample | Solid | Mercury 05 | 11/20/15 | 11/23/15 13:43 | 151120S04 |
| 15-11-1451-31 | Matrix Spike | Solid | Mercury 05 | 11/20/15 | 11/23/15 13:45 | 151120S04 |
| 15-11-1451-31 | Matrix Spike Duplicate | Solid | Mercury 05 | 11/20/15 | 11/23/15 13:48 | 151120S04 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Mercury | ND | 0.8350 | 0.8355 | 100 | 0.8189 | 98 | 71-137 | 2 | 0-14 | |

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/21/15
 Work Order: 15-11-1661
 Preparation: EPA 3541
 Method: EPA 8270C SIM PAHs

Project: San Diego Shipyards- North

Page 4 of 6

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-05B-D-0535-151121 | Sample | Sediment | GC/MS EEE | 11/21/15 | 11/23/15 13:12 | 151121S19 |
| SD-N-C-05B-D-0535-151121 | Matrix Spike | Sediment | GC/MS EEE | 11/21/15 | 11/23/15 13:53 | 151121S19 |
| SD-N-C-05B-D-0535-151121 | Matrix Spike Duplicate | Sediment | GC/MS EEE | 11/21/15 | 11/23/15 14:14 | 151121S19 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-------------------------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Benzo (a) Anthracene | ND | 100.0 | 35.75 | 36 | 26.89 | 27 | 40-160 | 28 | 0-20 | 3,4 |
| Benzo (a) Pyrene | ND | 100.0 | 36.20 | 36 | 36.41 | 36 | 40-160 | 1 | 0-20 | 3 |
| Chrysene | ND | 100.0 | 34.05 | 34 | 25.38 | 25 | 40-160 | 29 | 0-20 | 3,4 |
| Dibenz (a,h) Anthracene | ND | 100.0 | 35.19 | 35 | 42.81 | 43 | 40-160 | 20 | 0-20 | 3 |
| Fluoranthene | ND | 100.0 | 36.26 | 36 | 16.27 | 16 | 40-160 | 76 | 0-20 | 3,4 |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/21/15
 Work Order: 15-11-1661
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners

Project: San Diego Shipyards- North

Page 5 of 6

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------------|-------------------------------|-----------------|------------------|-----------------|-----------------------|---------------------|
| SD-N-C-05B-D-0535-151121 | Sample | Sediment | GC/MS HHH | 11/21/15 | 11/23/15 19:59 | 151121S20 |
| SD-N-C-05B-D-0535-151121 | Matrix Spike | Sediment | GC/MS HHH | 11/21/15 | 11/23/15 20:49 | 151121S20 |
| SD-N-C-05B-D-0535-151121 | Matrix Spike Duplicate | Sediment | GC/MS HHH | 11/21/15 | 11/23/15 21:15 | 151121S20 |

| <u>Parameter</u> | <u>Sample Conc.</u> | <u>Spike Added</u> | <u>MS Conc.</u> | <u>MS %Rec.</u> | <u>MSD Conc.</u> | <u>MSD %Rec.</u> | <u>%Rec. CL</u> | <u>RPD</u> | <u>RPD CL</u> | <u>Qualifiers</u> |
|------------------|---------------------|--------------------|-----------------|-----------------|------------------|------------------|-----------------|------------|---------------|-------------------|
| PCB018 | ND | 50.00 | 32.80 | 66 | 37.32 | 75 | 50-150 | 13 | 0-25 | |
| PCB028 | ND | 50.00 | 35.16 | 70 | 40.48 | 81 | 50-150 | 14 | 0-25 | |
| PCB044 | ND | 50.00 | 33.07 | 66 | 38.38 | 77 | 50-150 | 15 | 0-25 | |
| PCB052 | ND | 50.00 | 31.00 | 62 | 36.00 | 72 | 50-150 | 15 | 0-25 | |
| PCB066 | ND | 50.00 | 37.68 | 75 | 44.24 | 88 | 50-150 | 16 | 0-25 | |
| PCB077 | ND | 50.00 | 35.44 | 71 | 41.17 | 82 | 50-150 | 15 | 0-25 | |
| PCB101 | ND | 50.00 | 32.22 | 64 | 38.83 | 78 | 50-150 | 19 | 0-25 | |
| PCB105 | ND | 50.00 | 35.01 | 70 | 42.44 | 85 | 50-150 | 19 | 0-25 | |
| PCB118 | ND | 50.00 | 37.42 | 75 | 46.18 | 92 | 50-150 | 21 | 0-25 | |
| PCB126 | ND | 50.00 | 35.08 | 70 | 42.07 | 84 | 50-150 | 18 | 0-25 | |
| PCB128 | ND | 50.00 | 33.90 | 68 | 41.12 | 82 | 50-150 | 19 | 0-25 | |
| PCB170 | ND | 50.00 | 32.07 | 64 | 36.88 | 74 | 50-150 | 14 | 0-25 | |
| PCB180 | ND | 50.00 | 34.30 | 69 | 41.85 | 84 | 50-150 | 20 | 0-25 | |
| PCB187 | ND | 50.00 | 30.89 | 62 | 37.39 | 75 | 50-150 | 19 | 0-25 | |
| PCB206 | ND | 50.00 | 27.84 | 56 | 32.60 | 65 | 50-150 | 16 | 0-25 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/21/15
 Work Order: 15-11-1661
 Preparation: EPA 3550B (M)
 Method: Organotins by Krone et al.

Project: San Diego Shipyards- North

Page 6 of 6

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-05B-D-0535-151121 | Sample | Sediment | GC/MS Y | 11/21/15 | 11/23/15 18:14 | 151121S18 |
| SD-N-C-05B-D-0535-151121 | Matrix Spike | Sediment | GC/MS Y | 11/21/15 | 11/23/15 18:45 | 151121S18 |
| SD-N-C-05B-D-0535-151121 | Matrix Spike Duplicate | Sediment | GC/MS Y | 11/21/15 | 11/23/15 19:01 | 151121S18 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-------------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Tributyltin | ND | 100.0 | 56.78 | 57 | 51.14 | 51 | 34-142 | 10 | 0-50 | |

Quality Control - PDS

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/21/15
 Work Order: 15-11-1661
 Preparation: EPA 3050B
 Method: EPA 6020

Project: San Diego Shipyards- North

Page 1 of 2

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | PDS/PDSD Batch Number |
|---------------------------|--------|----------|------------|----------------|----------------|-----------------------|
| SD-N-C-05B-D-0535-151121 | Sample | Sediment | ICP/MS 03 | 11/21/15 00:00 | 11/23/15 13:24 | 151121S01 |
| SD-N-C-05B-D-0535-151121 | PDS | Sediment | ICP/MS 03 | 11/21/15 00:00 | 11/23/15 13:17 | 151121S01 |

| <u>Parameter</u> | <u>Sample Conc.</u> | <u>Spike Added</u> | <u>PDS Conc.</u> | <u>PDS %Rec.</u> | <u>%Rec. CL</u> | <u>Qualifiers</u> |
|------------------|---------------------|--------------------|------------------|------------------|-----------------|-------------------|
| Copper | 48.26 | 25.00 | 73.01 | 99 | 75-125 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - PDS

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/21/15
 Work Order: 15-11-1661
 Preparation: EPA 3050B
 Method: EPA 6020

Project: San Diego Shipyards- North

Page 2 of 2

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | PDS/PDSD Batch Number |
|---------------------------|--------|----------|------------|----------------|----------------|-----------------------|
| SD-N-C-5A-0535-151121 | Sample | Sediment | ICP/MS 03 | 11/25/15 00:00 | 11/30/15 13:31 | 151125S01 |
| SD-N-C-5A-0535-151121 | PDS | Sediment | ICP/MS 03 | 11/25/15 00:00 | 11/30/15 13:10 | 151125S01 |

| Parameter | Sample Conc. | Spike Added | PDS Conc. | PDS %Rec. | %Rec. CL | Qualifiers |
|-----------|--------------|-------------|-----------|-----------|----------|------------|
| Copper | 6.692 | 25.00 | 31.21 | 98 | 75-125 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - Sample Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/21/15
 Work Order: 15-11-1661
 Preparation: N/A
 Method: SM 2540 B (M)

Project: San Diego Shipyards- North

Page 1 of 1

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | Duplicate Batch Number |
|---------------------------|------------------|----------|------------|----------------|----------------|------------------------|
| SD-N-C-5A-0535-151121 | Sample | Sediment | N/A | 11/21/15 00:00 | 11/23/15 12:00 | F1123TSD1 |
| SD-N-C-5A-0535-151121 | Sample Duplicate | Sediment | N/A | 11/21/15 00:00 | 11/23/15 12:00 | F1123TSD1 |

| Parameter | Sample Conc. | DUP Conc. | RPD | RPD CL | Qualifiers |
|---------------|--------------|-----------|-----|--------|------------|
| Solids, Total | 86.80 | 86.80 | 0 | 0-10 | |

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/21/15
 Work Order: 15-11-1661
 Preparation: EPA 3050B
 Method: EPA 6020

Project: San Diego Shipyards- North

Page 1 of 6

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|------|--------|------------|---------------|----------------|-----------------------|
| 099-15-254-373 | LCS | Solid | ICP/MS 03 | 11/21/15 | 11/23/15 12:52 | 151121L01E |
| 099-15-254-373 | LCSD | Solid | ICP/MS 03 | 11/21/15 | 11/23/15 13:06 | 151121L01E |

| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|-------------|-----------|-----------|------------|------------|----------|-----|--------|------------|
| Copper | 25.00 | 26.03 | 104 | 25.55 | 102 | 80-120 | 2 | 0-20 | |

Return to Contents 

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/21/15
 Work Order: 15-11-1661
 Preparation: EPA 3050B
 Method: EPA 6020

Project: San Diego Shipyards- North

Page 2 of 6

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|------|--------|------------|---------------|----------------|-----------------------|
| 099-15-254-375 | LCS | Solid | ICP/MS 03 | 11/25/15 | 11/30/15 12:56 | 151125L01E |
| 099-15-254-375 | LCSD | Solid | ICP/MS 03 | 11/25/15 | 11/30/15 12:59 | 151125L01E |

| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|-------------|-----------|-----------|------------|------------|----------|-----|--------|------------|
| Copper | 25.00 | 25.64 | 103 | 25.75 | 103 | 80-120 | 0 | 0-20 | |

Return to Contents 

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/21/15
 Work Order: 15-11-1661
 Preparation: EPA 7471A Total
 Method: EPA 7471A

Project: San Diego Shipyards- North

Page 3 of 6

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|------|--------|------------|---------------|----------------|-----------------------|
| 099-16-278-185 | LCS | Solid | Mercury 05 | 11/20/15 | 11/23/15 13:41 | 151120L04E |
| 099-16-278-185 | LCSD | Solid | Mercury 05 | 11/20/15 | 11/23/15 14:30 | 151120L04E |

| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|-------------|-----------|-----------|------------|------------|----------|-----|--------|------------|
| Mercury | 0.8350 | 0.8388 | 100 | 0.7786 | 93 | 82-124 | 7 | 0-16 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/21/15
 Work Order: 15-11-1661
 Preparation: EPA 3541
 Method: EPA 8270C SIM PAHs

Project: San Diego Shipyards- North

Page 4 of 6

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|-------------|--------------|------------------|-----------------|-----------------------|-----------------------|
| 099-14-097-189 | LCS | Solid | GC/MS EEE | 11/21/15 | 11/23/15 12:29 | 151121L19 |
| 099-14-097-189 | LCSD | Solid | GC/MS EEE | 11/21/15 | 11/23/15 12:50 | 151121L19 |

| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-------------------------|-------------|-----------|-----------|------------|------------|----------|-----|--------|------------|
| Benzo (a) Anthracene | 100.0 | 64.12 | 64 | 64.13 | 64 | 40-160 | 0 | 0-20 | |
| Benzo (a) Pyrene | 100.0 | 65.75 | 66 | 66.08 | 66 | 40-160 | 1 | 0-20 | |
| Chrysene | 100.0 | 62.24 | 62 | 61.89 | 62 | 40-160 | 1 | 0-20 | |
| Dibenz (a,h) Anthracene | 100.0 | 69.65 | 70 | 68.78 | 69 | 40-160 | 1 | 0-20 | |
| Fluoranthene | 100.0 | 67.49 | 67 | 68.27 | 68 | 40-160 | 1 | 0-20 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/21/15
 Work Order: 15-11-1661
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners

Project: San Diego Shipyards- North

Page 5 of 6

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|------|--------|------------|---------------|----------------|-----------------------|
| 099-16-418-183 | LCS | Solid | GC/MS HHH | 11/21/15 | 11/23/15 19:08 | 151121L20 |
| 099-16-418-183 | LCSD | Solid | GC/MS HHH | 11/21/15 | 11/23/15 19:33 | 151121L20 |

| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | ME CL | RPD | RPD CL | Qualifiers |
|-----------|-------------|-----------|-----------|------------|------------|----------|--------|-----|--------|------------|
| PCB018 | 50.00 | 36.41 | 73 | 33.76 | 68 | 50-150 | 33-167 | 8 | 0-25 | |
| PCB028 | 50.00 | 38.65 | 77 | 35.41 | 71 | 50-150 | 33-167 | 9 | 0-25 | |
| PCB044 | 50.00 | 35.81 | 72 | 33.57 | 67 | 50-150 | 33-167 | 6 | 0-25 | |
| PCB052 | 50.00 | 33.66 | 67 | 30.71 | 61 | 50-150 | 33-167 | 9 | 0-25 | |
| PCB066 | 50.00 | 40.60 | 81 | 38.07 | 76 | 50-150 | 33-167 | 6 | 0-25 | |
| PCB077 | 50.00 | 37.33 | 75 | 34.89 | 70 | 50-150 | 33-167 | 7 | 0-25 | |
| PCB101 | 50.00 | 35.08 | 70 | 32.74 | 65 | 50-150 | 33-167 | 7 | 0-25 | |
| PCB105 | 50.00 | 37.59 | 75 | 34.86 | 70 | 50-150 | 33-167 | 8 | 0-25 | |
| PCB118 | 50.00 | 39.40 | 79 | 37.24 | 74 | 50-150 | 33-167 | 6 | 0-25 | |
| PCB126 | 50.00 | 37.65 | 75 | 34.76 | 70 | 50-150 | 33-167 | 8 | 0-25 | |
| PCB128 | 50.00 | 36.78 | 74 | 33.29 | 67 | 50-150 | 33-167 | 10 | 0-25 | |
| PCB170 | 50.00 | 36.14 | 72 | 32.20 | 64 | 50-150 | 33-167 | 12 | 0-25 | |
| PCB180 | 50.00 | 37.42 | 75 | 34.07 | 68 | 50-150 | 33-167 | 9 | 0-25 | |
| PCB187 | 50.00 | 33.25 | 66 | 30.77 | 62 | 50-150 | 33-167 | 8 | 0-25 | |
| PCB206 | 50.00 | 32.07 | 64 | 28.55 | 57 | 50-150 | 33-167 | 12 | 0-25 | |

Total number of LCS compounds: 15
 Total number of ME compounds: 0
 Total number of ME compounds allowed: 1
 LCS ME CL validation result: Pass

Return to Contents

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/21/15
 Work Order: 15-11-1661
 Preparation: EPA 3550B (M)
 Method: Organotins by Krone et al.

Project: San Diego Shipyards- North

Page 6 of 6

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|------|--------|------------|---------------|----------------|-----------------------|
| 099-07-016-1336 | LCS | Solid | GC/MS Y | 11/21/15 | 11/23/15 17:42 | 151121L18 |
| 099-07-016-1336 | LCSD | Solid | GC/MS Y | 11/21/15 | 11/23/15 17:58 | 151121L18 |

| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-------------|-------------|-----------|-----------|------------|------------|----------|-----|--------|------------|
| Tributyltin | 100.0 | 63.89 | 64 | 68.65 | 69 | 33-147 | 7 | 0-20 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

| <u>Qualifiers</u> | <u>Definition</u> |
|-------------------|---|
| * | See applicable analysis comment. |
| < | Less than the indicated value. |
| > | Greater than the indicated value. |
| 1 | Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification. |
| 2 | Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification. |
| 3 | Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control. |
| 4 | The MS/MSD RPD was out of control due to suspected matrix interference. |
| 5 | The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference. |
| 6 | Surrogate recovery below the acceptance limit. |
| 7 | Surrogate recovery above the acceptance limit. |
| B | Analyte was present in the associated method blank. |
| BU | Sample analyzed after holding time expired. |
| BV | Sample received after holding time expired. |
| CI | See case narrative. |
| E | Concentration exceeds the calibration range. |
| ET | Sample was extracted past end of recommended max. holding time. |
| HD | The chromatographic pattern was inconsistent with the profile of the reference fuel standard. |
| HDH | The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected). |
| HDL | The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected). |
| J | Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated. |
| JA | Analyte positively identified but quantitation is an estimate. |
| ME | LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean). |
| ND | Parameter not detected at the indicated reporting limit. |
| Q | Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater. |
| SG | The sample extract was subjected to Silica Gel treatment prior to analysis. |
| X | % Recovery and/or RPD out-of-range. |
| Z | Analyte presence was not confirmed by second column or GC/MS analysis. |
| | Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis. |
| | Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time. |
| | A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations. |

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: Anchor

DATE: 11/21/2015

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)
 Thermometer ID: SC2 (CF:-0.4°C); Temperature (w/o CF): 4.0 °C (w/ CF): 3.6 °C; Blank Sample
 Sample(s) outside temperature criteria (PM/APM contacted by: _____)
 Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling
 Sample(s) received at ambient temperature; placed on ice for transport by courier
 Ambient Temperature: Air Filter
 Checked by: SR

CUSTODY SEAL:
 Cooler Present and Intact Present but Not Intact Not Present N/A
 Sample(s) Present and Intact Present but Not Intact Not Present N/A
 Checked by: SR
 Checked by: 1050

| SAMPLE CONDITION: | Yes | No | N/A |
|--|-------------------------------------|--------------------------|-------------------------------------|
| Chain-of-Custody (COC) document(s) received with samples | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| COC document(s) received complete | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> Sampling date <input type="checkbox"/> Sampling time <input type="checkbox"/> Matrix <input type="checkbox"/> Number of containers | | | |
| <input type="checkbox"/> No analysis requested <input type="checkbox"/> Not relinquished <input type="checkbox"/> No relinquished date <input type="checkbox"/> No relinquished time | | | |
| Sampler's name indicated on COC | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Sample container label(s) consistent with COC | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Sample container(s) intact and in good condition | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Proper containers for analyses requested | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Sufficient volume/mass for analyses requested | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Samples received within holding time | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Aqueous samples for certain analyses received within 15-minute holding time | | | |
| <input type="checkbox"/> pH <input type="checkbox"/> Residual Chlorine <input type="checkbox"/> Dissolved Sulfide <input type="checkbox"/> Dissolved Oxygen | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Proper preservation chemical(s) noted on COC and/or sample container | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Unpreserved aqueous sample(s) received for certain analyses | | | |
| <input type="checkbox"/> Volatile Organics <input type="checkbox"/> Total Metals <input type="checkbox"/> Dissolved Metals | | | |
| Container(s) for certain analysis free of headspace | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input type="checkbox"/> Volatile Organics <input type="checkbox"/> Dissolved Gases (RSK-175) <input type="checkbox"/> Dissolved Oxygen (SM 4500) | | | |
| <input type="checkbox"/> Carbon Dioxide (SM 4500) <input type="checkbox"/> Ferrous Iron (SM 3500) <input type="checkbox"/> Hydrogen Sulfide (Hach) | | | |
| Tedlar™ bag(s) free of condensation | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

CONTAINER TYPE: (Trip Blank Lot Number: _____)
 Aqueous: VOA VOA_h VOAn₂ 100PJ 100PJna₂ 125AGB 125AGB_h 125AGB_p 125PB
 125PBz_{na} 250AGB 250CGB 250CGB_s 250PB 250PB_n 500AGB 500AGJ 500AGJ_s
 500PB 1AGB 1AGBna₂ 1AGB_s 1PB 1PBna _____ _____ _____
 Solid: 4ozCGJ 8ozCGJ 16ozCGJ Sleeve (_____) EnCores® (_____) TerraCores® (_____) _____
 Air: Tedlar™ Canister Sorbent Tube PUF _____ Other Matrix (____): _____ _____
 Container: A = Amber, B = Bottle, C = Clear, E = Envelope, G = Glass, J = Jar, P = Plastic, and Z = Ziploc/Resealable Bag
 Preservative: b = buffered, f = filtered, h = HCl, n = HNO₃, na = NaOH, na₂ = Na₂S₂O₃, p = H₃PO₄, Labeled/Checked by: 1050
 s = H₂SO₄, u = ultra-pure, z_{na} = Zn(CH₃CO₂)₂ + NaOH Reviewed by: SR

Nicole Scott

From: Cindy Fields <cfields@anchorage.com>
Sent: Wednesday, November 25, 2015 11:06 AM
To: Nicole Scott
Subject: RE: North Shipyard - Post-Dredge Confirmation Sampling 11/21

Could you have the lab re-extract, then rerun?

From: Nicole Scott [mailto:NicoleScott@eurofinsUS.com]
Sent: Wednesday, November 25, 2015 10:58 AM
To: Cindy Fields <cfields@anchorage.com>; Michele Castro <MicheleCastro@eurofinsUS.com>
Cc: Carla Hollowell <CarlaHollowell@eurofinsUS.com>
Subject: RE: North Shipyard - Post-Dredge Confirmation Sampling 11/21

Hi Cindy,

I can help with this. I will look back at the data and sample prep records. If nothing seems out of the ordinary, I can have the lab rerun the samples for copper, as suggested. I will get back to you later this afternoon with an update.

Thanks,
Nicole Scott
Project Manager Assistant

Eurofins Calscience, Inc.
Phone: +1 714 895 5494

From: Cindy Fields [mailto:cfields@anchorage.com]
Sent: Wednesday, November 25, 2015 10:48 AM
To: Michele Castro
Cc: Carla Hollowell; Nicole Scott
Subject: FW: North Shipyard - Post-Dredge Confirmation Sampling 11/21

Hi Michele,

I just left you a voicemail but thought I'd follow up here as well. We have a strange situation that I was hoping you might be able to help with.

We collected 2 post-dredge samples and submitted them for analysis (15-11-1661). Sample 05A came back over our limits and will require us to go back and redredge. Sample 05B came back all non-detect. The weird thing is that based on the observations in the field, we would expect 05A to come back clean (no odor or sheening) while 05B had a trace odor and was expected to be the elevated one.

I wondered if there was any way to retrace steps in the lab to confirm that samples were not switched at any point. I know this is easier said than done, and maybe the only way to really tell would be a reanalysis. Based on the data, I was wondering if there might be a way to re-extract and re-analyze one or both samples for at least one parameter...maybe copper? Since copper was detected at ~6 and ~66 ppb, if either of these were confirmed, then we could be pretty confident that samples were not switched. TBT might be another good parameter, since we got ND and 23 ppb.

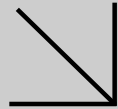
I just don't want us to send our crew out to re-dredge the wrong area...We need to make a decision on what area to re-dredge by Tuesday.



Environmental
Calscience

Supplemental Report 1

The original report has been revised/corrected.



WORK ORDER NUMBER: 15-11-2003

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: ANCHOR QEA, LLC

Client Project Name: San Diego Shipyard North 131002-01.03

Attention: Kyle King
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Approved for release on 02/02/2016 by:
Carla Hollowell
Project Manager

ResultLink ▶

Email your PM ▶



Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

Client Project Name: San Diego Shipyard North 131002-01.03

Work Order Number: 15-11-2003

| | | |
|---|--|----|
| 1 | Work Order Narrative. | 3 |
| 2 | Sample Summary. | 4 |
| 3 | Client Sample Data. | 5 |
| | 3.1 SM 2540 B (M) Total Solids (Solid). | 5 |
| | 3.2 EPA 6020 ICP/MS Metals (Solid). | 6 |
| | 3.3 EPA 7471A Mercury (Solid). | 7 |
| | 3.4 EPA 8270C SIM PAHs (Solid). | 8 |
| | 3.5 EPA 8270C SIM PCB Congeners (Solid). | 9 |
| | 3.6 Krone et al. Organotins (Solid). | 13 |
| 4 | Quality Control Sample Data. | 14 |
| | 4.1 MS/MSD. | 14 |
| | 4.2 PDS/PDSD. | 19 |
| | 4.3 Sample Duplicate. | 20 |
| | 4.4 LCS/LCSD. | 21 |
| 5 | Glossary of Terms and Qualifiers. | 26 |
| 6 | Chain-of-Custody/Sample Receipt Form. | 27 |

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 11/25/15. They were assigned to Work Order 15-11-2003.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of ≤ 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

Sample Summary

| | | |
|------------------------------|-----------------------|---------------------------------------|
| Client: ANCHOR QEA, LLC | Work Order: | 15-11-2003 |
| 27201 Puerta Real, Suite 350 | Project Name: | San Diego Shipyard North 131002-01.03 |
| Mission Viejo, CA 92691-8306 | PO Number: | |
| | Date/Time Received: | 11/25/15 18:55 |
| | Number of Containers: | 2 |

Attn: Kyle King

| Sample Identification | Lab Number | Collection Date and Time | Number of Containers | Matrix |
|-------------------------|--------------|--------------------------|----------------------|----------|
| SD-N-C-20-D-0535-151125 | 15-11-2003-2 | 11/25/15 13:10 | 1 | Sediment |


[Return to Contents](#)

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/25/15
 Work Order: 15-11-2003
 Preparation: N/A
 Method: SM 2540 B (M)
 Units: %

Project: San Diego Shipyard North 131002-01.03

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-20-D-0535-151125 | 15-11-2003-2-A | 11/25/15 13:10 | Sediment | N/A | 11/28/15 | 11/30/15 11:00 | F1130TSB1 |

| Parameter | Result | RL | DF | Qualifiers |
|---------------|--------|-------|------|------------|
| Solids, Total | 86.5 | 0.100 | 1.00 | |

| Method Blank | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-05-019-3139 | N/A | Solid | N/A | 11/28/15 | 11/30/15 11:00 | F1130TSB1 |

| Parameter | Result | RL | DF | Qualifiers |
|---------------|--------|-------|------|------------|
| Solids, Total | ND | 0.100 | 1.00 | |

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/25/15
 Work Order: 15-11-2003
 Preparation: EPA 3050B
 Method: EPA 6020
 Units: mg/kg

Project: San Diego Shipyard North 131002-01.03

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-20-D-0535-151125 | 15-11-2003-2-AA | 11/25/15 13:10 | Sediment | ICP/MS 03 | 11/25/15 | 11/30/15 13:38 | 151125L01E |

Comment(s):
 - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|-------|--------|------|------------|
| Copper | 3.92 | 0.116 | 0.0485 | 1.00 | |

| | | | | | | | |
|--------------|----------------|-----|-------|-----------|----------|-------------------|------------|
| Method Blank | 099-15-254-375 | N/A | Solid | ICP/MS 03 | 11/25/15 | 11/30/15 12:52 | 151125L01E |
|--------------|----------------|-----|-------|-----------|----------|-------------------|------------|

Comment(s):
 - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|-------|--------|------|------------|
| Copper | ND | 0.100 | 0.0419 | 1.00 | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/25/15
 Work Order: 15-11-2003
 Preparation: EPA 7471A Total
 Method: EPA 7471A
 Units: mg/kg

Project: San Diego Shipyard North 131002-01.03

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-20-D-0535-151125 | 15-11-2003-2-AA | 11/25/15 13:10 | Sediment | Mercury 05 | 11/30/15 | 11/30/15 16:07 | 151130L01E |

Comment(s):
 - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|--------|---------|------|------------|
| Mercury | 0.0108 | 0.0231 | 0.00679 | 1.00 | J |

| Method Blank | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-16-278-186 | N/A | Solid | Mercury 05 | 11/30/15 | 11/30/15 15:36 | 151130L01E |

Comment(s):
 - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|--------|---------|------|------------|
| Mercury | ND | 0.0200 | 0.00587 | 1.00 | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/25/15
 Work Order: 15-11-2003
 Preparation: EPA 3541
 Method: EPA 8270C SIM PAHs
 Units: ug/kg

Project: San Diego Shipyard North 131002-01.03

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-20-D-0535-151125 | 15-11-2003-2-AA | 11/25/15 13:10 | Sediment | GC/MS AAA | 11/25/15 | 11/30/15 13:07 | 151125L19 |

Comment(s): - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-------------------------|--------|----|-----|------|------------|
| Benzo (a) Anthracene | ND | 12 | 2.5 | 1.00 | |
| Benzo (a) Pyrene | ND | 12 | 2.1 | 1.00 | |
| Chrysene | ND | 12 | 2.6 | 1.00 | |
| Dibenz (a,h) Anthracene | ND | 12 | 2.3 | 1.00 | |
| Fluoranthene | ND | 12 | 2.1 | 1.00 | |
| Perylene | ND | 12 | 2.8 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|------------------|----------|----------------|------------|
| 2-Fluorobiphenyl | 74 | 14-146 | |
| Nitrobenzene-d5 | 86 | 18-162 | |
| p-Terphenyl-d14 | 96 | 34-148 | |

| Method Blank | 099-14-097-190 | N/A | Solid | GC/MS AAA | 11/25/15 | 11/30/15 11:26 | 151125L19 |
|--------------|----------------|-----|-------|-----------|----------|----------------|-----------|
|--------------|----------------|-----|-------|-----------|----------|----------------|-----------|

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-------------------------|--------|----|-----|------|------------|
| Benzo (a) Anthracene | ND | 10 | 2.2 | 1.00 | |
| Benzo (a) Pyrene | ND | 10 | 1.8 | 1.00 | |
| Chrysene | ND | 10 | 2.2 | 1.00 | |
| Dibenz (a,h) Anthracene | ND | 10 | 2.0 | 1.00 | |
| Fluoranthene | ND | 10 | 1.8 | 1.00 | |
| Perylene | ND | 10 | 2.4 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|------------------|----------|----------------|------------|
| 2-Fluorobiphenyl | 73 | 14-146 | |
| Nitrobenzene-d5 | 82 | 18-162 | |
| p-Terphenyl-d14 | 85 | 34-148 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/25/15
 Work Order: 15-11-2003
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyard North 131002-01.03

Page 1 of 4

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-20-D-0535-151125 | 15-11-2003-2-AA | 11/25/15 13:10 | Sediment | GC/MS HHH | 11/25/15 | 11/30/15 12:15 | 151125L20 |

Comment(s):
 - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|------------|--------|------|-------|------|------------|
| PCB018 | ND | 0.23 | 0.083 | 1.00 | |
| PCB028 | ND | 0.23 | 0.039 | 1.00 | |
| PCB037 | ND | 0.23 | 0.070 | 1.00 | |
| PCB044 | ND | 0.23 | 0.10 | 1.00 | |
| PCB049 | ND | 0.23 | 0.13 | 1.00 | |
| PCB052 | ND | 0.23 | 0.073 | 1.00 | |
| PCB066 | ND | 0.23 | 0.12 | 1.00 | |
| PCB070 | ND | 0.23 | 0.069 | 1.00 | |
| PCB074 | ND | 0.23 | 0.10 | 1.00 | |
| PCB077 | ND | 0.23 | 0.090 | 1.00 | |
| PCB081 | ND | 0.23 | 0.14 | 1.00 | |
| PCB087 | ND | 0.23 | 0.12 | 1.00 | |
| PCB099 | ND | 0.23 | 0.070 | 1.00 | |
| PCB101 | ND | 0.23 | 0.11 | 1.00 | |
| PCB105 | ND | 0.23 | 0.063 | 1.00 | |
| PCB110 | ND | 0.23 | 0.053 | 1.00 | |
| PCB114 | ND | 0.23 | 0.095 | 1.00 | |
| PCB118 | ND | 0.23 | 0.098 | 1.00 | |
| PCB119 | ND | 0.23 | 0.11 | 1.00 | |
| PCB123 | ND | 0.23 | 0.12 | 1.00 | |
| PCB126 | ND | 0.23 | 0.093 | 1.00 | |
| PCB128 | ND | 0.23 | 0.12 | 1.00 | |
| PCB132/153 | ND | 0.46 | 0.20 | 1.00 | |
| PCB138/158 | ND | 0.46 | 0.11 | 1.00 | |
| PCB149 | ND | 0.23 | 0.11 | 1.00 | |
| PCB151 | ND | 0.23 | 0.078 | 1.00 | |
| PCB156 | ND | 0.23 | 0.067 | 1.00 | |
| PCB157 | ND | 0.23 | 0.061 | 1.00 | |
| PCB167 | ND | 0.23 | 0.072 | 1.00 | |
| PCB168 | ND | 0.23 | 0.057 | 1.00 | |
| PCB169 | ND | 0.23 | 0.071 | 1.00 | |
| PCB170 | ND | 0.23 | 0.074 | 1.00 | |
| PCB177 | ND | 0.23 | 0.10 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/25/15
 Work Order: 15-11-2003
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyard North 131002-01.03

Page 2 of 4

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|-----------------|-----------------------|-------------------|-----------|-------------------|
| PCB180 | ND | 0.23 | 0.049 | 1.00 | |
| PCB183 | ND | 0.23 | 0.13 | 1.00 | |
| PCB187 | ND | 0.23 | 0.098 | 1.00 | |
| PCB189 | ND | 0.23 | 0.071 | 1.00 | |
| PCB194 | ND | 0.23 | 0.13 | 1.00 | |
| PCB201 | ND | 0.23 | 0.11 | 1.00 | |
| PCB206 | ND | 0.23 | 0.22 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | | |
| 2-Fluorobiphenyl | 101 | 50-150 | | | |
| p-Terphenyl-d14 | 91 | 50-150 | | | |

Return to Contents 

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/25/15
 Work Order: 15-11-2003
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyard North 131002-01.03

Page 3 of 4

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-16-418-185 | N/A | Solid | GC/MS HHH | 11/25/15 | 11/30/15 11:02 | 151125L20 |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|------------|--------|------|-------|------|------------|
| PCB018 | ND | 0.20 | 0.071 | 1.00 | |
| PCB028 | ND | 0.20 | 0.034 | 1.00 | |
| PCB037 | ND | 0.20 | 0.060 | 1.00 | |
| PCB044 | ND | 0.20 | 0.087 | 1.00 | |
| PCB049 | ND | 0.20 | 0.11 | 1.00 | |
| PCB052 | ND | 0.20 | 0.063 | 1.00 | |
| PCB066 | ND | 0.20 | 0.10 | 1.00 | |
| PCB070 | ND | 0.20 | 0.060 | 1.00 | |
| PCB074 | ND | 0.20 | 0.087 | 1.00 | |
| PCB077 | ND | 0.20 | 0.078 | 1.00 | |
| PCB081 | ND | 0.20 | 0.12 | 1.00 | |
| PCB087 | ND | 0.20 | 0.11 | 1.00 | |
| PCB099 | ND | 0.20 | 0.061 | 1.00 | |
| PCB101 | ND | 0.20 | 0.098 | 1.00 | |
| PCB105 | ND | 0.20 | 0.055 | 1.00 | |
| PCB110 | ND | 0.20 | 0.046 | 1.00 | |
| PCB114 | ND | 0.20 | 0.082 | 1.00 | |
| PCB118 | ND | 0.20 | 0.084 | 1.00 | |
| PCB119 | ND | 0.20 | 0.094 | 1.00 | |
| PCB123 | ND | 0.20 | 0.10 | 1.00 | |
| PCB126 | ND | 0.20 | 0.080 | 1.00 | |
| PCB128 | ND | 0.20 | 0.10 | 1.00 | |
| PCB132/153 | ND | 0.40 | 0.17 | 1.00 | |
| PCB138/158 | ND | 0.40 | 0.094 | 1.00 | |
| PCB149 | ND | 0.20 | 0.098 | 1.00 | |
| PCB151 | ND | 0.20 | 0.067 | 1.00 | |
| PCB156 | ND | 0.20 | 0.058 | 1.00 | |
| PCB157 | ND | 0.20 | 0.052 | 1.00 | |
| PCB167 | ND | 0.20 | 0.062 | 1.00 | |
| PCB168 | ND | 0.20 | 0.049 | 1.00 | |
| PCB169 | ND | 0.20 | 0.061 | 1.00 | |
| PCB170 | ND | 0.20 | 0.063 | 1.00 | |
| PCB177 | ND | 0.20 | 0.087 | 1.00 | |
| PCB180 | ND | 0.20 | 0.042 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/25/15
 Work Order: 15-11-2003
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyard North 131002-01.03

Page 4 of 4

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|-----------------|-----------------------|-------------------|-----------|-------------------|
| PCB183 | ND | 0.20 | 0.11 | 1.00 | |
| PCB187 | ND | 0.20 | 0.084 | 1.00 | |
| PCB189 | ND | 0.20 | 0.061 | 1.00 | |
| PCB194 | ND | 0.20 | 0.11 | 1.00 | |
| PCB201 | ND | 0.20 | 0.097 | 1.00 | |
| PCB206 | ND | 0.20 | 0.19 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | | |
| 2-Fluorobiphenyl | 93 | 50-150 | | | |
| p-Terphenyl-d14 | 96 | 50-150 | | | |

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/25/15
 Work Order: 15-11-2003
 Preparation: EPA 3550B (M)
 Method: Organotins by Krone et al.
 Units: ug/kg

Project: San Diego Shipyard North 131002-01.03

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-20-D-0535-151125 | 15-11-2003-2-AA | 11/25/15 13:10 | Sediment | GC/MS Y | 11/25/15 | 11/30/15 11:37 | 151125L21 |

Comment(s): - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-------------|--------|-----|-----|------|------------|
| Tributyltin | ND | 3.4 | 1.7 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|--------------|----------|----------------|------------|
| Tripentyltin | 100 | 27-135 | |

| Method Blank | 099-07-016-1337 | N/A | Solid | GC/MS Y | 11/25/15 | 11/30/15 10:49 | 151125L21 |
|--------------|-----------------|-----|-------|---------|----------|----------------|-----------|
|--------------|-----------------|-----|-------|---------|----------|----------------|-----------|

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-------------|--------|-----|-----|------|------------|
| Tributyltin | ND | 3.0 | 1.5 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|--------------|----------|----------------|------------|
| Tripentyltin | 110 | 27-135 | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/25/15
 Work Order: 15-11-2003
 Preparation: EPA 3050B
 Method: EPA 6020

Project: San Diego Shipyard North 131002-01.03

Page 1 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| 15-11-1661-4 | Sample | Sediment | ICP/MS 03 | 11/25/15 | 11/30/15 13:31 | 151125S01 |
| 15-11-1661-4 | Matrix Spike | Sediment | ICP/MS 03 | 11/25/15 | 11/30/15 13:03 | 151125S01 |
| 15-11-1661-4 | Matrix Spike Duplicate | Sediment | ICP/MS 03 | 11/25/15 | 11/30/15 13:06 | 151125S01 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Copper | 6.692 | 25.00 | 32.29 | 102 | 32.51 | 103 | 80-120 | 1 | 0-20 | |

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/25/15
 Work Order: 15-11-2003
 Preparation: EPA 7471A Total
 Method: EPA 7471A

Project: San Diego Shipyard North 131002-01.03

Page 2 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|--------|------------|---------------|----------------|---------------------|
| 15-11-1859-1 | Sample | Solid | Mercury 05 | 11/30/15 | 11/30/15 15:40 | 151130S01 |
| 15-11-1859-1 | Matrix Spike | Solid | Mercury 05 | 11/30/15 | 11/30/15 15:43 | 151130S01 |
| 15-11-1859-1 | Matrix Spike Duplicate | Solid | Mercury 05 | 11/30/15 | 11/30/15 15:45 | 151130S01 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Mercury | ND | 0.8350 | 0.9040 | 108 | 0.9321 | 112 | 71-137 | 3 | 0-14 | |

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/25/15
 Work Order: 15-11-2003
 Preparation: EPA 3541
 Method: EPA 8270C SIM PAHs

Project: San Diego Shipyard North 131002-01.03

Page 3 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-20-D-0535-151125 | Sample | Sediment | GC/MS AAA | 11/25/15 | 11/30/15 13:07 | 151125S19 |
| SD-N-C-20-D-0535-151125 | Matrix Spike | Sediment | GC/MS AAA | 11/25/15 | 11/30/15 12:27 | 151125S19 |
| SD-N-C-20-D-0535-151125 | Matrix Spike Duplicate | Sediment | GC/MS AAA | 11/25/15 | 11/30/15 12:47 | 151125S19 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-------------------------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Benzo (a) Anthracene | ND | 100.0 | 96.27 | 96 | 92.68 | 93 | 40-160 | 4 | 0-20 | |
| Benzo (a) Pyrene | ND | 100.0 | 106.3 | 106 | 105.8 | 106 | 40-160 | 0 | 0-20 | |
| Chrysene | ND | 100.0 | 89.09 | 89 | 86.62 | 87 | 40-160 | 3 | 0-20 | |
| Dibenz (a,h) Anthracene | ND | 100.0 | 96.03 | 96 | 98.17 | 98 | 40-160 | 2 | 0-20 | |
| Fluoranthene | ND | 100.0 | 95.07 | 95 | 92.49 | 92 | 40-160 | 3 | 0-20 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/25/15
 Work Order: 15-11-2003
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners

Project: San Diego Shipyard North 131002-01.03

Page 4 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-20-D-0535-151125 | Sample | Sediment | GC/MS HHH | 11/25/15 | 11/30/15 12:15 | 151125S20 |
| SD-N-C-20-D-0535-151125 | Matrix Spike | Sediment | GC/MS HHH | 11/25/15 | 11/30/15 12:39 | 151125S20 |
| SD-N-C-20-D-0535-151125 | Matrix Spike Duplicate | Sediment | GC/MS HHH | 11/25/15 | 11/30/15 13:03 | 151125S20 |

| <u>Parameter</u> | <u>Sample Conc.</u> | <u>Spike Added</u> | <u>MS Conc.</u> | <u>MS %Rec.</u> | <u>MSD Conc.</u> | <u>MSD %Rec.</u> | <u>%Rec. CL</u> | <u>RPD</u> | <u>RPD CL</u> | <u>Qualifiers</u> |
|------------------|---------------------|--------------------|-----------------|-----------------|------------------|------------------|-----------------|------------|---------------|-------------------|
| PCB018 | ND | 50.00 | 46.10 | 92 | 51.82 | 104 | 50-150 | 12 | 0-25 | |
| PCB028 | ND | 50.00 | 49.82 | 100 | 56.61 | 113 | 50-150 | 13 | 0-25 | |
| PCB044 | ND | 50.00 | 48.43 | 97 | 54.63 | 109 | 50-150 | 12 | 0-25 | |
| PCB052 | ND | 50.00 | 44.58 | 89 | 50.97 | 102 | 50-150 | 13 | 0-25 | |
| PCB066 | ND | 50.00 | 55.78 | 112 | 63.66 | 127 | 50-150 | 13 | 0-25 | |
| PCB077 | ND | 50.00 | 52.88 | 106 | 60.33 | 121 | 50-150 | 13 | 0-25 | |
| PCB101 | ND | 50.00 | 48.56 | 97 | 55.48 | 111 | 50-150 | 13 | 0-25 | |
| PCB105 | ND | 50.00 | 53.65 | 107 | 61.56 | 123 | 50-150 | 14 | 0-25 | |
| PCB118 | ND | 50.00 | 56.60 | 113 | 64.33 | 129 | 50-150 | 13 | 0-25 | |
| PCB126 | ND | 50.00 | 53.87 | 108 | 60.43 | 121 | 50-150 | 11 | 0-25 | |
| PCB128 | ND | 50.00 | 52.56 | 105 | 59.73 | 119 | 50-150 | 13 | 0-25 | |
| PCB170 | ND | 50.00 | 52.79 | 106 | 60.54 | 121 | 50-150 | 14 | 0-25 | |
| PCB180 | ND | 50.00 | 54.04 | 108 | 61.47 | 123 | 50-150 | 13 | 0-25 | |
| PCB187 | ND | 50.00 | 50.23 | 100 | 57.14 | 114 | 50-150 | 13 | 0-25 | |
| PCB206 | ND | 50.00 | 50.18 | 100 | 56.55 | 113 | 50-150 | 12 | 0-25 | |

Return to Contents 

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/25/15
 Work Order: 15-11-2003
 Preparation: EPA 3550B (M)
 Method: Organotins by Krone et al.

Project: San Diego Shipyard North 131002-01.03

Page 5 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-20-D-0535-151125 | Sample | Sediment | GC/MS Y | 11/25/15 | 11/30/15 11:37 | 151125S21 |
| SD-N-C-20-D-0535-151125 | Matrix Spike | Sediment | GC/MS Y | 11/25/15 | 11/30/15 11:52 | 151125S21 |
| SD-N-C-20-D-0535-151125 | Matrix Spike Duplicate | Sediment | GC/MS Y | 11/25/15 | 11/30/15 12:08 | 151125S21 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-------------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Tributyltin | ND | 100.0 | 73.27 | 73 | 72.39 | 72 | 34-142 | 1 | 0-50 | |

Quality Control - PDS

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/25/15
 Work Order: 15-11-2003
 Preparation: EPA 3050B
 Method: EPA 6020

Project: San Diego Shipyard North 131002-01.03

Page 1 of 1

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | PDS/PDSD Batch Number |
|---------------------------|--------|----------|------------|----------------|----------------|-----------------------|
| 15-11-1661-4 | Sample | Sediment | ICP/MS 03 | 11/25/15 00:00 | 11/30/15 13:31 | 151125S01 |
| 15-11-1661-4 | PDS | Sediment | ICP/MS 03 | 11/25/15 00:00 | 11/30/15 13:10 | 151125S01 |

| Parameter | Sample Conc. | Spike Added | PDS Conc. | PDS %Rec. | %Rec. CL | Qualifiers |
|-----------|--------------|-------------|-----------|-----------|----------|------------|
| Copper | 6.692 | 25.00 | 31.21 | 98 | 75-125 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - Sample Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/25/15
 Work Order: 15-11-2003
 Preparation: N/A
 Method: SM 2540 B (M)

Project: San Diego Shipyard North 131002-01.03

Page 1 of 1

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | Duplicate Batch Number |
|---------------------------|------------------|----------|------------|----------------|----------------|------------------------|
| SD-N-C-20-D-0535-151125 | Sample | Sediment | N/A | 11/28/15 00:00 | 11/30/15 11:00 | F1130TSD1 |
| SD-N-C-20-D-0535-151125 | Sample Duplicate | Sediment | N/A | 11/28/15 00:00 | 11/30/15 11:00 | F1130TSD1 |

| Parameter | Sample Conc. | DUP Conc. | RPD | RPD CL | Qualifiers |
|---------------|--------------|-----------|-----|--------|------------|
| Solids, Total | 86.50 | 86.30 | 0 | 0-10 | |

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/25/15
 Work Order: 15-11-2003
 Preparation: EPA 3050B
 Method: EPA 6020

Project: San Diego Shipyard North 131002-01.03

Page 1 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|------|--------|------------|---------------|----------------|-----------------------|
| 099-15-254-375 | LCS | Solid | ICP/MS 03 | 11/25/15 | 11/30/15 12:56 | 151125L01E |
| 099-15-254-375 | LCSD | Solid | ICP/MS 03 | 11/25/15 | 11/30/15 12:59 | 151125L01E |

| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|-------------|-----------|-----------|------------|------------|----------|-----|--------|------------|
| Copper | 25.00 | 25.64 | 103 | 25.75 | 103 | 80-120 | 0 | 0-20 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/25/15
 Work Order: 15-11-2003
 Preparation: EPA 7471A Total
 Method: EPA 7471A

Project: San Diego Shipyard North 131002-01.03

Page 2 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|------|--------|------------|---------------|----------------|-----------------------|
| 099-16-278-186 | LCS | Solid | Mercury 05 | 11/30/15 | 11/30/15 15:38 | 151130L01E |
| 099-16-278-186 | LCSD | Solid | Mercury 05 | 11/30/15 | 11/30/15 16:14 | 151130L01E |

| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|-------------|-----------|-----------|------------|------------|----------|-----|--------|------------|
| Mercury | 0.8350 | 0.8637 | 103 | 0.8230 | 99 | 82-124 | 5 | 0-16 | |

Return to Contents 

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/25/15
 Work Order: 15-11-2003
 Preparation: EPA 3541
 Method: EPA 8270C SIM PAHs

Project: San Diego Shipyard North 131002-01.03

Page 3 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|-------------|--------------|------------------|-----------------|-----------------------|-----------------------|
| 099-14-097-190 | LCS | Solid | GC/MS AAA | 11/25/15 | 11/30/15 11:46 | 151125L19 |
| 099-14-097-190 | LCSD | Solid | GC/MS AAA | 11/25/15 | 11/30/15 12:06 | 151125L19 |

| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-------------------------|-------------|-----------|-----------|------------|------------|----------|-----|--------|------------|
| Benzo (a) Anthracene | 100.0 | 77.18 | 77 | 81.56 | 82 | 40-160 | 6 | 0-20 | |
| Benzo (a) Pyrene | 100.0 | 86.60 | 87 | 90.80 | 91 | 40-160 | 5 | 0-20 | |
| Chrysene | 100.0 | 74.27 | 74 | 76.70 | 77 | 40-160 | 3 | 0-20 | |
| Dibenz (a,h) Anthracene | 100.0 | 85.84 | 86 | 89.76 | 90 | 40-160 | 4 | 0-20 | |
| Fluoranthene | 100.0 | 76.38 | 76 | 80.12 | 80 | 40-160 | 5 | 0-20 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/25/15
 Work Order: 15-11-2003
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners

Project: San Diego Shipyard North 131002-01.03

Page 4 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number | | | | |
|---------------------------|-------------|-----------|------------|---------------|----------------|-----------------------|--------|-----|--------|------------|
| 099-16-418-185 | LCS | Solid | GC/MS HHH | 11/25/15 | 11/30/15 11:28 | 151125L20 | | | | |
| 099-16-418-185 | LCSD | Solid | GC/MS HHH | 11/25/15 | 11/30/15 11:52 | 151125L20 | | | | |
| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | ME CL | RPD | RPD CL | Qualifiers |
| PCB018 | 50.00 | 46.21 | 92 | 44.48 | 89 | 50-150 | 33-167 | 4 | 0-25 | |
| PCB028 | 50.00 | 48.73 | 97 | 46.82 | 94 | 50-150 | 33-167 | 4 | 0-25 | |
| PCB044 | 50.00 | 46.51 | 93 | 44.61 | 89 | 50-150 | 33-167 | 4 | 0-25 | |
| PCB052 | 50.00 | 43.27 | 87 | 41.86 | 84 | 50-150 | 33-167 | 3 | 0-25 | |
| PCB066 | 50.00 | 53.66 | 107 | 52.50 | 105 | 50-150 | 33-167 | 2 | 0-25 | |
| PCB077 | 50.00 | 50.24 | 100 | 48.91 | 98 | 50-150 | 33-167 | 3 | 0-25 | |
| PCB101 | 50.00 | 46.80 | 94 | 45.32 | 91 | 50-150 | 33-167 | 3 | 0-25 | |
| PCB105 | 50.00 | 50.70 | 101 | 48.98 | 98 | 50-150 | 33-167 | 3 | 0-25 | |
| PCB118 | 50.00 | 53.89 | 108 | 51.70 | 103 | 50-150 | 33-167 | 4 | 0-25 | |
| PCB126 | 50.00 | 50.71 | 101 | 48.55 | 97 | 50-150 | 33-167 | 4 | 0-25 | |
| PCB128 | 50.00 | 49.66 | 99 | 48.47 | 97 | 50-150 | 33-167 | 2 | 0-25 | |
| PCB170 | 50.00 | 47.99 | 96 | 48.53 | 97 | 50-150 | 33-167 | 1 | 0-25 | |
| PCB180 | 50.00 | 50.48 | 101 | 49.80 | 100 | 50-150 | 33-167 | 1 | 0-25 | |
| PCB187 | 50.00 | 47.44 | 95 | 46.65 | 93 | 50-150 | 33-167 | 2 | 0-25 | |
| PCB206 | 50.00 | 44.20 | 88 | 44.86 | 90 | 50-150 | 33-167 | 1 | 0-25 | |

Total number of LCS compounds: 15
 Total number of ME compounds: 0
 Total number of ME compounds allowed: 1
 LCS ME CL validation result: Pass

Return to Contents

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/25/15
 Work Order: 15-11-2003
 Preparation: EPA 3550B (M)
 Method: Organotins by Krone et al.

Project: San Diego Shipyard North 131002-01.03

Page 5 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|------|--------|------------|---------------|----------------|-----------------------|
| 099-07-016-1337 | LCS | Solid | GC/MS Y | 11/25/15 | 11/30/15 11:05 | 151125L21 |
| 099-07-016-1337 | LCSD | Solid | GC/MS Y | 11/25/15 | 11/30/15 11:21 | 151125L21 |

| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-------------|-------------|-----------|-----------|------------|------------|----------|-----|--------|------------|
| Tributyltin | 100.0 | 70.36 | 70 | 76.73 | 77 | 33-147 | 9 | 0-20 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

| <u>Qualifiers</u> | <u>Definition</u> |
|-------------------|---|
| * | See applicable analysis comment. |
| < | Less than the indicated value. |
| > | Greater than the indicated value. |
| 1 | Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification. |
| 2 | Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification. |
| 3 | Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control. |
| 4 | The MS/MSD RPD was out of control due to suspected matrix interference. |
| 5 | The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference. |
| 6 | Surrogate recovery below the acceptance limit. |
| 7 | Surrogate recovery above the acceptance limit. |
| B | Analyte was present in the associated method blank. |
| BU | Sample analyzed after holding time expired. |
| BV | Sample received after holding time expired. |
| CI | See case narrative. |
| E | Concentration exceeds the calibration range. |
| ET | Sample was extracted past end of recommended max. holding time. |
| HD | The chromatographic pattern was inconsistent with the profile of the reference fuel standard. |
| HDH | The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected). |
| HDL | The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected). |
| J | Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated. |
| JA | Analyte positively identified but quantitation is an estimate. |
| ME | LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean). |
| ND | Parameter not detected at the indicated reporting limit. |
| Q | Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater. |
| SG | The sample extract was subjected to Silica Gel treatment prior to analysis. |
| X | % Recovery and/or RPD out-of-range. |
| Z | Analyte presence was not confirmed by second column or GC/MS analysis. |
| | Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis. |
| | Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time. |
| | A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations. |

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: ANCHOR QEA

DATE: 11/25/2015

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC2 (CF:-0.4°C); Temperature (w/o CF): 3.1 °C (w/ CF): 2.7 °C; Blank Sample

Sample(s) outside temperature criteria (PM/APM contacted by: _____)

Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: Air Filter

Checked by: 671

CUSTODY SEAL:

Cooler Present and Intact Present but Not Intact Not Present N/A

Sample(s) Present and Intact Present but Not Intact Not Present N/A

Checked by: 671
Checked by: 1054

SAMPLE CONDITION:

| | Yes | No | N/A |
|---|-------------------------------------|-------------------------------------|-------------------------------------|
| Chain-of-Custody (COC) document(s) received with samples | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| COC document(s) received complete | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> Sampling date <input checked="" type="checkbox"/> Sampling time <input checked="" type="checkbox"/> Matrix* <input type="checkbox"/> Number of containers | | | |
| <input type="checkbox"/> No analysis requested <input type="checkbox"/> Not relinquished <input type="checkbox"/> No relinquished date <input type="checkbox"/> No relinquished time | | | |
| Sampler's name indicated on COC | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Sample container label(s) consistent with COC | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Sample container(s) intact and in good condition | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Proper containers for analyses requested | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Sufficient volume/mass for analyses requested | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Samples received within holding time | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Aqueous samples for certain analyses received within 15-minute holding time | | | |
| <input type="checkbox"/> pH <input type="checkbox"/> Residual Chlorine <input type="checkbox"/> Dissolved Sulfide <input type="checkbox"/> Dissolved Oxygen | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Proper preservation chemical(s) noted on COC and/or sample container | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Unpreserved aqueous sample(s) received for certain analyses | | | |
| <input type="checkbox"/> Volatile Organics <input type="checkbox"/> Total Metals <input type="checkbox"/> Dissolved Metals | | | |
| Container(s) for certain analysis free of headspace | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input type="checkbox"/> Volatile Organics <input type="checkbox"/> Dissolved Gases (RSK-175) <input type="checkbox"/> Dissolved Oxygen (SM 4500) | | | |
| <input type="checkbox"/> Carbon Dioxide (SM 4500) <input type="checkbox"/> Ferrous Iron (SM 3500) <input type="checkbox"/> Hydrogen Sulfide (Hach) | | | |
| Tedlar™ bag(s) free of condensation | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

CONTAINER TYPE: (Trip Blank Lot Number: _____)

Aqueous: VOA VOA_h VOA_{na2} 100PJ 100PJ_{na2} 125AGB 125AGB_h 125AGB_p 125PB

125PB_z 250AGB 250CGB 250CGB_s 250PB 250PB_n 500AGB 500AG_J 500AG_J_s

500PB 1AGB 1AGB_{na2} 1AGB_s 1PB 1PB_{na} _____ _____ _____ _____

Solid: 4ozCGJ 8ozCGJ 16ozCGJ Sleeve (_____) EnCores® (_____) TerraCores® (_____) _____

Air: Tedlar™ Canister Sorbent Tube PUF _____ **Other Matrix** (_____) _____ _____

Container: A = Amber, B = Bottle, C = Clear, E = Envelope, G = Glass, J = Jar, P = Plastic, and Z = Ziploc/Resealable Bag

Preservative: b = buffered, f = filtered, h = HCl, n = HNO₃, na = NaOH, na₂ = Na₂S₂O₃, p = H₃PO₄, Labeled/Checked by: 1054

s = H₂SO₄, u = ultra-pure, z_{na} = Zn(CH₃CO₂)₂ + NaOH Reviewed by: 681





Environmental
Calscience

Supplemental Report 2

The original report has been revised/corrected.



WORK ORDER NUMBER: 15-12-0180

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: ANCHOR QEA, LLC

Client Project Name: San Diego Shipyards- North

Attention: Adam Gale
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Approved for release on 02/02/2016 by:
Carla Hollowell
Project Manager

ResultLink ▶

Email your PM ▶



Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

Client Project Name: San Diego Shipyards- North
Work Order Number: 15-12-0180

| | | |
|---|--|----|
| 1 | Work Order Narrative. | 3 |
| 2 | Sample Summary. | 4 |
| 3 | Client Sample Data. | 5 |
| | 3.1 SM 2540 B (M) Total Solids (Solid). | 5 |
| | 3.2 EPA 6020 ICP/MS Metals (Solid). | 6 |
| | 3.3 EPA 7471A Mercury (Solid). | 7 |
| | 3.4 EPA 8270C SIM PAHs (Solid). | 8 |
| | 3.5 EPA 8270C SIM PCB Congeners (Solid). | 9 |
| | 3.6 Krone et al. Organotins (Solid). | 13 |
| 4 | Quality Control Sample Data. | 14 |
| | 4.1 MS/MSD. | 14 |
| | 4.2 PDS/PDSD. | 19 |
| | 4.3 Sample Duplicate. | 20 |
| | 4.4 LCS/LCSD. | 21 |
| 5 | Glossary of Terms and Qualifiers. | 26 |
| 6 | Chain-of-Custody/Sample Receipt Form. | 27 |

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 12/02/15. They were assigned to Work Order 15-12-0180.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of ≤ 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

Sample Summary

| | |
|------------------------------|--|
| Client: ANCHOR QEA, LLC | Work Order: 15-12-0180 |
| 27201 Puerta Real, Suite 350 | Project Name: San Diego Shipyards- North |
| Mission Viejo, CA 92691-8306 | PO Number: |
| | Date/Time Received: 12/02/15 19:10 |
| | Number of Containers: 2 |

Attn: Adam Gale

| Sample Identification | Lab Number | Collection Date and Time | Number of Containers | Matrix |
|-------------------------|--------------|--------------------------|----------------------|----------|
| SD-N-C-5A-D-0535-151202 | 15-12-0180-2 | 12/02/15 14:00 | 1 | Sediment |

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 12/02/15
 Work Order: 15-12-0180
 Preparation: N/A
 Method: SM 2540 B (M)
 Units: %

Project: San Diego Shipyards- North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-5A-D-0535-151202 | 15-12-0180-2-AA | 12/02/15 14:00 | Sediment | N/A | 12/03/15 | 12/03/15 16:30 | F1203TSB1 |

| Parameter | Result | RL | DF | Qualifiers |
|---------------|--------|-------|------|------------|
| Solids, Total | 82.0 | 0.100 | 1.00 | |

| Method Blank | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-05-019-3143 | N/A | Solid | N/A | 12/03/15 | 12/03/15 16:30 | F1203TSB1 |

| Parameter | Result | RL | DF | Qualifiers |
|---------------|--------|-------|------|------------|
| Solids, Total | ND | 0.100 | 1.00 | |

Return to Contents 

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 12/02/15
 Work Order: 15-12-0180
 Preparation: EPA 3050B
 Method: EPA 6020
 Units: mg/kg

Project: San Diego Shipyards- North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-5A-D-0535-151202 | 15-12-0180-2-AA | 12/02/15 14:00 | Sediment | ICP/MS 03 | 12/02/15 | 12/03/15 12:23 | 151202L01E |

Comment(s): - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|-------|--------|------|------------|
| Copper | 12.5 | 0.122 | 0.0511 | 1.00 | |

| Method Blank | 099-15-254-376 | N/A | Solid | ICP/MS 03 | 12/02/15 | 12/03/15 11:45 | 151202L01E |
|--------------|----------------|-----|-------|-----------|----------|----------------|------------|
|--------------|----------------|-----|-------|-----------|----------|----------------|------------|

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|-------|--------|------|------------|
| Copper | ND | 0.100 | 0.0419 | 1.00 | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 12/02/15
 Work Order: 15-12-0180
 Preparation: EPA 7471A Total
 Method: EPA 7471A
 Units: mg/kg

Project: San Diego Shipyards- North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-5A-D-0535-151202 | 15-12-0180-2-AA | 12/02/15 14:00 | Sediment | Mercury 05 | 12/03/15 | 12/03/15 15:09 | 151203L02E |

Comment(s): - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|--------|---------|------|------------|
| Mercury | 0.0111 | 0.0244 | 0.00716 | 1.00 | J |

| Method Blank | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-16-278-188 | N/A | Solid | Mercury 05 | 12/03/15 | 12/03/15 15:05 | 151203L02E |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|--------|---------|------|------------|
| Mercury | ND | 0.0200 | 0.00587 | 1.00 | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 12/02/15
 Work Order: 15-12-0180
 Preparation: EPA 3541
 Method: EPA 8270C SIM PAHs
 Units: ug/kg

Project: San Diego Shipyards- North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-5A-D-0535-151202 | 15-12-0180-2-AA | 12/02/15 14:00 | Sediment | GC/MS AAA | 12/02/15 | 12/03/15 11:12 | 151202L12 |

Comment(s): - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-------------------------|--------|----|-----|------|------------|
| Benzo (a) Anthracene | ND | 12 | 2.6 | 1.00 | |
| Benzo (a) Pyrene | ND | 12 | 2.2 | 1.00 | |
| Chrysene | ND | 12 | 2.7 | 1.00 | |
| Dibenz (a,h) Anthracene | ND | 12 | 2.4 | 1.00 | |
| Fluoranthene | 4.5 | 12 | 2.2 | 1.00 | J |
| Perylene | ND | 12 | 2.9 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|------------------|----------|----------------|------------|
| 2-Fluorobiphenyl | 74 | 14-146 | |
| Nitrobenzene-d5 | 86 | 18-162 | |
| p-Terphenyl-d14 | 92 | 34-148 | |

| Method Blank | 099-14-097-192 | N/A | Solid | GC/MS AAA | 12/02/15 | 12/03/15 16:35 | 151202L12 |
|--------------|----------------|-----|-------|-----------|----------|----------------|-----------|
|--------------|----------------|-----|-------|-----------|----------|----------------|-----------|

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-------------------------|--------|----|-----|------|------------|
| Benzo (a) Anthracene | ND | 10 | 2.2 | 1.00 | |
| Benzo (a) Pyrene | ND | 10 | 1.8 | 1.00 | |
| Chrysene | ND | 10 | 2.2 | 1.00 | |
| Dibenz (a,h) Anthracene | ND | 10 | 2.0 | 1.00 | |
| Fluoranthene | ND | 10 | 1.8 | 1.00 | |
| Perylene | ND | 10 | 2.4 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|------------------|----------|----------------|------------|
| 2-Fluorobiphenyl | 65 | 14-146 | |
| Nitrobenzene-d5 | 75 | 18-162 | |
| p-Terphenyl-d14 | 77 | 34-148 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 12/02/15
 Work Order: 15-12-0180
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyards- North

Page 1 of 4

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-5A-D-0535-151202 | 15-12-0180-2-AA | 12/02/15 14:00 | Sediment | GC/MS HHH | 12/02/15 | 12/03/15 13:24 | 151202L13 |

Comment(s):
 - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|------------|--------|------|-------|------|------------|
| PCB018 | ND | 0.25 | 0.087 | 1.00 | |
| PCB028 | ND | 0.25 | 0.041 | 1.00 | |
| PCB037 | ND | 0.25 | 0.074 | 1.00 | |
| PCB044 | ND | 0.25 | 0.11 | 1.00 | |
| PCB049 | ND | 0.25 | 0.14 | 1.00 | |
| PCB052 | ND | 0.25 | 0.077 | 1.00 | |
| PCB066 | ND | 0.25 | 0.13 | 1.00 | |
| PCB070 | ND | 0.25 | 0.073 | 1.00 | |
| PCB074 | ND | 0.25 | 0.11 | 1.00 | |
| PCB077 | ND | 0.25 | 0.095 | 1.00 | |
| PCB081 | ND | 0.25 | 0.15 | 1.00 | |
| PCB087 | ND | 0.25 | 0.13 | 1.00 | |
| PCB099 | ND | 0.25 | 0.074 | 1.00 | |
| PCB101 | ND | 0.25 | 0.12 | 1.00 | |
| PCB105 | ND | 0.25 | 0.067 | 1.00 | |
| PCB110 | ND | 0.25 | 0.056 | 1.00 | |
| PCB114 | ND | 0.25 | 0.10 | 1.00 | |
| PCB118 | ND | 0.25 | 0.10 | 1.00 | |
| PCB119 | ND | 0.25 | 0.12 | 1.00 | |
| PCB123 | ND | 0.25 | 0.13 | 1.00 | |
| PCB126 | ND | 0.25 | 0.098 | 1.00 | |
| PCB128 | ND | 0.25 | 0.13 | 1.00 | |
| PCB132/153 | ND | 0.49 | 0.21 | 1.00 | |
| PCB138/158 | ND | 0.49 | 0.12 | 1.00 | |
| PCB149 | ND | 0.25 | 0.12 | 1.00 | |
| PCB151 | ND | 0.25 | 0.082 | 1.00 | |
| PCB156 | ND | 0.25 | 0.071 | 1.00 | |
| PCB157 | ND | 0.25 | 0.064 | 1.00 | |
| PCB167 | ND | 0.25 | 0.076 | 1.00 | |
| PCB168 | ND | 0.25 | 0.060 | 1.00 | |
| PCB169 | ND | 0.25 | 0.075 | 1.00 | |
| PCB170 | ND | 0.25 | 0.078 | 1.00 | |
| PCB177 | ND | 0.25 | 0.11 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 12/02/15
 Work Order: 15-12-0180
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyards- North

Page 2 of 4

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|-----------------|-----------------------|-------------------|-----------|-------------------|
| PCB180 | ND | 0.25 | 0.052 | 1.00 | |
| PCB183 | ND | 0.25 | 0.14 | 1.00 | |
| PCB187 | ND | 0.25 | 0.10 | 1.00 | |
| PCB189 | ND | 0.25 | 0.075 | 1.00 | |
| PCB194 | ND | 0.25 | 0.14 | 1.00 | |
| PCB201 | ND | 0.25 | 0.12 | 1.00 | |
| PCB206 | ND | 0.25 | 0.24 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | | |
| 2-Fluorobiphenyl | 59 | 50-150 | | | |
| p-Terphenyl-d14 | 96 | 50-150 | | | |

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 12/02/15
 Work Order: 15-12-0180
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyards- North

Page 3 of 4

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-16-418-186 | N/A | Solid | GC/MS HHH | 12/02/15 | 12/03/15 17:17 | 151202L13 |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|------------|--------|------|-------|------|------------|
| PCB018 | ND | 0.20 | 0.071 | 1.00 | |
| PCB028 | ND | 0.20 | 0.034 | 1.00 | |
| PCB037 | ND | 0.20 | 0.060 | 1.00 | |
| PCB044 | ND | 0.20 | 0.087 | 1.00 | |
| PCB049 | ND | 0.20 | 0.11 | 1.00 | |
| PCB052 | ND | 0.20 | 0.063 | 1.00 | |
| PCB066 | ND | 0.20 | 0.10 | 1.00 | |
| PCB070 | ND | 0.20 | 0.060 | 1.00 | |
| PCB074 | ND | 0.20 | 0.087 | 1.00 | |
| PCB077 | ND | 0.20 | 0.078 | 1.00 | |
| PCB081 | ND | 0.20 | 0.12 | 1.00 | |
| PCB087 | ND | 0.20 | 0.11 | 1.00 | |
| PCB099 | ND | 0.20 | 0.061 | 1.00 | |
| PCB101 | ND | 0.20 | 0.098 | 1.00 | |
| PCB105 | ND | 0.20 | 0.055 | 1.00 | |
| PCB110 | ND | 0.20 | 0.046 | 1.00 | |
| PCB114 | ND | 0.20 | 0.082 | 1.00 | |
| PCB118 | ND | 0.20 | 0.084 | 1.00 | |
| PCB119 | ND | 0.20 | 0.094 | 1.00 | |
| PCB123 | ND | 0.20 | 0.10 | 1.00 | |
| PCB126 | ND | 0.20 | 0.080 | 1.00 | |
| PCB128 | ND | 0.20 | 0.10 | 1.00 | |
| PCB132/153 | ND | 0.40 | 0.17 | 1.00 | |
| PCB138/158 | ND | 0.40 | 0.094 | 1.00 | |
| PCB149 | ND | 0.20 | 0.098 | 1.00 | |
| PCB151 | ND | 0.20 | 0.067 | 1.00 | |
| PCB156 | ND | 0.20 | 0.058 | 1.00 | |
| PCB157 | ND | 0.20 | 0.052 | 1.00 | |
| PCB167 | ND | 0.20 | 0.062 | 1.00 | |
| PCB168 | ND | 0.20 | 0.049 | 1.00 | |
| PCB169 | ND | 0.20 | 0.061 | 1.00 | |
| PCB170 | ND | 0.20 | 0.063 | 1.00 | |
| PCB177 | ND | 0.20 | 0.087 | 1.00 | |
| PCB180 | ND | 0.20 | 0.042 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 12/02/15
 Work Order: 15-12-0180
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyards- North

Page 4 of 4

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|-----------------|-----------------------|-------------------|-----------|-------------------|
| PCB183 | ND | 0.20 | 0.11 | 1.00 | |
| PCB187 | ND | 0.20 | 0.084 | 1.00 | |
| PCB189 | ND | 0.20 | 0.061 | 1.00 | |
| PCB194 | ND | 0.20 | 0.11 | 1.00 | |
| PCB201 | ND | 0.20 | 0.097 | 1.00 | |
| PCB206 | ND | 0.20 | 0.19 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | | |
| 2-Fluorobiphenyl | 97 | 50-150 | | | |
| p-Terphenyl-d14 | 114 | 50-150 | | | |

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 12/02/15
 Work Order: 15-12-0180
 Preparation: EPA 3550B (M)
 Method: Organotins by Krone et al.
 Units: ug/kg

Project: San Diego Shipyards- North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-5A-D-0535-151202 | 15-12-0180-2-AA | 12/02/15 14:00 | Sediment | GC/MS Y | 12/02/15 | 12/03/15 20:00 | 151202L10 |

Comment(s): - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-------------|--------|-----|-----|------|------------|
| Tributyltin | ND | 3.6 | 1.8 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|--------------|----------|----------------|------------|
| Tripentyltin | 84 | 27-135 | |

| Method Blank | 099-07-016-1339 | N/A | Solid | GC/MS Y | 12/02/15 | 12/03/15 17:40 | 151202L10 |
|--------------|-----------------|-----|-------|---------|----------|-------------------|-----------|
|--------------|-----------------|-----|-------|---------|----------|-------------------|-----------|

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-------------|--------|-----|-----|------|------------|
| Tributyltin | ND | 3.0 | 1.5 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|--------------|----------|----------------|------------|
| Tripentyltin | 80 | 27-135 | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 12/02/15
 Work Order: 15-12-0180
 Preparation: EPA 3050B
 Method: EPA 6020

Project: San Diego Shipyards- North

Page 1 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-5A-D-0535-151202 | Sample | Sediment | ICP/MS 03 | 12/02/15 | 12/03/15 12:23 | 151202S01 |
| SD-N-C-5A-D-0535-151202 | Matrix Spike | Sediment | ICP/MS 03 | 12/02/15 | 12/03/15 11:59 | 151202S01 |
| SD-N-C-5A-D-0535-151202 | Matrix Spike Duplicate | Sediment | ICP/MS 03 | 12/02/15 | 12/03/15 12:02 | 151202S01 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Copper | 10.28 | 25.00 | 36.69 | 106 | 37.45 | 109 | 80-120 | 2 | 0-20 | |

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 12/02/15
 Work Order: 15-12-0180
 Preparation: EPA 7471A Total
 Method: EPA 7471A

Project: San Diego Shipyards- North

Page 2 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-5A-D-0535-151202 | Sample | Sediment | Mercury 05 | 12/03/15 | 12/03/15 15:09 | 151203S02 |
| SD-N-C-5A-D-0535-151202 | Matrix Spike | Sediment | Mercury 05 | 12/03/15 | 12/03/15 15:11 | 151203S02 |
| SD-N-C-5A-D-0535-151202 | Matrix Spike Duplicate | Sediment | Mercury 05 | 12/03/15 | 12/03/15 15:14 | 151203S02 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Mercury | ND | 0.8350 | 0.7172 | 86 | 0.7379 | 88 | 76-136 | 3 | 0-16 | |

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 12/02/15
 Work Order: 15-12-0180
 Preparation: EPA 3541
 Method: EPA 8270C SIM PAHs

Project: San Diego Shipyards- North

Page 3 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-5A-D-0535-151202 | Sample | Sediment | GC/MS AAA | 12/02/15 | 12/03/15 11:12 | 151202S12 |
| SD-N-C-5A-D-0535-151202 | Matrix Spike | Sediment | GC/MS AAA | 12/02/15 | 12/03/15 11:32 | 151202S12 |
| SD-N-C-5A-D-0535-151202 | Matrix Spike Duplicate | Sediment | GC/MS AAA | 12/02/15 | 12/03/15 11:52 | 151202S12 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-------------------------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Benzo (a) Anthracene | ND | 100.0 | 84.83 | 85 | 94.56 | 95 | 40-160 | 11 | 0-20 | |
| Benzo (a) Pyrene | ND | 100.0 | 95.00 | 95 | 106.4 | 106 | 40-160 | 11 | 0-20 | |
| Chrysene | ND | 100.0 | 78.19 | 78 | 86.58 | 87 | 40-160 | 10 | 0-20 | |
| Dibenz (a,h) Anthracene | ND | 100.0 | 99.94 | 100 | 111.7 | 112 | 40-160 | 11 | 0-20 | |
| Fluoranthene | ND | 100.0 | 81.69 | 82 | 91.30 | 91 | 40-160 | 11 | 0-20 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 12/02/15
 Work Order: 15-12-0180
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners

Project: San Diego Shipyards- North

Page 4 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-5A-D-0535-151202 | Sample | Sediment | GC/MS HHH | 12/02/15 | 12/03/15 13:24 | 151202S13 |
| SD-N-C-5A-D-0535-151202 | Matrix Spike | Sediment | GC/MS HHH | 12/02/15 | 12/03/15 16:54 | 151202S13 |
| SD-N-C-5A-D-0535-151202 | Matrix Spike Duplicate | Sediment | GC/MS HHH | 12/02/15 | 12/03/15 16:07 | 151202S13 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| PCB018 | ND | 50.00 | 33.00 | 66 | 33.00 | 66 | 50-150 | 0 | 0-25 | |
| PCB028 | ND | 50.00 | 36.23 | 72 | 36.19 | 72 | 50-150 | 0 | 0-25 | |
| PCB044 | ND | 50.00 | 35.56 | 71 | 34.75 | 69 | 50-150 | 2 | 0-25 | |
| PCB052 | ND | 50.00 | 32.36 | 65 | 31.74 | 63 | 50-150 | 2 | 0-25 | |
| PCB066 | ND | 50.00 | 42.07 | 84 | 40.67 | 81 | 50-150 | 3 | 0-25 | |
| PCB077 | ND | 50.00 | 40.00 | 80 | 38.87 | 78 | 50-150 | 3 | 0-25 | |
| PCB101 | ND | 50.00 | 36.86 | 74 | 34.99 | 70 | 50-150 | 5 | 0-25 | |
| PCB105 | ND | 50.00 | 41.10 | 82 | 39.58 | 79 | 50-150 | 4 | 0-25 | |
| PCB118 | ND | 50.00 | 43.30 | 87 | 41.39 | 83 | 50-150 | 5 | 0-25 | |
| PCB126 | ND | 50.00 | 42.16 | 84 | 39.22 | 78 | 50-150 | 7 | 0-25 | |
| PCB128 | ND | 50.00 | 41.27 | 83 | 38.55 | 77 | 50-150 | 7 | 0-25 | |
| PCB170 | ND | 50.00 | 38.55 | 77 | 38.43 | 77 | 50-150 | 0 | 0-25 | |
| PCB180 | ND | 50.00 | 43.32 | 87 | 40.11 | 80 | 50-150 | 8 | 0-25 | |
| PCB187 | ND | 50.00 | 38.26 | 77 | 36.31 | 73 | 50-150 | 5 | 0-25 | |
| PCB206 | ND | 50.00 | 35.07 | 70 | 34.99 | 70 | 50-150 | 0 | 0-25 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 12/02/15
 Work Order: 15-12-0180
 Preparation: EPA 3550B (M)
 Method: Organotins by Krone et al.

Project: San Diego Shipyards- North

Page 5 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-5A-D-0535-151202 | Sample | Sediment | GC/MS Y | 12/02/15 | 12/03/15 20:00 | 151202S10 |
| SD-N-C-5A-D-0535-151202 | Matrix Spike | Sediment | GC/MS Y | 12/02/15 | 12/03/15 21:34 | 151202S10 |
| SD-N-C-5A-D-0535-151202 | Matrix Spike Duplicate | Sediment | GC/MS Y | 12/02/15 | 12/03/15 21:50 | 151202S10 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-------------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Tributyltin | ND | 100.0 | 65.47 | 65 | 60.53 | 61 | 34-142 | 8 | 0-50 | |

Return to Contents 

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - PDS

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 12/02/15
 Work Order: 15-12-0180
 Preparation: EPA 3050B
 Method: EPA 6020

Project: San Diego Shipyards- North

Page 1 of 1

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | PDS/PDSD Batch Number |
|---------------------------|--------|----------|------------|----------------|----------------|-----------------------|
| SD-N-C-5A-D-0535-151202 | Sample | Sediment | ICP/MS 03 | 12/02/15 00:00 | 12/03/15 12:23 | 151202S01 |
| SD-N-C-5A-D-0535-151202 | PDS | Sediment | ICP/MS 03 | 12/02/15 00:00 | 12/03/15 12:06 | 151202S01 |

| <u>Parameter</u> | <u>Sample Conc.</u> | <u>Spike Added</u> | <u>PDS Conc.</u> | <u>PDS %Rec.</u> | <u>%Rec. CL</u> | <u>Qualifiers</u> |
|------------------|---------------------|--------------------|------------------|------------------|-----------------|-------------------|
| Copper | 10.28 | 25.00 | 36.45 | 105 | 75-125 | |

Return to Contents

Quality Control - Sample Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 12/02/15
 Work Order: 15-12-0180
 Preparation: N/A
 Method: SM 2540 B (M)

Project: San Diego Shipyards- North

Page 1 of 1

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | Duplicate Batch Number |
|---------------------------|------------------|----------|------------|----------------|----------------|------------------------|
| SD-N-C-5A-D-0535-151202 | Sample | Sediment | N/A | 12/03/15 00:00 | 12/03/15 16:30 | F1203TSD1 |
| SD-N-C-5A-D-0535-151202 | Sample Duplicate | Sediment | N/A | 12/03/15 00:00 | 12/03/15 16:30 | F1203TSD1 |

| Parameter | Sample Conc. | DUP Conc. | RPD | RPD CL | Qualifiers |
|---------------|--------------|-----------|-----|--------|------------|
| Solids, Total | 82.00 | 82.30 | 0 | 0-10 | |

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 12/02/15
 Work Order: 15-12-0180
 Preparation: EPA 3050B
 Method: EPA 6020

Project: San Diego Shipyards- North

Page 1 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|------|--------|------------|---------------|----------------|-----------------------|
| 099-15-254-376 | LCS | Solid | ICP/MS 03 | 12/02/15 | 12/03/15 11:52 | 151202L01E |
| 099-15-254-376 | LCSD | Solid | ICP/MS 03 | 12/02/15 | 12/03/15 11:55 | 151202L01E |

| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|-------------|-----------|-----------|------------|------------|----------|-----|--------|------------|
| Copper | 25.00 | 26.92 | 108 | 27.14 | 109 | 80-120 | 1 | 0-20 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 12/02/15
 Work Order: 15-12-0180
 Preparation: EPA 7471A Total
 Method: EPA 7471A

Project: San Diego Shipyards- North

Page 2 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|------|--------|------------|---------------|----------------|-----------------------|
| 099-16-278-188 | LCS | Solid | Mercury 05 | 12/03/15 | 12/03/15 15:07 | 151203L02E |
| 099-16-278-188 | LCSD | Solid | Mercury 05 | 12/03/15 | 12/03/15 15:45 | 151203L02E |

| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|-------------|-----------|-----------|------------|------------|----------|-----|--------|------------|
| Mercury | 0.8350 | 0.7984 | 96 | 0.7902 | 95 | 82-124 | 1 | 0-16 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 12/02/15
 Work Order: 15-12-0180
 Preparation: EPA 3541
 Method: EPA 8270C SIM PAHs

Project: San Diego Shipyards- North

Page 3 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|-------------|--------------|------------------|-----------------|-----------------------|-----------------------|
| 099-14-097-192 | LCS | Solid | GC/MS AAA | 12/02/15 | 12/03/15 14:11 | 151202L12 |
| 099-14-097-192 | LCSD | Solid | GC/MS AAA | 12/02/15 | 12/03/15 16:55 | 151202L12 |

| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-------------------------|-------------|-----------|-----------|------------|------------|----------|-----|--------|------------|
| Benzo (a) Anthracene | 100.0 | 72.81 | 73 | 74.35 | 74 | 40-160 | 2 | 0-20 | |
| Benzo (a) Pyrene | 100.0 | 82.94 | 83 | 85.52 | 86 | 40-160 | 3 | 0-20 | |
| Chrysene | 100.0 | 67.60 | 68 | 71.00 | 71 | 40-160 | 5 | 0-20 | |
| Dibenz (a,h) Anthracene | 100.0 | 88.76 | 89 | 85.66 | 86 | 40-160 | 4 | 0-20 | |
| Fluoranthene | 100.0 | 67.51 | 68 | 72.98 | 73 | 40-160 | 8 | 0-20 | |

Return to Contents 

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - LCS

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 12/02/15
 Work Order: 15-12-0180
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners

Project: San Diego Shipyards- North

Page 4 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS Batch Number | |
|---------------------------|------------|--------------------|------------------------|------------------|-----------------------|------------------|-------------------|
| 099-16-418-186 | LCS | Solid | GC/MS HHH | 12/02/15 | 12/03/15 11:55 | 151202L13 | |
| <u>Parameter</u> | | <u>Spike Added</u> | <u>Conc. Recovered</u> | <u>LCS %Rec.</u> | <u>%Rec. CL</u> | <u>ME CL</u> | <u>Qualifiers</u> |
| PCB018 | | 50.00 | 49.30 | 99 | 50-150 | 33-167 | |
| PCB028 | | 50.00 | 52.65 | 105 | 50-150 | 33-167 | |
| PCB044 | | 50.00 | 51.70 | 103 | 50-150 | 33-167 | |
| PCB052 | | 50.00 | 47.68 | 95 | 50-150 | 33-167 | |
| PCB066 | | 50.00 | 60.67 | 121 | 50-150 | 33-167 | |
| PCB077 | | 50.00 | 57.79 | 116 | 50-150 | 33-167 | |
| PCB101 | | 50.00 | 53.16 | 106 | 50-150 | 33-167 | |
| PCB105 | | 50.00 | 59.25 | 118 | 50-150 | 33-167 | |
| PCB118 | | 50.00 | 62.52 | 125 | 50-150 | 33-167 | |
| PCB126 | | 50.00 | 58.24 | 116 | 50-150 | 33-167 | |
| PCB128 | | 50.00 | 59.00 | 118 | 50-150 | 33-167 | |
| PCB170 | | 50.00 | 57.53 | 115 | 50-150 | 33-167 | |
| PCB180 | | 50.00 | 61.15 | 122 | 50-150 | 33-167 | |
| PCB187 | | 50.00 | 56.52 | 113 | 50-150 | 33-167 | |
| PCB206 | | 50.00 | 53.45 | 107 | 50-150 | 33-167 | |

Total number of LCS compounds: 15
 Total number of ME compounds: 0
 Total number of ME compounds allowed: 1
 LCS ME CL validation result: Pass

Return to Contents

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 12/02/15
 Work Order: 15-12-0180
 Preparation: EPA 3550B (M)
 Method: Organotins by Krone et al.

Project: San Diego Shipyards- North

Page 5 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|------|--------|------------|---------------|----------------|-----------------------|
| 099-07-016-1339 | LCS | Solid | GC/MS Y | 12/02/15 | 12/03/15 17:55 | 151202L10 |
| 099-07-016-1339 | LCSD | Solid | GC/MS Y | 12/02/15 | 12/03/15 18:11 | 151202L10 |

| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-------------|-------------|-----------|-----------|------------|------------|----------|-----|--------|------------|
| Tributyltin | 100.0 | 72.15 | 72 | 66.31 | 66 | 33-147 | 8 | 0-20 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

| <u>Qualifiers</u> | <u>Definition</u> |
|-------------------|---|
| * | See applicable analysis comment. |
| < | Less than the indicated value. |
| > | Greater than the indicated value. |
| 1 | Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification. |
| 2 | Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification. |
| 3 | Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control. |
| 4 | The MS/MSD RPD was out of control due to suspected matrix interference. |
| 5 | The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference. |
| 6 | Surrogate recovery below the acceptance limit. |
| 7 | Surrogate recovery above the acceptance limit. |
| B | Analyte was present in the associated method blank. |
| BU | Sample analyzed after holding time expired. |
| BV | Sample received after holding time expired. |
| CI | See case narrative. |
| E | Concentration exceeds the calibration range. |
| ET | Sample was extracted past end of recommended max. holding time. |
| HD | The chromatographic pattern was inconsistent with the profile of the reference fuel standard. |
| HDH | The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected). |
| HDL | The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected). |
| J | Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated. |
| JA | Analyte positively identified but quantitation is an estimate. |
| ME | LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean). |
| ND | Parameter not detected at the indicated reporting limit. |
| Q | Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater. |
| SG | The sample extract was subjected to Silica Gel treatment prior to analysis. |
| X | % Recovery and/or RPD out-of-range. |
| Z | Analyte presence was not confirmed by second column or GC/MS analysis. |
| | Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis. |
| | Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time. |
| | A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations. |

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: ANCHOR QEA

DATE: 12/02/2015

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC2 (CF:-0.4°C); Temperature (w/o CF): 3.3 °C (w/ CF): 2.9 °C; Blank Sample

Sample(s) outside temperature criteria (PM/APM contacted by: _____)

Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: Air Filter

Checked by: 671

CUSTODY SEAL:

Cooler Present and Intact Present but Not Intact Not Present N/A

Checked by: 671

Sample(s) Present and Intact Present but Not Intact Not Present N/A

Checked by: 1053

SAMPLE CONDITION:

Chain-of-Custody (COC) document(s) received with samples Yes No N/A

COC document(s) received complete Yes No N/A

Sampling date Sampling time Matrix Number of containers

No analysis requested Not relinquished No relinquished date No relinquished time

Sampler's name indicated on COC Yes No N/A

Sample container label(s) consistent with COC Yes No N/A

Sample container(s) intact and in good condition Yes No N/A

Proper containers for analyses requested Yes No N/A

Sufficient volume/mass for analyses requested Yes No N/A

Samples received within holding time Yes No N/A

Aqueous samples for certain analyses received within 15-minute holding time

pH Residual Chlorine Dissolved Sulfide Dissolved Oxygen Yes No N/A

Proper preservation chemical(s) noted on COC and/or sample container Yes No N/A

Unpreserved aqueous sample(s) received for certain analyses

Volatile Organics Total Metals Dissolved Metals

Container(s) for certain analysis free of headspace Yes No N/A

Volatile Organics Dissolved Gases (RSK-175) Dissolved Oxygen (SM 4500)

Carbon Dioxide (SM 4500) Ferrous Iron (SM 3500) Hydrogen Sulfide (Hach)

Tedlar™ bag(s) free of condensation Yes No N/A

CONTAINER TYPE:

(Trip Blank Lot Number: _____)

Aqueous: VOA VOA_h VOA_{na2} 100PJ 100PJ_{na2} 125AGB 125AGB_h 125AGB_p 125PB

125PB_{z_{na}} 250AGB 250CGB 250CGB_s 250PB 250PB_n 500AGB 500AGJ 500AGJ_s

500PB 1AGB 1AGB_{na2} 1AGB_s 1PB 1PB_{na} _____ _____ _____

Solid: 4ozCGJ 8ozCGJ 16ozCGJ Sleeve (_____) EnCores® (_____) TerraCores® (_____) _____

Air: Tedlar™ Canister Sorbent Tube PUF _____ Other Matrix (_____) _____ _____

Container: A = Amber, B = Bottle, C = Clear, E = Envelope, G = Glass, J = Jar, P = Plastic, and Z = Ziploc/Resealable Bag

Preservative: b = buffered, f = filtered, h = HCl, n = HNO₃, na = NaOH, na₂ = Na₂S₂O₃, p = H₃PO₄, Labeled/Checked by: 1053

s = H₂SO₄, u = ultra-pure, z_{na} = Zn(CH₃CO₂)₂ + NaOH

Reviewed by: 778

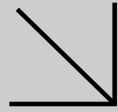
Return to Contents



Environmental
Calscience

Supplemental Report 5

The original report has been revised/corrected.



WORK ORDER NUMBER: 15-12-0181

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: ANCHOR QEA, LLC

Client Project Name: San Diego Shipyards- North

Attention: Adam Gale
27201 Puerta Real
Suite 350
Mission Viejo, CA 92691-8306

Approved for release on 05/11/2016 by:
Carla Hollowell
Project Manager

ResultLink ▶

Email your PM ▶



Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

Contents

Client Project Name: San Diego Shipyards- North
 Work Order Number: 15-12-0181

| | | |
|---|--|----|
| 1 | Work Order Narrative. | 3 |
| 2 | Sample Summary. | 4 |
| 3 | Client Sample Data. | 5 |
| | 3.1 SM 2540 B (M) Total Solids (Solid). | 5 |
| | 3.2 EPA 6020 ICP/MS Metals (Solid). | 6 |
| | 3.3 EPA 7471A Mercury (Solid). | 7 |
| | 3.4 EPA 8270C SIM PAHs (Solid). | 8 |
| | 3.5 EPA 8270C SIM PCB Congeners (Solid). | 10 |
| | 3.6 Krone et al. Organotins (Solid). | 16 |
| 4 | Quality Control Sample Data. | 17 |
| | 4.1 MS/MSD. | 17 |
| | 4.2 PDS/PDSD. | 22 |
| | 4.3 Sample Duplicate. | 23 |
| | 4.4 LCS/LCSD. | 24 |
| 5 | Glossary of Terms and Qualifiers. | 29 |
| 6 | Chain-of-Custody/Sample Receipt Form. | 30 |

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 12/02/15. They were assigned to Work Order 15-12-0181.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of ≤ 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

Sample Summary

| | |
|------------------------------|--|
| Client: ANCHOR QEA, LLC | Work Order: 15-12-0181 |
| 27201 Puerta Real, Suite 350 | Project Name: San Diego Shipyards- North |
| Mission Viejo, CA 92691-8306 | PO Number: |
| | Date/Time Received: 12/02/15 19:10 |
| | Number of Containers: 10 |

Attn: Adam Gale

| Sample Identification | Lab Number | Collection Date and Time | Number of Containers | Matrix |
|-------------------------|---------------|--------------------------|----------------------|----------|
| SD-N-C-9D-D-0535-151202 | 15-12-0181-2 | 12/02/15 09:05 | 1 | Sediment |
| SD-N-C-06-D-0535-151202 | 15-12-0181-10 | 12/02/15 10:53 | 1 | Sediment |



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 12/02/15
Work Order: 15-12-0181
Preparation: N/A
Method: SM 2540 B (M)
Units: %

Project: San Diego Shipyards- North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------------|-------------------------|---------------------------|-----------------|------------|-----------------|---------------------------|-------------------|
| SD-N-C-9D-D-0535-151202 | 15-12-0181-2-AA | 12/02/15 09:05 | Sediment | N/A | 12/03/15 | 12/03/15 16:30 | F1203TSB1 |
| <u>Parameter</u> | | <u>Result</u> | <u>RL</u> | | <u>DF</u> | | <u>Qualifiers</u> |
| Solids, Total | | 72.5 | 0.100 | | 1.00 | | |
| SD-N-C-06-D-0535-151202 | 15-12-0181-10-AA | 12/02/15 10:53 | Sediment | N/A | 12/03/15 | 12/03/15 16:30 | F1203TSB1 |
| <u>Parameter</u> | | <u>Result</u> | <u>RL</u> | | <u>DF</u> | | <u>Qualifiers</u> |
| Solids, Total | | 79.9 | 0.100 | | 1.00 | | |
| Method Blank | 099-05-019-3144 | N/A | Solid | N/A | 12/03/15 | 12/03/15 16:30 | F1203TSB1 |
| <u>Parameter</u> | | <u>Result</u> | <u>RL</u> | | <u>DF</u> | | <u>Qualifiers</u> |
| Solids, Total | | ND | 0.100 | | 1.00 | | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 12/02/15
Work Order: 15-12-0181
Preparation: EPA 3050B
Method: EPA 6020
Units: mg/kg

Project: San Diego Shipyards- North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-9D-D-0535-151202 | 15-12-0181-2-AA | 12/02/15 09:05 | Sediment | ICP/MS 03 | 12/02/15 | 12/03/15 12:27 | 151202L01E |

Comment(s): - Results are reported on a dry weight basis.
- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|-------|--------|------|------------|
| Copper | 113 | 0.138 | 0.0578 | 1.00 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-06-D-0535-151202 | 15-12-0181-10-AA | 12/02/15 10:53 | Sediment | ICP/MS 03 | 12/02/15 | 12/03/15 12:41 | 151202L01E |

Comment(s): - Results are reported on a dry weight basis.
- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|-------|--------|------|------------|
| Copper | 48.6 | 0.125 | 0.0525 | 1.00 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-15-254-376 | N/A | Solid | ICP/MS 03 | 12/02/15 | 12/03/15 11:45 | 151202L01E |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|-------|--------|------|------------|
| Copper | ND | 0.100 | 0.0419 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 12/02/15
Work Order: 15-12-0181
Preparation: EPA 7471A Total
Method: EPA 7471A
Units: mg/kg

Project: San Diego Shipyards- North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-9D-D-0535-151202 | 15-12-0181-2-AA | 12/02/15 09:05 | Sediment | Mercury 05 | 12/03/15 | 12/03/15 15:29 | 151203L02E |

Comment(s): - Results are reported on a dry weight basis.
- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|--------|---------|------|------------|
| Mercury | 0.131 | 0.0267 | 0.00784 | 1.00 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-06-D-0535-151202 | 15-12-0181-10-AA | 12/02/15 10:53 | Sediment | Mercury 05 | 12/03/15 | 12/03/15 15:38 | 151203L02E |

Comment(s): - Results are reported on a dry weight basis.
- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|--------|---------|------|------------|
| Mercury | 0.0153 | 0.0242 | 0.00711 | 1.00 | J |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-16-278-188 | N/A | Solid | Mercury 05 | 12/03/15 | 12/03/15 15:05 | 151203L02E |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|--------|---------|------|------------|
| Mercury | ND | 0.0200 | 0.00587 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 12/02/15
Work Order: 15-12-0181
Preparation: EPA 3541
Method: EPA 8270C SIM PAHs
Units: ug/kg

Project: San Diego Shipyards- North

Page 1 of 2

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-9D-D-0535-151202 | 15-12-0181-2-AA | 12/02/15 09:05 | Sediment | GC/MS AAA | 12/02/15 | 12/03/15 12:12 | 151202L12 |

Comment(s): - Results are reported on a dry weight basis.

- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-------------------------|--------|----|-----|------|------------|
| Benzo (a) Anthracene | 77 | 14 | 3.0 | 1.00 | |
| Benzo (a) Pyrene | 350 | 14 | 2.5 | 1.00 | |
| Chrysene | 110 | 14 | 3.1 | 1.00 | |
| Dibenz (a,h) Anthracene | 61 | 14 | 2.7 | 1.00 | |
| Fluoranthene | 95 | 14 | 2.5 | 1.00 | |
| Perylene | 43 | 14 | 3.3 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|------------------|----------|----------------|------------|
| 2-Fluorobiphenyl | 75 | 14-146 | |
| Nitrobenzene-d5 | 85 | 18-162 | |
| p-Terphenyl-d14 | 96 | 34-148 | |

| SD-N-C-06-D-0535-151202 | 15-12-0181-10-AA | 12/02/15 10:53 | Sediment | GC/MS AAA | 12/02/15 | 12/03/15 13:31 | 151202L12 |
|-------------------------|------------------|-------------------|----------|-----------|----------|-------------------|-----------|
|-------------------------|------------------|-------------------|----------|-----------|----------|-------------------|-----------|

Comment(s): - Results are reported on a dry weight basis.

- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-------------------------|--------|----|-----|------|------------|
| Benzo (a) Anthracene | 9.5 | 13 | 2.7 | 1.00 | J |
| Benzo (a) Pyrene | 8.5 | 13 | 2.3 | 1.00 | J |
| Chrysene | 8.8 | 13 | 2.8 | 1.00 | J |
| Dibenz (a,h) Anthracene | ND | 13 | 2.5 | 1.00 | |
| Fluoranthene | 32 | 13 | 2.3 | 1.00 | |
| Perylene | ND | 13 | 3.0 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|------------------|----------|----------------|------------|
| 2-Fluorobiphenyl | 75 | 14-146 | |
| Nitrobenzene-d5 | 90 | 18-162 | |
| p-Terphenyl-d14 | 97 | 34-148 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 12/02/15
Work Order: 15-12-0181
Preparation: EPA 3541
Method: EPA 8270C SIM PAHs
Units: ug/kg

Project: San Diego Shipyards- North

Page 2 of 2

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-----------------------|---------------------|--------------|------------------|-----------------|---------------------------|------------------|
| Method Blank | 099-14-097-192 | N/A | Solid | GC/MS AAA | 12/02/15 | 12/03/15 16:35 | 151202L12 |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|-------------------------|---------------|-----------|------------|-----------|-------------------|
| Benzo (a) Anthracene | ND | 10 | 2.2 | 1.00 | |
| Benzo (a) Pyrene | ND | 10 | 1.8 | 1.00 | |
| Chrysene | ND | 10 | 2.2 | 1.00 | |
| Dibenz (a,h) Anthracene | ND | 10 | 2.0 | 1.00 | |
| Fluoranthene | ND | 10 | 1.8 | 1.00 | |
| Perylene | ND | 10 | 2.4 | 1.00 | |

| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> |
|------------------|-----------------|-----------------------|-------------------|
| 2-Fluorobiphenyl | 65 | 14-146 | |
| Nitrobenzene-d5 | 75 | 18-162 | |
| p-Terphenyl-d14 | 77 | 34-148 | |



Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 12/02/15
Work Order: 15-12-0181
Preparation: EPA 3541
Method: EPA 8270C SIM PCB Congeners
Units: ug/kg

Project: San Diego Shipyards- North

Page 1 of 6

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-9D-D-0535-151202 | 15-12-0181-2-AA | 12/02/15 09:05 | Sediment | GC/MS HHH | 12/02/15 | 12/03/15 13:47 | 151202L13 |

Comment(s): - Results are reported on a dry weight basis.

- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|------------|--------|------|-------|------|------------|
| PCB018 | 4.9 | 0.28 | 0.099 | 1.00 | |
| PCB028 | 2.8 | 0.28 | 0.046 | 1.00 | |
| PCB037 | 0.99 | 0.28 | 0.084 | 1.00 | |
| PCB044 | 5.0 | 0.28 | 0.12 | 1.00 | |
| PCB049 | 5.7 | 0.28 | 0.16 | 1.00 | |
| PCB052 | 9.1 | 0.28 | 0.087 | 1.00 | |
| PCB066 | 5.4 | 0.28 | 0.14 | 1.00 | |
| PCB070 | 6.4 | 0.28 | 0.083 | 1.00 | |
| PCB074 | 2.1 | 0.28 | 0.12 | 1.00 | |
| PCB077 | 1.5 | 0.28 | 0.11 | 1.00 | |
| PCB081 | ND | 0.28 | 0.17 | 1.00 | |
| PCB087 | 5.0 | 0.28 | 0.15 | 1.00 | |
| PCB099 | 5.4 | 0.28 | 0.084 | 1.00 | |
| PCB101 | 13 | 0.28 | 0.14 | 1.00 | |
| PCB105 | 4.6 | 0.28 | 0.076 | 1.00 | |
| PCB110 | 13 | 0.28 | 0.064 | 1.00 | |
| PCB114 | ND | 0.28 | 0.11 | 1.00 | |
| PCB118 | 11 | 0.28 | 0.12 | 1.00 | |
| PCB119 | ND | 0.28 | 0.13 | 1.00 | |
| PCB123 | ND | 0.28 | 0.14 | 1.00 | |
| PCB126 | ND | 0.28 | 0.11 | 1.00 | |
| PCB128 | 2.0 | 0.28 | 0.14 | 1.00 | |
| PCB132/153 | 13 | 0.55 | 0.24 | 1.00 | |
| PCB138/158 | 12 | 0.55 | 0.13 | 1.00 | |
| PCB149 | 7.7 | 0.28 | 0.14 | 1.00 | |
| PCB151 | 2.1 | 0.28 | 0.093 | 1.00 | |
| PCB156 | 1.5 | 0.28 | 0.080 | 1.00 | |
| PCB157 | ND | 0.28 | 0.072 | 1.00 | |
| PCB167 | ND | 0.28 | 0.085 | 1.00 | |
| PCB168 | ND | 0.28 | 0.067 | 1.00 | |
| PCB169 | ND | 0.28 | 0.084 | 1.00 | |
| PCB170 | 2.7 | 0.28 | 0.088 | 1.00 | |
| PCB177 | 1.0 | 0.28 | 0.12 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 12/02/15
 Work Order: 15-12-0181
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyards- North

Page 2 of 6

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|-----------------|-----------------------|-------------------|-----------|-------------------|
| PCB180 | 4.1 | 0.28 | 0.058 | 1.00 | |
| PCB183 | 1.3 | 0.28 | 0.15 | 1.00 | |
| PCB187 | 2.3 | 0.28 | 0.12 | 1.00 | |
| PCB189 | ND | 0.28 | 0.085 | 1.00 | |
| PCB194 | 1.2 | 0.28 | 0.16 | 1.00 | |
| PCB201 | ND | 0.28 | 0.13 | 1.00 | |
| PCB206 | 0.73 | 0.28 | 0.27 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | | |
| 2-Fluorobiphenyl | 82 | 50-150 | | | |
| p-Terphenyl-d14 | 98 | 50-150 | | | |


 Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 12/02/15
Work Order: 15-12-0181
Preparation: EPA 3541
Method: EPA 8270C SIM PCB Congeners
Units: ug/kg

Project: San Diego Shipyards- North

Page 3 of 6

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-06-D-0535-151202 | 15-12-0181-10-AA | 12/02/15 10:53 | Sediment | GC/MS HHH | 12/02/15 | 12/03/15 15:20 | 151202L13 |

Comment(s): - Results are reported on a dry weight basis.

- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|------------|--------|------|-------|------|------------|
| PCB018 | ND | 0.25 | 0.089 | 1.00 | |
| PCB028 | ND | 0.25 | 0.042 | 1.00 | |
| PCB037 | ND | 0.25 | 0.076 | 1.00 | |
| PCB044 | ND | 0.25 | 0.11 | 1.00 | |
| PCB049 | ND | 0.25 | 0.14 | 1.00 | |
| PCB052 | ND | 0.25 | 0.078 | 1.00 | |
| PCB066 | ND | 0.25 | 0.13 | 1.00 | |
| PCB070 | ND | 0.25 | 0.075 | 1.00 | |
| PCB074 | ND | 0.25 | 0.11 | 1.00 | |
| PCB077 | ND | 0.25 | 0.097 | 1.00 | |
| PCB081 | ND | 0.25 | 0.15 | 1.00 | |
| PCB087 | ND | 0.25 | 0.13 | 1.00 | |
| PCB099 | ND | 0.25 | 0.076 | 1.00 | |
| PCB101 | ND | 0.25 | 0.12 | 1.00 | |
| PCB105 | ND | 0.25 | 0.068 | 1.00 | |
| PCB110 | 0.51 | 0.25 | 0.057 | 1.00 | |
| PCB114 | ND | 0.25 | 0.10 | 1.00 | |
| PCB118 | 0.67 | 0.25 | 0.11 | 1.00 | |
| PCB119 | ND | 0.25 | 0.12 | 1.00 | |
| PCB123 | ND | 0.25 | 0.13 | 1.00 | |
| PCB126 | ND | 0.25 | 0.10 | 1.00 | |
| PCB128 | ND | 0.25 | 0.13 | 1.00 | |
| PCB132/153 | 0.76 | 0.50 | 0.22 | 1.00 | |
| PCB138/158 | ND | 0.50 | 0.12 | 1.00 | |
| PCB149 | ND | 0.25 | 0.12 | 1.00 | |
| PCB151 | ND | 0.25 | 0.084 | 1.00 | |
| PCB156 | ND | 0.25 | 0.072 | 1.00 | |
| PCB157 | ND | 0.25 | 0.065 | 1.00 | |
| PCB167 | ND | 0.25 | 0.077 | 1.00 | |
| PCB168 | ND | 0.25 | 0.061 | 1.00 | |
| PCB169 | ND | 0.25 | 0.076 | 1.00 | |
| PCB170 | ND | 0.25 | 0.079 | 1.00 | |
| PCB177 | ND | 0.25 | 0.11 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 12/02/15
 Work Order: 15-12-0181
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyards- North

Page 4 of 6

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|-----------------|-----------------------|-------------------|-----------|-------------------|
| PCB180 | ND | 0.25 | 0.053 | 1.00 | |
| PCB183 | ND | 0.25 | 0.14 | 1.00 | |
| PCB187 | ND | 0.25 | 0.11 | 1.00 | |
| PCB189 | ND | 0.25 | 0.076 | 1.00 | |
| PCB194 | ND | 0.25 | 0.14 | 1.00 | |
| PCB201 | ND | 0.25 | 0.12 | 1.00 | |
| PCB206 | ND | 0.25 | 0.24 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | | |
| 2-Fluorobiphenyl | 73 | 50-150 | | | |
| p-Terphenyl-d14 | 96 | 50-150 | | | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 12/02/15
Work Order: 15-12-0181
Preparation: EPA 3541
Method: EPA 8270C SIM PCB Congeners
Units: ug/kg

Project: San Diego Shipyards- North

Page 5 of 6

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-16-418-186 | N/A | Solid | GC/MS HHH | 12/02/15 | 12/03/15 17:17 | 151202L13 |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|------------|--------|------|-------|------|------------|
| PCB018 | ND | 0.20 | 0.071 | 1.00 | |
| PCB028 | ND | 0.20 | 0.034 | 1.00 | |
| PCB037 | ND | 0.20 | 0.060 | 1.00 | |
| PCB044 | ND | 0.20 | 0.087 | 1.00 | |
| PCB049 | ND | 0.20 | 0.11 | 1.00 | |
| PCB052 | ND | 0.20 | 0.063 | 1.00 | |
| PCB066 | ND | 0.20 | 0.10 | 1.00 | |
| PCB070 | ND | 0.20 | 0.060 | 1.00 | |
| PCB074 | ND | 0.20 | 0.087 | 1.00 | |
| PCB077 | ND | 0.20 | 0.078 | 1.00 | |
| PCB081 | ND | 0.20 | 0.12 | 1.00 | |
| PCB087 | ND | 0.20 | 0.11 | 1.00 | |
| PCB099 | ND | 0.20 | 0.061 | 1.00 | |
| PCB101 | ND | 0.20 | 0.098 | 1.00 | |
| PCB105 | ND | 0.20 | 0.055 | 1.00 | |
| PCB110 | ND | 0.20 | 0.046 | 1.00 | |
| PCB114 | ND | 0.20 | 0.082 | 1.00 | |
| PCB118 | ND | 0.20 | 0.084 | 1.00 | |
| PCB119 | ND | 0.20 | 0.094 | 1.00 | |
| PCB123 | ND | 0.20 | 0.10 | 1.00 | |
| PCB126 | ND | 0.20 | 0.080 | 1.00 | |
| PCB128 | ND | 0.20 | 0.10 | 1.00 | |
| PCB132/153 | ND | 0.40 | 0.17 | 1.00 | |
| PCB138/158 | ND | 0.40 | 0.094 | 1.00 | |
| PCB149 | ND | 0.20 | 0.098 | 1.00 | |
| PCB151 | ND | 0.20 | 0.067 | 1.00 | |
| PCB156 | ND | 0.20 | 0.058 | 1.00 | |
| PCB157 | ND | 0.20 | 0.052 | 1.00 | |
| PCB167 | ND | 0.20 | 0.062 | 1.00 | |
| PCB168 | ND | 0.20 | 0.049 | 1.00 | |
| PCB169 | ND | 0.20 | 0.061 | 1.00 | |
| PCB170 | ND | 0.20 | 0.063 | 1.00 | |
| PCB177 | ND | 0.20 | 0.087 | 1.00 | |
| PCB180 | ND | 0.20 | 0.042 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 12/02/15
 Work Order: 15-12-0181
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyards- North

Page 6 of 6

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|-----------------|-----------------------|-------------------|-----------|-------------------|
| PCB183 | ND | 0.20 | 0.11 | 1.00 | |
| PCB187 | ND | 0.20 | 0.084 | 1.00 | |
| PCB189 | ND | 0.20 | 0.061 | 1.00 | |
| PCB194 | ND | 0.20 | 0.11 | 1.00 | |
| PCB201 | ND | 0.20 | 0.097 | 1.00 | |
| PCB206 | ND | 0.20 | 0.19 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | | |
| 2-Fluorobiphenyl | 97 | 50-150 | | | |
| p-Terphenyl-d14 | 114 | 50-150 | | | |


 Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 12/02/15
Work Order: 15-12-0181
Preparation: EPA 3550B (M)
Method: Organotins by Krone et al.
Units: ug/kg

Project: San Diego Shipyards- North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-9D-D-0535-151202 | 15-12-0181-2-AA | 12/02/15 09:05 | Sediment | GC/MS Y | 12/02/15 | 12/03/15 20:15 | 151202L10 |

Comment(s): - Results are reported on a dry weight basis.
- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-------------|--------|-----|-----|------|------------|
| Tributyltin | 130 | 4.1 | 2.0 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|--------------|----------|----------------|------------|
| Tripentyltin | 90 | 27-135 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-06-D-0535-151202 | 15-12-0181-10-AA | 12/02/15 10:53 | Sediment | GC/MS Y | 12/02/15 | 12/03/15 21:18 | 151202L10 |

Comment(s): - Results are reported on a dry weight basis.
- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-------------|--------|-----|-----|------|------------|
| Tributyltin | 2.5 | 3.7 | 1.8 | 1.00 | J |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|--------------|----------|----------------|------------|
| Tripentyltin | 79 | 27-135 | |

| Method Blank | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-07-016-1339 | N/A | Solid | GC/MS Y | 12/02/15 | 12/03/15 17:40 | 151202L10 |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-------------|--------|-----|-----|------|------------|
| Tributyltin | ND | 3.0 | 1.5 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|--------------|----------|----------------|------------|
| Tripentyltin | 80 | 27-135 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 12/02/15
Work Order: 15-12-0181
Preparation: EPA 3050B
Method: EPA 6020

Project: San Diego Shipyards- North

Page 1 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| 15-12-0180-2 | Sample | Sediment | ICP/MS 03 | 12/02/15 | 12/03/15 12:23 | 151202S01 |
| 15-12-0180-2 | Matrix Spike | Sediment | ICP/MS 03 | 12/02/15 | 12/03/15 11:59 | 151202S01 |
| 15-12-0180-2 | Matrix Spike Duplicate | Sediment | ICP/MS 03 | 12/02/15 | 12/03/15 12:02 | 151202S01 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Copper | 10.28 | 25.00 | 36.69 | 106 | 37.45 | 109 | 80-120 | 2 | 0-20 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 12/02/15
 Work Order: 15-12-0181
 Preparation: EPA 7471A Total
 Method: EPA 7471A

Project: San Diego Shipyards- North

Page 2 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| 15-12-0180-2 | Sample | Sediment | Mercury 05 | 12/03/15 | 12/03/15 15:09 | 151203S02 |
| 15-12-0180-2 | Matrix Spike | Sediment | Mercury 05 | 12/03/15 | 12/03/15 15:11 | 151203S02 |
| 15-12-0180-2 | Matrix Spike Duplicate | Sediment | Mercury 05 | 12/03/15 | 12/03/15 15:14 | 151203S02 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Mercury | ND | 0.8350 | 0.7172 | 86 | 0.7379 | 88 | 76-136 | 3 | 0-16 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 12/02/15
Work Order: 15-12-0181
Preparation: EPA 3541
Method: EPA 8270C SIM PAHs

Project: San Diego Shipyards- North

Page 3 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| 15-12-0180-2 | Sample | Sediment | GC/MS AAA | 12/02/15 | 12/03/15 11:12 | 151202S12 |
| 15-12-0180-2 | Matrix Spike | Sediment | GC/MS AAA | 12/02/15 | 12/03/15 11:32 | 151202S12 |
| 15-12-0180-2 | Matrix Spike Duplicate | Sediment | GC/MS AAA | 12/02/15 | 12/03/15 11:52 | 151202S12 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-------------------------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Benzo (a) Anthracene | ND | 100.0 | 84.83 | 85 | 94.56 | 95 | 40-160 | 11 | 0-20 | |
| Benzo (a) Pyrene | ND | 100.0 | 95.00 | 95 | 106.4 | 106 | 40-160 | 11 | 0-20 | |
| Chrysene | ND | 100.0 | 78.19 | 78 | 86.58 | 87 | 40-160 | 10 | 0-20 | |
| Dibenz (a,h) Anthracene | ND | 100.0 | 99.94 | 100 | 111.7 | 112 | 40-160 | 11 | 0-20 | |
| Fluoranthene | ND | 100.0 | 81.69 | 82 | 91.30 | 91 | 40-160 | 11 | 0-20 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 12/02/15
Work Order: 15-12-0181
Preparation: EPA 3541
Method: EPA 8270C SIM PCB Congeners

Project: San Diego Shipyards- North

Page 4 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| 15-12-0180-2 | Sample | Sediment | GC/MS HHH | 12/02/15 | 12/03/15 13:24 | 151202S13 |
| 15-12-0180-2 | Matrix Spike | Sediment | GC/MS HHH | 12/02/15 | 12/03/15 16:54 | 151202S13 |
| 15-12-0180-2 | Matrix Spike Duplicate | Sediment | GC/MS HHH | 12/02/15 | 12/03/15 16:07 | 151202S13 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| PCB018 | ND | 50.00 | 33.00 | 66 | 33.00 | 66 | 50-150 | 0 | 0-25 | |
| PCB028 | ND | 50.00 | 36.23 | 72 | 36.19 | 72 | 50-150 | 0 | 0-25 | |
| PCB044 | ND | 50.00 | 35.56 | 71 | 34.75 | 69 | 50-150 | 2 | 0-25 | |
| PCB052 | ND | 50.00 | 32.36 | 65 | 31.74 | 63 | 50-150 | 2 | 0-25 | |
| PCB066 | ND | 50.00 | 42.07 | 84 | 40.67 | 81 | 50-150 | 3 | 0-25 | |
| PCB077 | ND | 50.00 | 40.00 | 80 | 38.87 | 78 | 50-150 | 3 | 0-25 | |
| PCB101 | ND | 50.00 | 36.86 | 74 | 34.99 | 70 | 50-150 | 5 | 0-25 | |
| PCB105 | ND | 50.00 | 41.10 | 82 | 39.58 | 79 | 50-150 | 4 | 0-25 | |
| PCB118 | ND | 50.00 | 43.30 | 87 | 41.39 | 83 | 50-150 | 5 | 0-25 | |
| PCB126 | ND | 50.00 | 42.16 | 84 | 39.22 | 78 | 50-150 | 7 | 0-25 | |
| PCB128 | ND | 50.00 | 41.27 | 83 | 38.55 | 77 | 50-150 | 7 | 0-25 | |
| PCB170 | ND | 50.00 | 38.55 | 77 | 38.43 | 77 | 50-150 | 0 | 0-25 | |
| PCB180 | ND | 50.00 | 43.32 | 87 | 40.11 | 80 | 50-150 | 8 | 0-25 | |
| PCB187 | ND | 50.00 | 38.26 | 77 | 36.31 | 73 | 50-150 | 5 | 0-25 | |
| PCB195 | ND | 50.00 | 38.62 | 77 | 37.74 | 75 | 50-150 | 2 | 0-25 | |
| PCB206 | ND | 50.00 | 35.07 | 70 | 34.99 | 70 | 50-150 | 0 | 0-25 | |
| PCB209 | ND | 50.00 | 35.87 | 72 | 35.74 | 71 | 50-150 | 0 | 0-25 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 12/02/15
Work Order: 15-12-0181
Preparation: EPA 3550B (M)
Method: Organotins by Krone et al.

Project: San Diego Shipyards- North

Page 5 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number | | | | |
|---------------------------|------------------------|-------------|------------|---------------|----------------|---------------------|----------|-----|--------|------------|
| 15-12-0180-2 | Sample | Sediment | GC/MS Y | 12/02/15 | 12/03/15 20:00 | 151202S10 | | | | |
| 15-12-0180-2 | Matrix Spike | Sediment | GC/MS Y | 12/02/15 | 12/03/15 21:34 | 151202S10 | | | | |
| 15-12-0180-2 | Matrix Spike Duplicate | Sediment | GC/MS Y | 12/02/15 | 12/03/15 21:50 | 151202S10 | | | | |
| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
| Tetrabutyltin | ND | 100.0 | 85.66 | 86 | 84.44 | 84 | 33-129 | 1 | 0-36 | |
| Tributyltin | ND | 100.0 | 65.47 | 65 | 60.53 | 61 | 34-142 | 8 | 0-50 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - PDS

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 12/02/15
 Work Order: 15-12-0181
 Preparation: EPA 3050B
 Method: EPA 6020

Project: San Diego Shipyards- North

Page 1 of 1

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | PDS/PDSD Batch Number |
|---------------------------|--------|----------|------------|----------------|----------------|-----------------------|
| 15-12-0180-2 | Sample | Sediment | ICP/MS 03 | 12/02/15 00:00 | 12/03/15 12:23 | 151202S01 |
| 15-12-0180-2 | PDS | Sediment | ICP/MS 03 | 12/02/15 00:00 | 12/03/15 12:06 | 151202S01 |

| <u>Parameter</u> | <u>Sample Conc.</u> | <u>Spike Added</u> | <u>PDS Conc.</u> | <u>PDS %Rec.</u> | <u>%Rec. CL</u> | <u>Qualifiers</u> |
|------------------|---------------------|--------------------|------------------|------------------|-----------------|-------------------|
| Copper | 10.28 | 25.00 | 36.45 | 105 | 75-125 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Sample Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 12/02/15
 Work Order: 15-12-0181
 Preparation: N/A
 Method: SM 2540 B (M)

Project: San Diego Shipyards- North

Page 1 of 1

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | Duplicate Batch Number |
|---------------------------|------------------|----------|------------|----------------|----------------|------------------------|
| 15-12-0180-2 | Sample | Sediment | N/A | 12/03/15 00:00 | 12/03/15 16:30 | F1203TSD1 |
| 15-12-0180-2 | Sample Duplicate | Sediment | N/A | 12/03/15 00:00 | 12/03/15 16:30 | F1203TSD1 |

| Parameter | Sample Conc. | DUP Conc. | RPD | RPD CL | Qualifiers |
|---------------|--------------|-----------|-----|--------|------------|
| Solids, Total | 82.00 | 82.30 | 0 | 0-10 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 12/02/15
 Work Order: 15-12-0181
 Preparation: EPA 3050B
 Method: EPA 6020

Project: San Diego Shipyards- North

Page 1 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number | | | |
|---------------------------|-------------|-----------|------------|---------------|----------------|-----------------------|-----|--------|------------|
| 099-15-254-376 | LCS | Solid | ICP/MS 03 | 12/02/15 | 12/03/15 11:52 | 151202L01E | | | |
| 099-15-254-376 | LCSD | Solid | ICP/MS 03 | 12/02/15 | 12/03/15 11:55 | 151202L01E | | | |
| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
| Copper | 25.00 | 26.92 | 108 | 27.14 | 109 | 80-120 | 1 | 0-20 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 12/02/15
Work Order: 15-12-0181
Preparation: EPA 7471A Total
Method: EPA 7471A

Project: San Diego Shipyards- North

Page 2 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number | | | |
|---------------------------|-------------|-----------|------------|---------------|----------------|-----------------------|-----|--------|------------|
| 099-16-278-188 | LCS | Solid | Mercury 05 | 12/03/15 | 12/03/15 15:07 | 151203L02E | | | |
| 099-16-278-188 | LCSD | Solid | Mercury 05 | 12/03/15 | 12/03/15 15:45 | 151203L02E | | | |
| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
| Mercury | 0.8350 | 0.7984 | 96 | 0.7902 | 95 | 82-124 | 1 | 0-16 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 12/02/15
Work Order: 15-12-0181
Preparation: EPA 3541
Method: EPA 8270C SIM PAHs

Project: San Diego Shipyards- North

Page 3 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number | | | |
|---------------------------|-------------|--------------|------------------|-----------------|-----------------------|-----------------------|-----|--------|------------|
| 099-14-097-192 | LCS | Solid | GC/MS AAA | 12/02/15 | 12/03/15 14:11 | 151202L12 | | | |
| 099-14-097-192 | LCSD | Solid | GC/MS AAA | 12/02/15 | 12/03/15 16:55 | 151202L12 | | | |
| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
| Benzo (a) Anthracene | 100.0 | 72.81 | 73 | 74.35 | 74 | 40-160 | 2 | 0-20 | |
| Benzo (a) Pyrene | 100.0 | 82.94 | 83 | 85.52 | 86 | 40-160 | 3 | 0-20 | |
| Chrysene | 100.0 | 67.60 | 68 | 71.00 | 71 | 40-160 | 5 | 0-20 | |
| Dibenz (a,h) Anthracene | 100.0 | 88.76 | 89 | 85.66 | 86 | 40-160 | 4 | 0-20 | |
| Fluoranthene | 100.0 | 67.51 | 68 | 72.98 | 73 | 40-160 | 8 | 0-20 | |


 Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - LCS

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 12/02/15
 Work Order: 15-12-0181
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners

Project: San Diego Shipyards- North

Page 4 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS Batch Number | |
|---------------------------|------------|--------------------|------------------------|------------------|-----------------------|------------------|-------------------|
| 099-16-418-186 | LCS | Solid | GC/MS HHH | 12/02/15 | 12/03/15 11:55 | 151202L13 | |
| <u>Parameter</u> | | <u>Spike Added</u> | <u>Conc. Recovered</u> | <u>LCS %Rec.</u> | <u>%Rec. CL</u> | <u>ME CL</u> | <u>Qualifiers</u> |
| PCB018 | | 50.00 | 49.30 | 99 | 50-150 | 33-167 | |
| PCB028 | | 50.00 | 52.65 | 105 | 50-150 | 33-167 | |
| PCB044 | | 50.00 | 51.70 | 103 | 50-150 | 33-167 | |
| PCB052 | | 50.00 | 47.68 | 95 | 50-150 | 33-167 | |
| PCB066 | | 50.00 | 60.67 | 121 | 50-150 | 33-167 | |
| PCB077 | | 50.00 | 57.79 | 116 | 50-150 | 33-167 | |
| PCB101 | | 50.00 | 53.16 | 106 | 50-150 | 33-167 | |
| PCB105 | | 50.00 | 59.25 | 118 | 50-150 | 33-167 | |
| PCB118 | | 50.00 | 62.52 | 125 | 50-150 | 33-167 | |
| PCB126 | | 50.00 | 58.24 | 116 | 50-150 | 33-167 | |
| PCB128 | | 50.00 | 59.00 | 118 | 50-150 | 33-167 | |
| PCB170 | | 50.00 | 57.53 | 115 | 50-150 | 33-167 | |
| PCB180 | | 50.00 | 61.15 | 122 | 50-150 | 33-167 | |
| PCB187 | | 50.00 | 56.52 | 113 | 50-150 | 33-167 | |
| PCB195 | | 50.00 | 58.64 | 117 | 50-150 | 33-167 | |
| PCB206 | | 50.00 | 53.45 | 107 | 50-150 | 33-167 | |
| PCB209 | | 50.00 | 55.02 | 110 | 50-150 | 33-167 | |

Total number of LCS compounds: 17

Total number of ME compounds: 0

Total number of ME compounds allowed: 1

LCS ME CL validation result: Pass

Return to Contents



Calscience

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 12/02/15
Work Order: 15-12-0181
Preparation: EPA 3550B (M)
Method: Organotins by Krone et al.

Project: San Diego Shipyards- North

Page 5 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number | | | |
|---------------------------|-------------|-----------|------------|---------------|----------------|-----------------------|-----|--------|------------|
| 099-07-016-1339 | LCS | Solid | GC/MS Y | 12/02/15 | 12/03/15 17:55 | 151202L10 | | | |
| 099-07-016-1339 | LCSD | Solid | GC/MS Y | 12/02/15 | 12/03/15 18:11 | 151202L10 | | | |
| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
| Tetrabutyltin | 100.0 | 105.3 | 105 | 91.54 | 92 | 40-142 | 14 | 0-20 | |
| Tributyltin | 100.0 | 72.15 | 72 | 66.31 | 66 | 33-147 | 8 | 0-20 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Glossary of Terms and Qualifiers

Work Order: 15-12-0181

Page 1 of 1

| <u>Qualifiers</u> | <u>Definition</u> |
|-------------------|---|
| * | See applicable analysis comment. |
| < | Less than the indicated value. |
| > | Greater than the indicated value. |
| 1 | Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification. |
| 2 | Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification. |
| 3 | Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control. |
| 4 | The MS/MSD RPD was out of control due to suspected matrix interference. |
| 5 | The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference. |
| 6 | Surrogate recovery below the acceptance limit. |
| 7 | Surrogate recovery above the acceptance limit. |
| B | Analyte was present in the associated method blank. |
| BU | Sample analyzed after holding time expired. |
| BV | Sample received after holding time expired. |
| CI | See case narrative. |
| E | Concentration exceeds the calibration range. |
| ET | Sample was extracted past end of recommended max. holding time. |
| HD | The chromatographic pattern was inconsistent with the profile of the reference fuel standard. |
| HDH | The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected). |
| HDL | The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected). |
| J | Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated. |
| JA | Analyte positively identified but quantitation is an estimate. |
| ME | LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean). |
| ND | Parameter not detected at the indicated reporting limit. |
| Q | Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater. |
| SG | The sample extract was subjected to Silica Gel treatment prior to analysis. |
| X | % Recovery and/or RPD out-of-range. |
| Z | Analyte presence was not confirmed by second column or GC/MS analysis. |
| | Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis. |
| | Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time. |
| | A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations. |



Calscience

CHAIN OF CUSTODY RECORD

7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

LABORATORY CLIENT: Anchor QEA

ADDRESS: 27201 Puerta Real, Suite 350

CITY: Misson Viejo

TEL: 949.347.2780

E-MAIL: agale@anchoragea.com or kking@anchoragea.com

STATE: CA ZIP: 92691

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
 SAME DAY 24 HR 48 HR 72 HR 5 DAYS STANDARD

GLOBAL ID:

LOG CODE:

SPECIAL INSTRUCTIONS:

Rush samples: Start drying process asap.

Report J-flags

Report metals, PAHs, solids on a 24hr TAT and PCBs, organotins on a 48hr TAT

Standard Excel file EDD in addition to COELT EDF

| LAB. USE ONLY | SAMPLE ID | SAMPLING | | MATRIX | NO. OF CONT. | LOG CODE: | | |
|---------------|-------------------------|----------|------|--------|--------------|-------------|-----------|----------------|
| | | DATE | TIME | | | Unpreserved | Preserved | Field Filtered |
| 1 | SD-N-C-40-D-0005-151202 | 12/2/15 | 0905 | SED | 1 | | | |
| 2 | SD-N-C-40-D-0535-151202 | 12/2/15 | 0905 | SED | 1 | | | |
| 3 | SD-N-C-08-D-0005-151202 | 12/2/15 | 0933 | SED | 1 | | | |
| 4 | SD-N-C-08-D-0535-151202 | 12/2/15 | 0933 | SED | 1 | | | |
| 5 | SD-N-C-78-D-0005-151202 | 12/2/15 | 1007 | SED | 1 | | | |
| 6 | SD-N-C-78-D-0535-151202 | 12/2/15 | 1007 | SED | 1 | | | |
| 7 | SD-N-C-7A-D-0005-151202 | 12/2/15 | 1031 | SED | 1 | | | |
| 8 | SD-N-C-7A-D-0535-151202 | 12/2/15 | 1031 | SED | 1 | | | |
| 9 | SD-N-C-02-D-0005-151202 | 12/2/15 | 1053 | SED | 1 | | | |
| 10 | SD-N-C-02-D-0535-151202 | 12/2/15 | 1053 | SED | 1 | | | |

| SM 2540 B (M) Total Solids | EPA 6020 /7471A Cu, Hg | EPA 8270C SIM PCB Congeners | EPA 8270C SIM PAHs | Organotins by Krone et al. (Tributyltin only) | Archive |
|----------------------------|------------------------|-----------------------------|--------------------|---|---------|
| X | X | X | X | X | X |
| X | X | X | X | X | X |
| X | X | X | X | X | X |
| X | X | X | X | X | X |
| X | X | X | X | X | X |
| X | X | X | X | X | X |
| X | X | X | X | X | X |
| X | X | X | X | X | X |

Please check box or fill in blank as needed.

REQUESTED ANALYSES

CLIENT PROJECT NAME / NUMBER: San Diego Shipyards - North
PROJECT CONTACT: Adam Gale or Kyle King

P.O. NO.: 13/002-01.03
SAMPLER(S) (PRINT): C. Dolphin A, Can 1/1at

Relinquished by: (Signature) [Signature] Date: 12/2/15 Time: 1550
Relinquished by: (Signature) [Signature] Date: 12/2/15 Time: 1910
Relinquished by: (Signature) [Signature] Date: [] Time: []

Received by: (Signature/Affiliation) [Signature] Date: 12/2/15 Time: 1550
Received by: (Signature/Affiliation) [Signature] Date: 12/2/15 Time: 1910
Received by: (Signature/Affiliation) [Signature] Date: [] Time: []

Received by: (Signature/Affiliation) [Signature] Date: [] Time: []

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: ANCHOR . QEA

DATE: 12/02/2015

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)
 Thermometer ID: SC2 (CF:-0.4°C); Temperature (w/o CF): 3.3 °C (w/ CF): 2.9 °C; Blank Sample
 Sample(s) outside temperature criteria (PM/APM contacted by: _____)
 Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling
 Sample(s) received at ambient temperature; placed on ice for transport by courier
 Ambient Temperature: Air Filter Checked by: 671

CUSTODY SEAL:
 Cooler Present and Intact Present but Not Intact Not Present N/A Checked by: 671
 Sample(s) Present and Intact Present but Not Intact Not Present N/A Checked by: 1053

| SAMPLE CONDITION: | Yes | No | N/A |
|---|-------------------------------------|--------------------------|-------------------------------------|
| Chain-of-Custody (COC) document(s) received with samples | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| COC document(s) received complete | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> Sampling date <input type="checkbox"/> Sampling time <input type="checkbox"/> Matrix <input type="checkbox"/> Number of containers <input type="checkbox"/> No analysis requested <input type="checkbox"/> Not relinquished <input type="checkbox"/> No relinquished date <input type="checkbox"/> No relinquished time | | | |
| Sampler's name indicated on COC | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Sample container label(s) consistent with COC | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Sample container(s) intact and in good condition | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Proper containers for analyses requested | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Sufficient volume/mass for analyses requested | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Samples received within holding time | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Aqueous samples for certain analyses received within 15-minute holding time | | | |
| <input type="checkbox"/> pH <input type="checkbox"/> Residual Chlorine <input type="checkbox"/> Dissolved Sulfide <input type="checkbox"/> Dissolved Oxygen | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Proper preservation chemical(s) noted on COC and/or sample container | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Unpreserved aqueous sample(s) received for certain analyses | | | |
| <input type="checkbox"/> Volatile Organics <input type="checkbox"/> Total Metals <input type="checkbox"/> Dissolved Metals | | | |
| Container(s) for certain analysis free of headspace | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input type="checkbox"/> Volatile Organics <input type="checkbox"/> Dissolved Gases (RSK-175) <input type="checkbox"/> Dissolved Oxygen (SM 4500) | | | |
| <input type="checkbox"/> Carbon Dioxide (SM 4500) <input type="checkbox"/> Ferrous Iron (SM 3500) <input type="checkbox"/> Hydrogen Sulfide (Hach) | | | |
| Tedlar™ bag(s) free of condensation | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| (Trip Blank Lot Number: _____) | | | |
| CONTAINER TYPE: | | | |
| Aqueous: <input type="checkbox"/> VOA <input type="checkbox"/> VOA _h <input type="checkbox"/> VOA _{na2} <input type="checkbox"/> 100PJ <input type="checkbox"/> 100PJ _{na2} <input type="checkbox"/> 125AGB <input type="checkbox"/> 125AGB _h <input type="checkbox"/> 125AGB _p <input type="checkbox"/> 125PB | | | |
| <input type="checkbox"/> 125PB _{z_{na}} <input type="checkbox"/> 250AGB <input type="checkbox"/> 250CGB <input type="checkbox"/> 250CGB _s <input type="checkbox"/> 250PB <input type="checkbox"/> 250PB _n <input type="checkbox"/> 500AGB <input type="checkbox"/> 500AGJ <input type="checkbox"/> 500AGJ _s | | | |
| <input type="checkbox"/> 500PB <input type="checkbox"/> 1AGB <input type="checkbox"/> 1AGB _{na2} <input type="checkbox"/> 1AGB _s <input type="checkbox"/> 1PB <input type="checkbox"/> 1PB _{na} <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ | | | |
| Solid: <input type="checkbox"/> 4ozCGJ <input checked="" type="checkbox"/> 8ozCGJ <input checked="" type="checkbox"/> 16ozCGJ <input type="checkbox"/> Sleeve (____) <input type="checkbox"/> EnCores® (____) <input type="checkbox"/> TerraCores® (____) <input type="checkbox"/> _____ | | | |
| Air: <input type="checkbox"/> Tedlar™ <input type="checkbox"/> Canister <input type="checkbox"/> Sorbent Tube <input type="checkbox"/> PUF <input type="checkbox"/> _____ Other Matrix (____): <input type="checkbox"/> _____ <input type="checkbox"/> _____ | | | |
| Container: A = Amber, B = Bottle, C = Clear, E = Envelope, G = Glass, J = Jar, P = Plastic, and Z = Ziploc/Resealable Bag | | | |
| Preservative: b = buffered, f = filtered, h = HCl, n = HNO ₃ , na = NaOH, na ₂ = Na ₂ S ₂ O ₃ , p = H ₃ PO ₄ , Labeled/Checked by: <u>1053</u> | | | |
| s = H ₂ SO ₄ , u = ultra-pure, z _{na} = Zn(CH ₃ CO ₂) ₂ + NaOH Reviewed by: <u>659</u> | | | |

Return to Contents



Environmental
Calscience

Supplemental Report 1

The original report has been revised/corrected.



WORK ORDER NUMBER: 15-12-0522

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: ANCHOR QEA, LLC

Client Project Name: San Diego Shipyards- North

Attention: Adam Gale
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Approved for release on 02/18/2016 by:
Carla Hollowell
Project Manager

ResultLink ▶

Email your PM ▶



Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

Client Project Name: San Diego Shipyards- North
Work Order Number: 15-12-0522

| | | |
|---|--|----|
| 1 | Work Order Narrative. | 3 |
| 2 | Sample Summary. | 4 |
| 3 | Client Sample Data. | 5 |
| | 3.1 SM 2540 B (M) Total Solids (Solid). | 5 |
| | 3.2 EPA 6020 ICP/MS Metals (Solid). | 6 |
| | 3.3 EPA 7471A Mercury (Solid). | 7 |
| | 3.4 EPA 8270C SIM PAHs (Solid). | 8 |
| | 3.5 EPA 8270C SIM PCB Congeners (Solid). | 9 |
| | 3.6 Krone et al. Organotins (Solid). | 13 |
| 4 | Quality Control Sample Data. | 14 |
| | 4.1 MS/MSD. | 14 |
| | 4.2 PDS/PDSD. | 19 |
| | 4.3 Sample Duplicate. | 20 |
| | 4.4 LCS/LCSD. | 21 |
| 5 | Glossary of Terms and Qualifiers. | 26 |
| 6 | Chain-of-Custody/Sample Receipt Form. | 27 |

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 12/07/15. They were assigned to Work Order 15-12-0522.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of ≤ 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

Sample Summary

| | |
|------------------------------|--|
| Client: ANCHOR QEA, LLC | Work Order: 15-12-0522 |
| 27201 Puerta Real, Suite 350 | Project Name: San Diego Shipyards- North |
| Mission Viejo, CA 92691-8306 | PO Number: |
| | Date/Time Received: 12/07/15 18:27 |
| | Number of Containers: 2 |

Attn: Adam Gale

| Sample Identification | Lab Number | Collection Date and Time | Number of Containers | Matrix |
|-------------------------|--------------|--------------------------|----------------------|----------|
| SD-N-C-21-D-0005-151207 | 15-12-0522-1 | 12/07/15 11:25 | 1 | Sediment |
| SD-N-C-21-D-0535-151207 | 15-12-0522-2 | 12/07/15 11:25 | 1 | Sediment |

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 12/07/15
 Work Order: 15-12-0522
 Preparation: N/A
 Method: SM 2540 B (M)
 Units: %

Project: San Diego Shipyards- North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-21-D-0535-151207 | 15-12-0522-2-A | 12/07/15 11:25 | Sediment | N/A | 12/08/15 | 12/08/15 15:30 | F1208TSB1 |

| Parameter | Result | RL | DF | Qualifiers |
|---------------|--------|-------|------|------------|
| Solids, Total | 81.3 | 0.100 | 1.00 | |

| Method Blank | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-05-019-3149 | N/A | Solid | N/A | 12/08/15 | 12/08/15 15:30 | F1208TSB1 |

| Parameter | Result | RL | DF | Qualifiers |
|---------------|--------|-------|------|------------|
| Solids, Total | ND | 0.100 | 1.00 | |

Return to Contents 

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 12/07/15
 Work Order: 15-12-0522
 Preparation: EPA 3050B
 Method: EPA 6020
 Units: mg/kg

Project: San Diego Shipyards- North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-21-D-0535-151207 | 15-12-0522-2-AA | 12/07/15 11:25 | Sediment | ICP/MS 03 | 12/07/15 | 12/08/15 12:41 | 151207L01E |

Comment(s): - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|-------|--------|------|------------|
| Copper | 20.0 | 0.123 | 0.0516 | 1.00 | |

| Method Blank | 099-15-254-377 | N/A | Solid | ICP/MS 03 | 12/07/15 | 12/08/15 12:06 | 151207L01E |
|--------------|----------------|-----|-------|-----------|----------|----------------|------------|
|--------------|----------------|-----|-------|-----------|----------|----------------|------------|

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|-------|--------|------|------------|
| Copper | ND | 0.100 | 0.0419 | 1.00 | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 12/07/15
 Work Order: 15-12-0522
 Preparation: EPA 7471A Total
 Method: EPA 7471A
 Units: mg/kg

Project: San Diego Shipyards- North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-21-D-0535-151207 | 15-12-0522-2-AA | 12/07/15 11:25 | Sediment | Mercury 05 | 12/08/15 | 12/08/15 14:18 | 151208L01E |

Comment(s): - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|--------|---------|------|------------|
| Mercury | 0.0453 | 0.0238 | 0.00699 | 1.00 | |

| Method Blank | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-16-278-189 | N/A | Solid | Mercury 05 | 12/08/15 | 12/08/15 13:38 | 151208L01E |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|--------|---------|------|------------|
| Mercury | ND | 0.0200 | 0.00587 | 1.00 | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 12/07/15
 Work Order: 15-12-0522
 Preparation: EPA 3541
 Method: EPA 8270C SIM PAHs
 Units: ug/kg

Project: San Diego Shipyards- North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-21-D-0535-151207 | 15-12-0522-2-AA | 12/07/15 11:25 | Sediment | GC/MS AAA | 12/08/15 | 12/08/15 13:37 | 151208L01 |

Comment(s): - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-------------------------|--------|----|-----|------|------------|
| Benzo (a) Anthracene | 44 | 12 | 2.7 | 1.00 | |
| Benzo (a) Pyrene | 70 | 12 | 2.3 | 1.00 | |
| Chrysene | 140 | 12 | 2.7 | 1.00 | |
| Dibenz (a,h) Anthracene | 7.8 | 12 | 2.4 | 1.00 | J |
| Fluoranthene | 150 | 12 | 2.2 | 1.00 | |
| Perylene | 14 | 12 | 2.9 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|------------------|----------|----------------|------------|
| 2-Fluorobiphenyl | 64 | 14-146 | |
| Nitrobenzene-d5 | 69 | 18-162 | |
| p-Terphenyl-d14 | 73 | 34-148 | |

| Method Blank | 099-14-097-194 | N/A | Solid | GC/MS AAA | 12/08/15 | 12/08/15 12:18 | 151208L01 |
|--------------|----------------|-----|-------|-----------|----------|----------------|-----------|
|--------------|----------------|-----|-------|-----------|----------|----------------|-----------|

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-------------------------|--------|----|-----|------|------------|
| Benzo (a) Anthracene | ND | 10 | 2.2 | 1.00 | |
| Benzo (a) Pyrene | ND | 10 | 1.8 | 1.00 | |
| Chrysene | ND | 10 | 2.2 | 1.00 | |
| Dibenz (a,h) Anthracene | ND | 10 | 2.0 | 1.00 | |
| Fluoranthene | ND | 10 | 1.8 | 1.00 | |
| Perylene | ND | 10 | 2.4 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|------------------|----------|----------------|------------|
| 2-Fluorobiphenyl | 53 | 14-146 | |
| Nitrobenzene-d5 | 53 | 18-162 | |
| p-Terphenyl-d14 | 56 | 34-148 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 12/07/15
 Work Order: 15-12-0522
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyards- North

Page 1 of 4

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-21-D-0535-151207 | 15-12-0522-2-AA | 12/07/15 11:25 | Sediment | GC/MS HHH | 12/08/15 | 12/08/15 14:36 | 151208L02 |

Comment(s):
 - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|------------|--------|------|-------|------|------------|
| PCB018 | ND | 0.25 | 0.088 | 1.00 | |
| PCB028 | 0.19 | 0.25 | 0.041 | 1.00 | J |
| PCB037 | ND | 0.25 | 0.075 | 1.00 | |
| PCB044 | 0.32 | 0.25 | 0.11 | 1.00 | |
| PCB049 | 0.22 | 0.25 | 0.14 | 1.00 | J |
| PCB052 | 0.33 | 0.25 | 0.078 | 1.00 | |
| PCB066 | 0.23 | 0.25 | 0.13 | 1.00 | J |
| PCB070 | 0.33 | 0.25 | 0.074 | 1.00 | |
| PCB074 | 0.15 | 0.25 | 0.11 | 1.00 | J |
| PCB077 | ND | 0.25 | 0.096 | 1.00 | |
| PCB081 | ND | 0.25 | 0.15 | 1.00 | |
| PCB087 | ND | 0.25 | 0.13 | 1.00 | |
| PCB099 | 0.22 | 0.25 | 0.075 | 1.00 | J |
| PCB101 | 0.51 | 0.25 | 0.12 | 1.00 | |
| PCB105 | ND | 0.25 | 0.068 | 1.00 | |
| PCB110 | 0.47 | 0.25 | 0.057 | 1.00 | |
| PCB114 | ND | 0.25 | 0.10 | 1.00 | |
| PCB118 | 0.36 | 0.25 | 0.10 | 1.00 | |
| PCB119 | ND | 0.25 | 0.12 | 1.00 | |
| PCB123 | ND | 0.25 | 0.13 | 1.00 | |
| PCB126 | ND | 0.25 | 0.099 | 1.00 | |
| PCB128 | ND | 0.25 | 0.13 | 1.00 | |
| PCB132/153 | 0.58 | 0.49 | 0.21 | 1.00 | |
| PCB138/158 | 0.53 | 0.49 | 0.12 | 1.00 | |
| PCB149 | 0.35 | 0.25 | 0.12 | 1.00 | |
| PCB151 | ND | 0.25 | 0.083 | 1.00 | |
| PCB156 | ND | 0.25 | 0.071 | 1.00 | |
| PCB157 | ND | 0.25 | 0.065 | 1.00 | |
| PCB167 | ND | 0.25 | 0.076 | 1.00 | |
| PCB168 | ND | 0.25 | 0.060 | 1.00 | |
| PCB169 | ND | 0.25 | 0.075 | 1.00 | |
| PCB170 | ND | 0.25 | 0.078 | 1.00 | |
| PCB177 | ND | 0.25 | 0.11 | 1.00 | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 12/07/15
 Work Order: 15-12-0522
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyards- North

Page 2 of 4

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|-----------------|-----------------------|-------------------|-----------|-------------------|
| PCB180 | 0.34 | 0.25 | 0.052 | 1.00 | |
| PCB183 | ND | 0.25 | 0.14 | 1.00 | |
| PCB187 | 0.16 | 0.25 | 0.10 | 1.00 | J |
| PCB189 | ND | 0.25 | 0.075 | 1.00 | |
| PCB194 | ND | 0.25 | 0.14 | 1.00 | |
| PCB201 | ND | 0.25 | 0.12 | 1.00 | |
| PCB206 | ND | 0.25 | 0.24 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | | |
| 2-Fluorobiphenyl | 108 | 50-150 | | | |
| p-Terphenyl-d14 | 90 | 50-150 | | | |

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 12/07/15
 Work Order: 15-12-0522
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyards- North

Page 3 of 4

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-16-418-187 | N/A | Solid | GC/MS HHH | 12/08/15 | 12/08/15 12:24 | 151208L02 |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|------------|--------|------|-------|------|------------|
| PCB018 | ND | 0.20 | 0.071 | 1.00 | |
| PCB028 | ND | 0.20 | 0.034 | 1.00 | |
| PCB037 | ND | 0.20 | 0.060 | 1.00 | |
| PCB044 | ND | 0.20 | 0.087 | 1.00 | |
| PCB049 | ND | 0.20 | 0.11 | 1.00 | |
| PCB052 | ND | 0.20 | 0.063 | 1.00 | |
| PCB066 | ND | 0.20 | 0.10 | 1.00 | |
| PCB070 | ND | 0.20 | 0.060 | 1.00 | |
| PCB074 | ND | 0.20 | 0.087 | 1.00 | |
| PCB077 | ND | 0.20 | 0.078 | 1.00 | |
| PCB081 | ND | 0.20 | 0.12 | 1.00 | |
| PCB087 | ND | 0.20 | 0.11 | 1.00 | |
| PCB099 | ND | 0.20 | 0.061 | 1.00 | |
| PCB101 | ND | 0.20 | 0.098 | 1.00 | |
| PCB105 | ND | 0.20 | 0.055 | 1.00 | |
| PCB110 | ND | 0.20 | 0.046 | 1.00 | |
| PCB114 | ND | 0.20 | 0.082 | 1.00 | |
| PCB118 | ND | 0.20 | 0.084 | 1.00 | |
| PCB119 | ND | 0.20 | 0.094 | 1.00 | |
| PCB123 | ND | 0.20 | 0.10 | 1.00 | |
| PCB126 | ND | 0.20 | 0.080 | 1.00 | |
| PCB128 | ND | 0.20 | 0.10 | 1.00 | |
| PCB132/153 | ND | 0.40 | 0.17 | 1.00 | |
| PCB138/158 | ND | 0.40 | 0.094 | 1.00 | |
| PCB149 | ND | 0.20 | 0.098 | 1.00 | |
| PCB151 | ND | 0.20 | 0.067 | 1.00 | |
| PCB156 | ND | 0.20 | 0.058 | 1.00 | |
| PCB157 | ND | 0.20 | 0.052 | 1.00 | |
| PCB167 | ND | 0.20 | 0.062 | 1.00 | |
| PCB168 | ND | 0.20 | 0.049 | 1.00 | |
| PCB169 | ND | 0.20 | 0.061 | 1.00 | |
| PCB170 | ND | 0.20 | 0.063 | 1.00 | |
| PCB177 | ND | 0.20 | 0.087 | 1.00 | |
| PCB180 | ND | 0.20 | 0.042 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 12/07/15
 Work Order: 15-12-0522
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyards- North

Page 4 of 4

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|-----------------|-----------------------|-------------------|-----------|-------------------|
| PCB183 | ND | 0.20 | 0.11 | 1.00 | |
| PCB187 | ND | 0.20 | 0.084 | 1.00 | |
| PCB189 | ND | 0.20 | 0.061 | 1.00 | |
| PCB194 | ND | 0.20 | 0.11 | 1.00 | |
| PCB201 | ND | 0.20 | 0.097 | 1.00 | |
| PCB206 | ND | 0.20 | 0.19 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | | |
| 2-Fluorobiphenyl | 97 | 50-150 | | | |
| p-Terphenyl-d14 | 85 | 50-150 | | | |

Return to Contents 

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 12/07/15
 Work Order: 15-12-0522
 Preparation: EPA 3550B (M)
 Method: Organotins by Krone et al.
 Units: ug/kg

Project: San Diego Shipyards- North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-21-D-0535-151207 | 15-12-0522-2-AA | 12/07/15 11:25 | Sediment | GC/MS Y | 12/08/15 | 12/09/15 12:01 | 151208L03 |

Comment(s):
 - Results are reported on a dry weight basis.
 - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-------------|--------|-----|-----|------|------------|
| Tributyltin | 3.5 | 3.7 | 1.8 | 1.00 | J |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|--------------|----------|----------------|------------|
| Tripentyltin | 132 | 27-135 | |

| Method Blank | 099-07-016-1343 | N/A | Solid | GC/MS Y | 12/08/15 | 12/09/15 11:14 | 151208L03 |
|--------------|-----------------|-----|-------|---------|----------|----------------|-----------|
|--------------|-----------------|-----|-------|---------|----------|----------------|-----------|

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-------------|--------|-----|-----|------|------------|
| Tributyltin | ND | 3.0 | 1.5 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|--------------|----------|----------------|------------|
| Tripentyltin | 129 | 27-135 | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 12/07/15
 Work Order: 15-12-0522
 Preparation: EPA 3050B
 Method: EPA 6020

Project: San Diego Shipyards- North

Page 1 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-21-D-0535-151207 | Sample | Sediment | ICP/MS 03 | 12/07/15 | 12/08/15 12:41 | 151207S01 |
| SD-N-C-21-D-0535-151207 | Matrix Spike | Sediment | ICP/MS 03 | 12/07/15 | 12/08/15 12:17 | 151207S01 |
| SD-N-C-21-D-0535-151207 | Matrix Spike Duplicate | Sediment | ICP/MS 03 | 12/07/15 | 12/08/15 12:20 | 151207S01 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Copper | 16.30 | 25.00 | 43.63 | 109 | 44.56 | 113 | 80-120 | 2 | 0-20 | |

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 12/07/15
 Work Order: 15-12-0522
 Preparation: EPA 7471A Total
 Method: EPA 7471A

Project: San Diego Shipyards- North

Page 2 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|--------|------------|---------------|----------------|---------------------|
| 15-12-0536-5 | Sample | Solid | Mercury 05 | 12/08/15 | 12/08/15 15:19 | 151208S01 |
| 15-12-0536-5 | Matrix Spike | Solid | Mercury 05 | 12/08/15 | 12/08/15 15:21 | 151208S01 |
| 15-12-0536-5 | Matrix Spike Duplicate | Solid | Mercury 05 | 12/08/15 | 12/08/15 15:23 | 151208S01 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Mercury | 58.87 | 0.8350 | 40.82 | 4X | 40.27 | 4X | 71-137 | 4X | 0-14 | Q |

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 12/07/15
 Work Order: 15-12-0522
 Preparation: EPA 3541
 Method: EPA 8270C SIM PAHs

Project: San Diego Shipyards- North

Page 3 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-21-D-0535-151207 | Sample | Sediment | GC/MS AAA | 12/08/15 | 12/08/15 13:37 | 151208S01 |
| SD-N-C-21-D-0535-151207 | Matrix Spike | Sediment | GC/MS AAA | 12/08/15 | 12/08/15 13:17 | 151208S01 |
| SD-N-C-21-D-0535-151207 | Matrix Spike Duplicate | Sediment | GC/MS AAA | 12/08/15 | 12/08/15 13:57 | 151208S01 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-------------------------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Benzo (a) Anthracene | 35.62 | 100.0 | 109.0 | 73 | 72.50 | 37 | 40-160 | 40 | 0-20 | 3,4 |
| Benzo (a) Pyrene | 56.51 | 100.0 | 99.57 | 43 | 69.86 | 13 | 40-160 | 35 | 0-20 | 3,4 |
| Chrysene | 115.7 | 100.0 | 168.1 | 52 | 74.84 | 0 | 40-160 | 77 | 0-20 | 3,4 |
| Dibenz (a,h) Anthracene | ND | 100.0 | 65.90 | 66 | 58.49 | 58 | 40-160 | 12 | 0-20 | |
| Fluoranthene | 120.0 | 100.0 | 238.1 | 118 | 121.3 | 1 | 40-160 | 65 | 0-20 | 3,4 |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 12/07/15
 Work Order: 15-12-0522
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners

Project: San Diego Shipyards- North

Page 4 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-21-D-0535-151207 | Sample | Sediment | GC/MS HHH | 12/08/15 | 12/08/15 14:36 | 151208S02 |
| SD-N-C-21-D-0535-151207 | Matrix Spike | Sediment | GC/MS HHH | 12/08/15 | 12/08/15 15:00 | 151208S02 |
| SD-N-C-21-D-0535-151207 | Matrix Spike Duplicate | Sediment | GC/MS HHH | 12/08/15 | 12/08/15 15:24 | 151208S02 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| PCB018 | ND | 50.00 | 47.51 | 95 | 46.59 | 93 | 50-150 | 2 | 0-25 | |
| PCB028 | ND | 50.00 | 50.78 | 102 | 49.68 | 99 | 50-150 | 2 | 0-25 | |
| PCB044 | 0.2589 | 50.00 | 47.14 | 94 | 45.80 | 91 | 50-150 | 3 | 0-25 | |
| PCB052 | 0.2720 | 50.00 | 45.85 | 91 | 43.99 | 87 | 50-150 | 4 | 0-25 | |
| PCB066 | ND | 50.00 | 53.74 | 107 | 52.30 | 105 | 50-150 | 3 | 0-25 | |
| PCB077 | ND | 50.00 | 49.49 | 99 | 48.17 | 96 | 50-150 | 3 | 0-25 | |
| PCB101 | 0.4124 | 50.00 | 47.55 | 94 | 45.62 | 90 | 50-150 | 4 | 0-25 | |
| PCB105 | ND | 50.00 | 49.83 | 100 | 48.29 | 97 | 50-150 | 3 | 0-25 | |
| PCB118 | 0.2967 | 50.00 | 53.83 | 107 | 52.11 | 104 | 50-150 | 3 | 0-25 | |
| PCB126 | ND | 50.00 | 48.09 | 96 | 47.29 | 95 | 50-150 | 2 | 0-25 | |
| PCB128 | ND | 50.00 | 48.24 | 96 | 46.88 | 94 | 50-150 | 3 | 0-25 | |
| PCB170 | ND | 50.00 | 50.44 | 101 | 48.47 | 97 | 50-150 | 4 | 0-25 | |
| PCB180 | 0.2746 | 50.00 | 49.88 | 99 | 46.31 | 92 | 50-150 | 7 | 0-25 | |
| PCB187 | ND | 50.00 | 46.75 | 93 | 45.31 | 91 | 50-150 | 3 | 0-25 | |
| PCB206 | ND | 50.00 | 48.07 | 96 | 45.55 | 91 | 50-150 | 5 | 0-25 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 12/07/15
 Work Order: 15-12-0522
 Preparation: EPA 3550B (M)
 Method: Organotins by Krone et al.

Project: San Diego Shipyards- North

Page 5 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-21-D-0535-151207 | Sample | Sediment | GC/MS Y | 12/08/15 | 12/09/15 12:01 | 151208S03 |
| SD-N-C-21-D-0535-151207 | Matrix Spike | Sediment | GC/MS Y | 12/08/15 | 12/09/15 12:32 | 151208S03 |
| SD-N-C-21-D-0535-151207 | Matrix Spike Duplicate | Sediment | GC/MS Y | 12/08/15 | 12/09/15 12:48 | 151208S03 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-------------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Tributyltin | ND | 100.0 | 97.13 | 97 | 112.8 | 113 | 34-142 | 15 | 0-50 | |

Return to Contents 

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - PDS

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 12/07/15
 Work Order: 15-12-0522
 Preparation: EPA 3050B
 Method: EPA 6020

Project: San Diego Shipyards- North

Page 1 of 1

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | PDS/PDSD Batch Number |
|---------------------------|--------|----------|------------|----------------|----------------|-----------------------|
| SD-N-C-21-D-0535-151207 | Sample | Sediment | ICP/MS 03 | 12/07/15 00:00 | 12/08/15 12:41 | 151207S01 |
| SD-N-C-21-D-0535-151207 | PDS | Sediment | ICP/MS 03 | 12/07/15 00:00 | 12/08/15 12:24 | 151207S01 |

| Parameter | Sample Conc. | Spike Added | PDS Conc. | PDS %Rec. | %Rec. CL | Qualifiers |
|-----------|--------------|-------------|-----------|-----------|----------|------------|
| Copper | 16.30 | 25.00 | 40.64 | 97 | 75-125 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - Sample Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 12/07/15
 Work Order: 15-12-0522
 Preparation: N/A
 Method: SM 2540 B (M)

Project: San Diego Shipyards- North

Page 1 of 1

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | Duplicate Batch Number |
|---------------------------|------------------|----------|------------|----------------|----------------|------------------------|
| SD-N-C-21-D-0535-151207 | Sample | Sediment | N/A | 12/08/15 00:00 | 12/08/15 15:30 | F1208TSD1 |
| SD-N-C-21-D-0535-151207 | Sample Duplicate | Sediment | N/A | 12/08/15 00:00 | 12/08/15 15:30 | F1208TSD1 |

| Parameter | Sample Conc. | DUP Conc. | RPD | RPD CL | Qualifiers |
|---------------|--------------|-----------|-----|--------|------------|
| Solids, Total | 81.30 | 81.30 | 0 | 0-10 | |

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 12/07/15
 Work Order: 15-12-0522
 Preparation: EPA 3050B
 Method: EPA 6020

Project: San Diego Shipyards- North

Page 1 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|------|--------|------------|---------------|----------------|-----------------------|
| 099-15-254-377 | LCS | Solid | ICP/MS 03 | 12/07/15 | 12/08/15 12:10 | 151207L01E |
| 099-15-254-377 | LCSD | Solid | ICP/MS 03 | 12/07/15 | 12/08/15 12:13 | 151207L01E |

| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|-------------|-----------|-----------|------------|------------|----------|-----|--------|------------|
| Copper | 25.00 | 26.17 | 105 | 26.44 | 106 | 80-120 | 1 | 0-20 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 12/07/15
 Work Order: 15-12-0522
 Preparation: EPA 7471A Total
 Method: EPA 7471A

Project: San Diego Shipyards- North

Page 2 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|------|--------|------------|---------------|----------------|-----------------------|
| 099-16-278-189 | LCS | Solid | Mercury 05 | 12/08/15 | 12/08/15 13:40 | 151208L01E |
| 099-16-278-189 | LCSD | Solid | Mercury 05 | 12/08/15 | 12/08/15 14:25 | 151208L01E |

| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|-------------|-----------|-----------|------------|------------|----------|-----|--------|------------|
| Mercury | 0.8350 | 0.8288 | 99 | 0.7847 | 94 | 82-124 | 5 | 0-16 | |

Return to Contents 

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 12/07/15
 Work Order: 15-12-0522
 Preparation: EPA 3541
 Method: EPA 8270C SIM PAHs

Project: San Diego Shipyards- North

Page 3 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|-------------|--------------|------------------|-----------------|-----------------------|-----------------------|
| 099-14-097-194 | LCS | Solid | GC/MS AAA | 12/08/15 | 12/08/15 12:38 | 151208L01 |
| 099-14-097-194 | LCSD | Solid | GC/MS AAA | 12/08/15 | 12/08/15 12:57 | 151208L01 |

| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-------------------------|-------------|-----------|-----------|------------|------------|----------|-----|--------|------------|
| Benzo (a) Anthracene | 100.0 | 56.50 | 56 | 58.37 | 58 | 40-160 | 3 | 0-20 | |
| Benzo (a) Pyrene | 100.0 | 56.91 | 57 | 57.77 | 58 | 40-160 | 1 | 0-20 | |
| Chrysene | 100.0 | 58.78 | 59 | 59.36 | 59 | 40-160 | 1 | 0-20 | |
| Dibenz (a,h) Anthracene | 100.0 | 51.91 | 52 | 52.41 | 52 | 40-160 | 1 | 0-20 | |
| Fluoranthene | 100.0 | 59.06 | 59 | 60.65 | 61 | 40-160 | 3 | 0-20 | |

Return to Contents 

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 12/07/15
 Work Order: 15-12-0522
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners

Project: San Diego Shipyards- North

Page 4 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number | | | | |
|---------------------------|-------------|-----------|------------|---------------|----------------|-----------------------|--------|-----|--------|------------|
| 099-16-418-187 | LCS | Solid | GC/MS HHH | 12/08/15 | 12/08/15 12:47 | 151208L02 | | | | |
| 099-16-418-187 | LCSD | Solid | GC/MS HHH | 12/08/15 | 12/08/15 13:14 | 151208L02 | | | | |
| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | ME CL | RPD | RPD CL | Qualifiers |
| PCB018 | 50.00 | 46.52 | 93 | 57.98 | 116 | 50-150 | 33-167 | 22 | 0-25 | |
| PCB028 | 50.00 | 49.23 | 98 | 61.57 | 123 | 50-150 | 33-167 | 22 | 0-25 | |
| PCB044 | 50.00 | 46.83 | 94 | 58.24 | 116 | 50-150 | 33-167 | 22 | 0-25 | |
| PCB052 | 50.00 | 43.34 | 87 | 54.85 | 110 | 50-150 | 33-167 | 23 | 0-25 | |
| PCB066 | 50.00 | 53.66 | 107 | 66.00 | 132 | 50-150 | 33-167 | 21 | 0-25 | |
| PCB077 | 50.00 | 50.00 | 100 | 62.57 | 125 | 50-150 | 33-167 | 22 | 0-25 | |
| PCB101 | 50.00 | 46.72 | 93 | 58.05 | 116 | 50-150 | 33-167 | 22 | 0-25 | |
| PCB105 | 50.00 | 50.37 | 101 | 62.23 | 124 | 50-150 | 33-167 | 21 | 0-25 | |
| PCB118 | 50.00 | 52.92 | 106 | 66.37 | 133 | 50-150 | 33-167 | 23 | 0-25 | |
| PCB126 | 50.00 | 49.64 | 99 | 62.10 | 124 | 50-150 | 33-167 | 22 | 0-25 | |
| PCB128 | 50.00 | 48.83 | 98 | 61.20 | 122 | 50-150 | 33-167 | 22 | 0-25 | |
| PCB170 | 50.00 | 52.79 | 106 | 66.70 | 133 | 50-150 | 33-167 | 23 | 0-25 | |
| PCB180 | 50.00 | 50.18 | 100 | 63.58 | 127 | 50-150 | 33-167 | 24 | 0-25 | |
| PCB187 | 50.00 | 46.73 | 93 | 59.07 | 118 | 50-150 | 33-167 | 23 | 0-25 | |
| PCB206 | 50.00 | 50.77 | 102 | 63.89 | 128 | 50-150 | 33-167 | 23 | 0-25 | |

Total number of LCS compounds: 15
 Total number of ME compounds: 0
 Total number of ME compounds allowed: 1
 LCS ME CL validation result: Pass

[Return to Contents](#)

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 12/07/15
 Work Order: 15-12-0522
 Preparation: EPA 3550B (M)
 Method: Organotins by Krone et al.

Project: San Diego Shipyards- North

Page 5 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|------|--------|------------|---------------|----------------|-----------------------|
| 099-07-016-1343 | LCS | Solid | GC/MS Y | 12/08/15 | 12/09/15 11:30 | 151208L03 |
| 099-07-016-1343 | LCSD | Solid | GC/MS Y | 12/08/15 | 12/09/15 11:45 | 151208L03 |

| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-------------|-------------|-----------|-----------|------------|------------|----------|-----|--------|------------|
| Tributyltin | 100.0 | 83.96 | 84 | 86.11 | 86 | 33-147 | 3 | 0-20 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

| <u>Qualifiers</u> | <u>Definition</u> |
|-------------------|---|
| * | See applicable analysis comment. |
| < | Less than the indicated value. |
| > | Greater than the indicated value. |
| 1 | Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification. |
| 2 | Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification. |
| 3 | Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control. |
| 4 | The MS/MSD RPD was out of control due to suspected matrix interference. |
| 5 | The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference. |
| 6 | Surrogate recovery below the acceptance limit. |
| 7 | Surrogate recovery above the acceptance limit. |
| B | Analyte was present in the associated method blank. |
| BU | Sample analyzed after holding time expired. |
| BV | Sample received after holding time expired. |
| CI | See case narrative. |
| E | Concentration exceeds the calibration range. |
| ET | Sample was extracted past end of recommended max. holding time. |
| HD | The chromatographic pattern was inconsistent with the profile of the reference fuel standard. |
| HDH | The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected). |
| HDL | The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected). |
| J | Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated. |
| JA | Analyte positively identified but quantitation is an estimate. |
| ME | LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean). |
| ND | Parameter not detected at the indicated reporting limit. |
| Q | Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater. |
| SG | The sample extract was subjected to Silica Gel treatment prior to analysis. |
| X | % Recovery and/or RPD out-of-range. |
| Z | Analyte presence was not confirmed by second column or GC/MS analysis. |
| | Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis. |
| | Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time. |
| | A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations. |

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: ANCHOR QEA

DATE: 12/07/2015

TEMPERATURE: (Criteria: 0.0°C - 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC2 (CF:-0.4°C); Temperature (w/o CF): 3.1 °C (w/ CF): 2.7 °C; [x] Blank [] Sample

[] Sample(s) outside temperature criteria (PM/APM contacted by: _____)

[] Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

[] Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: [] Air [] Filter

Checked by: 671

CUSTODY SEAL:

Cooler [] Present and Intact [] Present but Not Intact [x] Not Present [] N/A

Checked by: 671

Sample(s) [] Present and Intact [] Present but Not Intact [x] Not Present [] N/A

Checked by: 1053

SAMPLE CONDITION:

Table with columns Yes, No, N/A and rows for Chain-of-Custody (COC) document(s) received with samples, COC document(s) received complete, Sampler's name indicated on COC, Sample container label(s) consistent with COC, Sample container(s) intact and in good condition, Proper containers for analyses requested, Sufficient volume/mass for analyses requested, Samples received within holding time, Aqueous samples for certain analyses received within 15-minute holding time, Proper preservation chemical(s) noted on COC and/or sample container, Unpreserved aqueous sample(s) received for certain analyses, Container(s) for certain analysis free of headspace, Tedlar™ bag(s) free of condensation.

CONTAINER TYPE:

(Trip Blank Lot Number: _____)

Aqueous: [] VOA [] VOA h [] VOAn2 [] 100PJ [] 100PJna2 [] 125AGB [] 125AGBh [] 125AGBp [] 125PB

[] 125PBz nna [] 250AGB [] 250CGB [] 250CGBs [] 250PB [] 250PBn [] 500AGB [] 500AGJ [] 500AGJs

[] 500PB [] 1AGB [] 1AGBna2 [] 1AGBs [] 1PB [] 1PBna [] [] [] [] []

Solid: [] 4ozCGJ [] 8ozCGJ [x] 16ozCGJ [] Sleeve (____) [] EnCores® (____) [] TerraCores® (____) []

Air: [] Tedlar™ [] Canister [] Sorbent Tube [] PUF [] [] Other Matrix (____): [] []

Container: A = Amber, B = Bottle, C = Clear, E = Envelope, G = Glass, J = Jar, P = Plastic, and Z = Ziploc/Resealable Bag

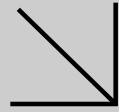
Preservative: b = buffered, f = filtered, h = HCl, n = HNO3, na = NaOH, na2 = Na2S2O3, p = H3PO4, Labeled/Checked by: 1053

s = H2SO4, u = ultra-pure, z nna = Zn(CH3CO2)2 + NaOH

Reviewed by: 671



Calscience



WORK ORDER NUMBER: 15-12-1012

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: ANCHOR QEA, LLC

Client Project Name: San Diego Shipyards- North

Attention: Kyle King
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Approved for release on 12/15/2015 by:
Carla Hollowell
Project Manager

ResultLink ▶

Email your PM ▶



Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

Contents

Client Project Name: San Diego Shipyards- North
 Work Order Number: 15-12-1012

| | | |
|---|--|----|
| 1 | Certification, 15-12-1012. | 3 |
| 2 | Work Order Narrative. | 4 |
| 3 | Sample Summary. | 5 |
| 4 | Client Sample Data. | 6 |
| | 4.1 SM 2540 B (M) Total Solids (Solid). | 6 |
| | 4.2 EPA 6020 ICP/MS Metals (Solid). | 7 |
| | 4.3 EPA 7471A Mercury (Solid). | 8 |
| | 4.4 EPA 8270C SIM PAHs (Solid). | 9 |
| | 4.5 EPA 8270C SIM PCB Congeners (Solid). | 13 |
| | 4.6 Krone et al. Organotins (Solid). | 21 |
| 5 | Quality Control Sample Data. | 22 |
| | 5.1 MS/MSD. | 22 |
| | 5.2 PDS/PDSD. | 27 |
| | 5.3 Sample Duplicate. | 28 |
| | 5.4 LCS/LCSD. | 29 |
| 6 | Glossary of Terms and Qualifiers. | 34 |
| 7 | Chain-of-Custody/Sample Receipt Form. | 35 |

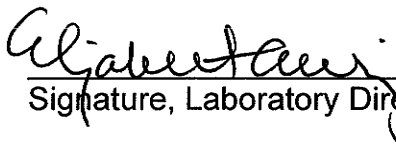
CERTIFICATION

All analyses were conducted at a laboratory certified for such analyses by the California Department of Public Health in accordance with applicable USEPA and NELAP accreditation procedures.

I certify under penalty of law that the data generated for Calscience Work Order Number 15-12-1012 was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. The Project Manager or designee who signed the Eurofins Calscience Work Order has been specifically authorized and approved to do so.

The information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment for knowing violations

 Return to Contents



Signature, Laboratory Director

12/15/2015
Date

Name of Laboratory: **Eurofins Calscience**
Address of Laboratory: **7440 Lincoln Way**
Garden Grove, CA 92841-1432

This Certification signed by: **Elizabeth Winger**

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 12/12/15. They were assigned to Work Order 15-12-1012.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of ≤ 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.



Calscience

Sample Summary

| | |
|------------------------------|--|
| Client: ANCHOR QEA, LLC | Work Order: 15-12-1012 |
| 27201 Puerta Real, Suite 350 | Project Name: San Diego Shipyards- North |
| Mission Viejo, CA 92691-8306 | PO Number: |
| | Date/Time Received: 12/12/15 14:02 |
| | Number of Containers: 6 |

Attn: Kyle King

| Sample Identification | Lab Number | Collection Date and Time | Number of Containers | Matrix |
|-------------------------|--------------|--------------------------|----------------------|----------|
| SD-N-C-08-D-0005-151212 | 15-12-1012-1 | 12/12/15 08:55 | 1 | Sediment |
| SD-N-C-08-D-0535-151212 | 15-12-1012-2 | 12/12/15 08:55 | 1 | Sediment |
| SD-N-C-7B-D-0505-151212 | 15-12-1012-3 | 12/12/15 09:30 | 1 | Sediment |
| SD-N-C-7B-D-0535-151212 | 15-12-1012-4 | 12/12/15 09:30 | 1 | Sediment |
| SD-N-C-7A-D-0005-151212 | 15-12-1012-5 | 12/12/15 09:55 | 1 | Sediment |
| SD-N-C-7A-D-0535-151212 | 15-12-1012-6 | 12/12/15 09:55 | 1 | Sediment |

Return to Contents



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 12/12/15
Work Order: 15-12-1012
Preparation: N/A
Method: SM 2540 B (M)
Units: %

Project: San Diego Shipyards- North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------------|------------------------|---------------------------|-----------------|------------|-----------------|---------------------------|-------------------|
| SD-N-C-08-D-0535-151212 | 15-12-1012-2-AA | 12/12/15 08:55 | Sediment | N/A | 12/12/15 | 12/14/15 15:00 | F1214TSB1 |
| <u>Parameter</u> | | <u>Result</u> | <u>RL</u> | | <u>DF</u> | | <u>Qualifiers</u> |
| Solids, Total | | 82.6 | 0.100 | | 1.00 | | |
| SD-N-C-7B-D-0535-151212 | 15-12-1012-4-AA | 12/12/15 09:30 | Sediment | N/A | 12/12/15 | 12/14/15 15:00 | F1214TSB1 |
| <u>Parameter</u> | | <u>Result</u> | <u>RL</u> | | <u>DF</u> | | <u>Qualifiers</u> |
| Solids, Total | | 73.4 | 0.100 | | 1.00 | | |
| SD-N-C-7A-D-0535-151212 | 15-12-1012-6-AA | 12/12/15 09:55 | Sediment | N/A | 12/12/15 | 12/14/15 15:00 | F1214TSB1 |
| <u>Parameter</u> | | <u>Result</u> | <u>RL</u> | | <u>DF</u> | | <u>Qualifiers</u> |
| Solids, Total | | 76.7 | 0.100 | | 1.00 | | |
| Method Blank | 099-05-019-3152 | N/A | Solid | N/A | 12/12/15 | 12/14/15 15:00 | F1214TSB1 |
| <u>Parameter</u> | | <u>Result</u> | <u>RL</u> | | <u>DF</u> | | <u>Qualifiers</u> |
| Solids, Total | | ND | 0.100 | | 1.00 | | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 12/12/15
Work Order: 15-12-1012
Preparation: EPA 3050B
Method: EPA 6020
Units: mg/kg

Project: San Diego Shipyards- North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-08-D-0535-151212 | 15-12-1012-2-AA | 12/12/15 08:55 | Sediment | ICP/MS 03 | 12/12/15 | 12/14/15 12:32 | 151212L01E |

Comment(s): - Results are reported on a dry weight basis.
- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|-------|--------|------|------------|
| Copper | 7.68 | 0.121 | 0.0507 | 1.00 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-7B-D-0535-151212 | 15-12-1012-4-AA | 12/12/15 09:30 | Sediment | ICP/MS 03 | 12/12/15 | 12/14/15 12:36 | 151212L01E |

Comment(s): - Results are reported on a dry weight basis.
- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|-------|--------|------|------------|
| Copper | 84.7 | 0.136 | 0.0571 | 1.00 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-7A-D-0535-151212 | 15-12-1012-6-AA | 12/12/15 09:55 | Sediment | ICP/MS 03 | 12/12/15 | 12/14/15 12:51 | 151212L01E |

Comment(s): - Results are reported on a dry weight basis.
- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|-------|--------|------|------------|
| Copper | 23.6 | 0.130 | 0.0546 | 1.00 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-15-254-379 | N/A | Solid | ICP/MS 03 | 12/12/15 | 12/14/15 11:57 | 151212L01E |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|-------|--------|------|------------|
| Copper | ND | 0.100 | 0.0419 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 12/12/15
Work Order: 15-12-1012
Preparation: EPA 7471A Total
Method: EPA 7471A
Units: mg/kg

Project: San Diego Shipyards- North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-08-D-0535-151212 | 15-12-1012-2-AA | 12/12/15 08:55 | Sediment | Mercury 05 | 12/14/15 | 12/14/15 13:23 | 151214L01E |

Comment(s): - Results are reported on a dry weight basis.
- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|--------|---------|------|------------|
| Mercury | ND | 0.0234 | 0.00688 | 1.00 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-7B-D-0535-151212 | 15-12-1012-4-AA | 12/12/15 09:30 | Sediment | Mercury 05 | 12/14/15 | 12/14/15 13:30 | 151214L01E |

Comment(s): - Results are reported on a dry weight basis.
- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|--------|---------|------|------------|
| Mercury | 0.183 | 0.0260 | 0.00762 | 1.00 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-7A-D-0535-151212 | 15-12-1012-6-AA | 12/12/15 09:55 | Sediment | Mercury 05 | 12/14/15 | 12/14/15 13:32 | 151214L01E |

Comment(s): - Results are reported on a dry weight basis.
- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|--------|---------|------|------------|
| Mercury | 0.135 | 0.0252 | 0.00741 | 1.00 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-16-278-190 | N/A | Solid | Mercury 05 | 12/14/15 | 12/14/15 13:19 | 151214L01E |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|--------|---------|------|------------|
| Mercury | ND | 0.0200 | 0.00587 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 12/12/15
Work Order: 15-12-1012
Preparation: EPA 3541
Method: EPA 8270C SIM PAHs
Units: ug/kg

Project: San Diego Shipyards- North

Page 1 of 4

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-08-D-0535-151212 | 15-12-1012-2-AA | 12/12/15 08:55 | Sediment | GC/MS AAA | 12/12/15 | 12/14/15 12:38 | 151212L04 |

Comment(s): - Results are reported on a dry weight basis.

- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|---------------------------|----------|----------------|------------|------|------------|
| Benzo (a) Anthracene | ND | 12 | 2.6 | 1.00 | |
| Benzo (a) Pyrene | ND | 12 | 2.2 | 1.00 | |
| Benzo (b) Fluoranthene | ND | 12 | 3.3 | 1.00 | |
| Benzo (g,h,i) Perylene | ND | 12 | 1.9 | 1.00 | |
| Benzo (k) Fluoranthene | ND | 12 | 3.4 | 1.00 | |
| Chrysene | ND | 12 | 2.7 | 1.00 | |
| Dibenz (a,h) Anthracene | ND | 12 | 2.4 | 1.00 | |
| Fluoranthene | ND | 12 | 2.2 | 1.00 | |
| Indeno (1,2,3-c,d) Pyrene | ND | 12 | 1.9 | 1.00 | |
| Perylene | ND | 12 | 2.9 | 1.00 | |
| Pyrene | ND | 12 | 2.7 | 1.00 | |
| Surrogate | Rec. (%) | Control Limits | Qualifiers | | |
| 2-Fluorobiphenyl | 74 | 14-146 | | | |
| Nitrobenzene-d5 | 85 | 18-162 | | | |
| p-Terphenyl-d14 | 87 | 34-148 | | | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 12/12/15
Work Order: 15-12-1012
Preparation: EPA 3541
Method: EPA 8270C SIM PAHs
Units: ug/kg

Project: San Diego Shipyards- North

Page 2 of 4

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-7B-D-0535-151212 | 15-12-1012-4-AA | 12/12/15 09:30 | Sediment | GC/MS AAA | 12/12/15 | 12/14/15 12:58 | 151212L04 |

Comment(s): - Results are reported on a dry weight basis.

- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|---------------------------|--------|----|-----|------|------------|
| Benzo (a) Anthracene | 150 | 14 | 2.9 | 1.00 | |
| Benzo (a) Pyrene | 260 | 14 | 2.5 | 1.00 | |
| Benzo (b) Fluoranthene | 300 | 14 | 3.7 | 1.00 | |
| Benzo (g,h,i) Perylene | 130 | 14 | 2.1 | 1.00 | |
| Benzo (k) Fluoranthene | 240 | 14 | 3.8 | 1.00 | |
| Chrysene | 160 | 14 | 3.0 | 1.00 | |
| Dibenz (a,h) Anthracene | 54 | 14 | 2.7 | 1.00 | |
| Fluoranthene | 470 | 14 | 2.5 | 1.00 | |
| Indeno (1,2,3-c,d) Pyrene | 110 | 14 | 2.2 | 1.00 | |
| Perylene | 50 | 14 | 3.2 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|------------------|----------|----------------|------------|
| 2-Fluorobiphenyl | 78 | 14-146 | |
| Nitrobenzene-d5 | 84 | 18-162 | |
| p-Terphenyl-d14 | 99 | 34-148 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-7B-D-0535-151212 | 15-12-1012-4-AA | 12/12/15 09:30 | Sediment | GC/MS AAA | 12/12/15 | 12/14/15 13:38 | 151212L04 |

Comment(s): - Results are reported on a dry weight basis.

- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|----|-----|------|------------|
| Pyrene | 760 | 68 | 15 | 5.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|------------------|----------|----------------|------------|
| 2-Fluorobiphenyl | 78 | 14-146 | |
| Nitrobenzene-d5 | 76 | 18-162 | |
| p-Terphenyl-d14 | 102 | 34-148 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 12/12/15
Work Order: 15-12-1012
Preparation: EPA 3541
Method: EPA 8270C SIM PAHs
Units: ug/kg

Project: San Diego Shipyards- North

Page 3 of 4

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-7A-D-0535-151212 | 15-12-1012-6-AA | 12/12/15 09:55 | Sediment | GC/MS AAA | 12/12/15 | 12/14/15 13:18 | 151212L04 |

Comment(s): - Results are reported on a dry weight basis.

- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|---------------------------|----------|----------------|------------|------|------------|
| Benzo (a) Anthracene | 33 | 13 | 2.8 | 1.00 | |
| Benzo (a) Pyrene | 49 | 13 | 2.4 | 1.00 | |
| Benzo (b) Fluoranthene | 69 | 13 | 3.6 | 1.00 | |
| Benzo (g,h,i) Perylene | 27 | 13 | 2.0 | 1.00 | |
| Benzo (k) Fluoranthene | 50 | 13 | 3.6 | 1.00 | |
| Chrysene | 39 | 13 | 2.9 | 1.00 | |
| Dibenz (a,h) Anthracene | 9.4 | 13 | 2.6 | 1.00 | J |
| Fluoranthene | 110 | 13 | 2.4 | 1.00 | |
| Indeno (1,2,3-c,d) Pyrene | 23 | 13 | 2.1 | 1.00 | |
| Perylene | 11 | 13 | 3.1 | 1.00 | J |
| Pyrene | 140 | 13 | 2.9 | 1.00 | |
| Surrogate | Rec. (%) | Control Limits | Qualifiers | | |
| 2-Fluorobiphenyl | 73 | 14-146 | | | |
| Nitrobenzene-d5 | 83 | 18-162 | | | |
| p-Terphenyl-d14 | 96 | 34-148 | | | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 12/12/15
Work Order: 15-12-1012
Preparation: EPA 3541
Method: EPA 8270C SIM PAHs
Units: ug/kg

Project: San Diego Shipyards- North

Page 4 of 4

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-----------------------|---------------------|--------------|------------------|-----------------|---------------------------|------------------|
| Method Blank | 099-14-097-195 | N/A | Solid | GC/MS AAA | 12/12/15 | 12/14/15 10:57 | 151212L04 |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|---------------------------|---------------|-----------|------------|-----------|-------------------|
| Benzo (a) Anthracene | ND | 10 | 2.2 | 1.00 | |
| Benzo (a) Pyrene | ND | 10 | 1.8 | 1.00 | |
| Benzo (b) Fluoranthene | ND | 10 | 2.7 | 1.00 | |
| Benzo (g,h,i) Perylene | ND | 10 | 1.5 | 1.00 | |
| Benzo (k) Fluoranthene | ND | 10 | 2.8 | 1.00 | |
| Chrysene | ND | 10 | 2.2 | 1.00 | |
| Dibenz (a,h) Anthracene | ND | 10 | 2.0 | 1.00 | |
| Fluoranthene | ND | 10 | 1.8 | 1.00 | |
| Indeno (1,2,3-c,d) Pyrene | ND | 10 | 1.6 | 1.00 | |
| Perylene | ND | 10 | 2.4 | 1.00 | |
| Pyrene | ND | 10 | 2.2 | 1.00 | |

| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> |
|------------------|-----------------|-----------------------|-------------------|
| 2-Fluorobiphenyl | 80 | 14-146 | |
| Nitrobenzene-d5 | 89 | 18-162 | |
| p-Terphenyl-d14 | 95 | 34-148 | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 12/12/15
Work Order: 15-12-1012
Preparation: EPA 3541
Method: EPA 8270C SIM PCB Congeners
Units: ug/kg

Project: San Diego Shipyards- North

Page 1 of 8

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-08-D-0535-151212 | 15-12-1012-2-AA | 12/12/15 08:55 | Sediment | GC/MS HHH | 12/12/15 | 12/14/15 15:45 | 151212L05 |

Comment(s): - Results are reported on a dry weight basis.

- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|------------|--------|------|-------|------|------------|
| PCB018 | ND | 0.24 | 0.086 | 1.00 | |
| PCB028 | ND | 0.24 | 0.041 | 1.00 | |
| PCB037 | ND | 0.24 | 0.073 | 1.00 | |
| PCB044 | ND | 0.24 | 0.11 | 1.00 | |
| PCB049 | ND | 0.24 | 0.14 | 1.00 | |
| PCB052 | ND | 0.24 | 0.076 | 1.00 | |
| PCB066 | ND | 0.24 | 0.12 | 1.00 | |
| PCB070 | ND | 0.24 | 0.072 | 1.00 | |
| PCB074 | ND | 0.24 | 0.11 | 1.00 | |
| PCB077 | ND | 0.24 | 0.094 | 1.00 | |
| PCB081 | ND | 0.24 | 0.15 | 1.00 | |
| PCB087 | ND | 0.24 | 0.13 | 1.00 | |
| PCB099 | ND | 0.24 | 0.073 | 1.00 | |
| PCB101 | ND | 0.24 | 0.12 | 1.00 | |
| PCB105 | ND | 0.24 | 0.066 | 1.00 | |
| PCB110 | ND | 0.24 | 0.056 | 1.00 | |
| PCB114 | ND | 0.24 | 0.099 | 1.00 | |
| PCB118 | ND | 0.24 | 0.10 | 1.00 | |
| PCB119 | ND | 0.24 | 0.11 | 1.00 | |
| PCB123 | ND | 0.24 | 0.13 | 1.00 | |
| PCB126 | ND | 0.24 | 0.097 | 1.00 | |
| PCB128 | ND | 0.24 | 0.12 | 1.00 | |
| PCB132/153 | ND | 0.48 | 0.21 | 1.00 | |
| PCB138/158 | ND | 0.48 | 0.11 | 1.00 | |
| PCB149 | ND | 0.24 | 0.12 | 1.00 | |
| PCB151 | ND | 0.24 | 0.081 | 1.00 | |
| PCB156 | ND | 0.24 | 0.070 | 1.00 | |
| PCB157 | ND | 0.24 | 0.063 | 1.00 | |
| PCB167 | ND | 0.24 | 0.075 | 1.00 | |
| PCB168 | ND | 0.24 | 0.059 | 1.00 | |
| PCB169 | ND | 0.24 | 0.074 | 1.00 | |
| PCB170 | ND | 0.24 | 0.077 | 1.00 | |
| PCB177 | ND | 0.24 | 0.11 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 12/12/15
 Work Order: 15-12-1012
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyards- North

Page 2 of 8

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|-----------------|-----------------------|-------------------|-----------|-------------------|
| PCB180 | ND | 0.24 | 0.051 | 1.00 | |
| PCB183 | ND | 0.24 | 0.13 | 1.00 | |
| PCB187 | ND | 0.24 | 0.10 | 1.00 | |
| PCB189 | ND | 0.24 | 0.074 | 1.00 | |
| PCB194 | ND | 0.24 | 0.14 | 1.00 | |
| PCB201 | ND | 0.24 | 0.12 | 1.00 | |
| PCB206 | ND | 0.24 | 0.23 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | | |
| 2-Fluorobiphenyl | 80 | 50-150 | | | |
| p-Terphenyl-d14 | 91 | 50-150 | | | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 12/12/15
Work Order: 15-12-1012
Preparation: EPA 3541
Method: EPA 8270C SIM PCB Congeners
Units: ug/kg

Project: San Diego Shipyards- North

Page 3 of 8

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-7B-D-0535-151212 | 15-12-1012-4-AA | 12/12/15 09:30 | Sediment | GC/MS HHH | 12/12/15 | 12/14/15 16:09 | 151212L05 |

Comment(s): - Results are reported on a dry weight basis.

- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|------------|--------|------|-------|------|------------|
| PCB018 | 8.9 | 0.27 | 0.097 | 1.00 | |
| PCB028 | 6.4 | 0.27 | 0.046 | 1.00 | |
| PCB037 | 1.2 | 0.27 | 0.083 | 1.00 | |
| PCB044 | 7.0 | 0.27 | 0.12 | 1.00 | |
| PCB049 | 9.0 | 0.27 | 0.15 | 1.00 | |
| PCB052 | 12 | 0.27 | 0.086 | 1.00 | |
| PCB066 | 9.2 | 0.27 | 0.14 | 1.00 | |
| PCB070 | 9.9 | 0.27 | 0.082 | 1.00 | |
| PCB074 | 4.3 | 0.27 | 0.12 | 1.00 | |
| PCB077 | 2.3 | 0.27 | 0.11 | 1.00 | |
| PCB081 | ND | 0.27 | 0.16 | 1.00 | |
| PCB087 | 4.3 | 0.27 | 0.15 | 1.00 | |
| PCB099 | 7.2 | 0.27 | 0.083 | 1.00 | |
| PCB101 | 14 | 0.27 | 0.13 | 1.00 | |
| PCB105 | 4.6 | 0.27 | 0.075 | 1.00 | |
| PCB110 | 12 | 0.27 | 0.063 | 1.00 | |
| PCB114 | ND | 0.27 | 0.11 | 1.00 | |
| PCB118 | 12 | 0.27 | 0.11 | 1.00 | |
| PCB119 | 0.69 | 0.27 | 0.13 | 1.00 | |
| PCB123 | ND | 0.27 | 0.14 | 1.00 | |
| PCB126 | ND | 0.27 | 0.11 | 1.00 | |
| PCB128 | 2.1 | 0.27 | 0.14 | 1.00 | |
| PCB132/153 | 20 | 0.55 | 0.24 | 1.00 | |
| PCB138/158 | 14 | 0.55 | 0.13 | 1.00 | |
| PCB149 | 10 | 0.27 | 0.13 | 1.00 | |
| PCB151 | 3.0 | 0.27 | 0.092 | 1.00 | |
| PCB156 | 1.4 | 0.27 | 0.079 | 1.00 | |
| PCB157 | 0.72 | 0.27 | 0.072 | 1.00 | |
| PCB167 | ND | 0.27 | 0.084 | 1.00 | |
| PCB168 | ND | 0.27 | 0.067 | 1.00 | |
| PCB169 | 0.69 | 0.27 | 0.083 | 1.00 | |
| PCB170 | 3.8 | 0.27 | 0.087 | 1.00 | |
| PCB177 | 1.6 | 0.27 | 0.12 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 12/12/15
 Work Order: 15-12-1012
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyards- North

Page 4 of 8

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|-----------------|-----------------------|-------------------|-----------|-------------------|
| PCB180 | 7.7 | 0.27 | 0.058 | 1.00 | |
| PCB183 | 1.9 | 0.27 | 0.15 | 1.00 | |
| PCB187 | 5.4 | 0.27 | 0.12 | 1.00 | |
| PCB189 | ND | 0.27 | 0.084 | 1.00 | |
| PCB194 | 2.2 | 0.27 | 0.15 | 1.00 | |
| PCB201 | 0.31 | 0.27 | 0.13 | 1.00 | |
| PCB206 | 0.98 | 0.27 | 0.26 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | | |
| 2-Fluorobiphenyl | 87 | 50-150 | | | |
| p-Terphenyl-d14 | 86 | 50-150 | | | |


 Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 12/12/15
Work Order: 15-12-1012
Preparation: EPA 3541
Method: EPA 8270C SIM PCB Congeners
Units: ug/kg

Project: San Diego Shipyards- North

Page 5 of 8

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-7A-D-0535-151212 | 15-12-1012-6-AA | 12/12/15 09:55 | Sediment | GC/MS HHH | 12/12/15 | 12/14/15 16:32 | 151212L05 |

Comment(s): - Results are reported on a dry weight basis.

- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|------------|--------|------|-------|------|------------|
| PCB018 | 3.7 | 0.26 | 0.093 | 1.00 | |
| PCB028 | 2.1 | 0.26 | 0.044 | 1.00 | |
| PCB037 | 0.41 | 0.26 | 0.079 | 1.00 | |
| PCB044 | 3.3 | 0.26 | 0.11 | 1.00 | |
| PCB049 | 3.4 | 0.26 | 0.15 | 1.00 | |
| PCB052 | 6.3 | 0.26 | 0.082 | 1.00 | |
| PCB066 | 3.5 | 0.26 | 0.13 | 1.00 | |
| PCB070 | 4.4 | 0.26 | 0.078 | 1.00 | |
| PCB074 | 1.7 | 0.26 | 0.11 | 1.00 | |
| PCB077 | ND | 0.26 | 0.10 | 1.00 | |
| PCB081 | ND | 0.26 | 0.16 | 1.00 | |
| PCB087 | 2.7 | 0.26 | 0.14 | 1.00 | |
| PCB099 | 2.8 | 0.26 | 0.079 | 1.00 | |
| PCB101 | 6.8 | 0.26 | 0.13 | 1.00 | |
| PCB105 | 2.3 | 0.26 | 0.071 | 1.00 | |
| PCB110 | 6.6 | 0.26 | 0.060 | 1.00 | |
| PCB114 | ND | 0.26 | 0.11 | 1.00 | |
| PCB118 | 6.0 | 0.26 | 0.11 | 1.00 | |
| PCB119 | 0.45 | 0.26 | 0.12 | 1.00 | |
| PCB123 | ND | 0.26 | 0.14 | 1.00 | |
| PCB126 | ND | 0.26 | 0.10 | 1.00 | |
| PCB128 | 1.1 | 0.26 | 0.13 | 1.00 | |
| PCB132/153 | 5.8 | 0.52 | 0.23 | 1.00 | |
| PCB138/158 | 5.5 | 0.52 | 0.12 | 1.00 | |
| PCB149 | 3.1 | 0.26 | 0.13 | 1.00 | |
| PCB151 | 0.71 | 0.26 | 0.088 | 1.00 | |
| PCB156 | 0.67 | 0.26 | 0.075 | 1.00 | |
| PCB157 | ND | 0.26 | 0.068 | 1.00 | |
| PCB167 | 0.27 | 0.26 | 0.080 | 1.00 | |
| PCB168 | ND | 0.26 | 0.063 | 1.00 | |
| PCB169 | ND | 0.26 | 0.079 | 1.00 | |
| PCB170 | 1.0 | 0.26 | 0.083 | 1.00 | |
| PCB177 | ND | 0.26 | 0.11 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 12/12/15
 Work Order: 15-12-1012
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyards- North

Page 6 of 8

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|-----------------|-----------------------|-------------------|-----------|-------------------|
| PCB180 | 1.6 | 0.26 | 0.055 | 1.00 | |
| PCB183 | 0.48 | 0.26 | 0.14 | 1.00 | |
| PCB187 | 0.79 | 0.26 | 0.11 | 1.00 | |
| PCB189 | ND | 0.26 | 0.080 | 1.00 | |
| PCB194 | ND | 0.26 | 0.15 | 1.00 | |
| PCB201 | ND | 0.26 | 0.13 | 1.00 | |
| PCB206 | ND | 0.26 | 0.25 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | | |
| 2-Fluorobiphenyl | 78 | 50-150 | | | |
| p-Terphenyl-d14 | 81 | 50-150 | | | |


 Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 12/12/15
Work Order: 15-12-1012
Preparation: EPA 3541
Method: EPA 8270C SIM PCB Congeners
Units: ug/kg

Project: San Diego Shipyards- North

Page 7 of 8

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-16-418-188 | N/A | Solid | GC/MS HHH | 12/12/15 | 12/14/15 14:37 | 151212L05 |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|------------|--------|------|-------|------|------------|
| PCB018 | ND | 0.20 | 0.071 | 1.00 | |
| PCB028 | ND | 0.20 | 0.034 | 1.00 | |
| PCB037 | ND | 0.20 | 0.060 | 1.00 | |
| PCB044 | ND | 0.20 | 0.087 | 1.00 | |
| PCB049 | ND | 0.20 | 0.11 | 1.00 | |
| PCB052 | ND | 0.20 | 0.063 | 1.00 | |
| PCB066 | ND | 0.20 | 0.10 | 1.00 | |
| PCB070 | ND | 0.20 | 0.060 | 1.00 | |
| PCB074 | ND | 0.20 | 0.087 | 1.00 | |
| PCB077 | ND | 0.20 | 0.078 | 1.00 | |
| PCB081 | ND | 0.20 | 0.12 | 1.00 | |
| PCB087 | ND | 0.20 | 0.11 | 1.00 | |
| PCB099 | ND | 0.20 | 0.061 | 1.00 | |
| PCB101 | ND | 0.20 | 0.098 | 1.00 | |
| PCB105 | ND | 0.20 | 0.055 | 1.00 | |
| PCB110 | ND | 0.20 | 0.046 | 1.00 | |
| PCB114 | ND | 0.20 | 0.082 | 1.00 | |
| PCB118 | ND | 0.20 | 0.084 | 1.00 | |
| PCB119 | ND | 0.20 | 0.094 | 1.00 | |
| PCB123 | ND | 0.20 | 0.10 | 1.00 | |
| PCB126 | ND | 0.20 | 0.080 | 1.00 | |
| PCB128 | ND | 0.20 | 0.10 | 1.00 | |
| PCB132/153 | ND | 0.40 | 0.17 | 1.00 | |
| PCB138/158 | ND | 0.40 | 0.094 | 1.00 | |
| PCB149 | ND | 0.20 | 0.098 | 1.00 | |
| PCB151 | ND | 0.20 | 0.067 | 1.00 | |
| PCB156 | ND | 0.20 | 0.058 | 1.00 | |
| PCB157 | ND | 0.20 | 0.052 | 1.00 | |
| PCB167 | ND | 0.20 | 0.062 | 1.00 | |
| PCB168 | ND | 0.20 | 0.049 | 1.00 | |
| PCB169 | ND | 0.20 | 0.061 | 1.00 | |
| PCB170 | ND | 0.20 | 0.063 | 1.00 | |
| PCB177 | ND | 0.20 | 0.087 | 1.00 | |
| PCB180 | ND | 0.20 | 0.042 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 12/12/15
 Work Order: 15-12-1012
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyards- North

Page 8 of 8

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|-----------------|-----------------------|-------------------|-----------|-------------------|
| PCB183 | ND | 0.20 | 0.11 | 1.00 | |
| PCB187 | ND | 0.20 | 0.084 | 1.00 | |
| PCB189 | ND | 0.20 | 0.061 | 1.00 | |
| PCB194 | ND | 0.20 | 0.11 | 1.00 | |
| PCB201 | ND | 0.20 | 0.097 | 1.00 | |
| PCB206 | ND | 0.20 | 0.19 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | | |
| 2-Fluorobiphenyl | 108 | 50-150 | | | |
| p-Terphenyl-d14 | 107 | 50-150 | | | |


 Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 12/12/15
Work Order: 15-12-1012
Preparation: EPA 3550B (M)
Method: Organotins by Krone et al.
Units: ug/kg

Project: San Diego Shipyards- North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-08-D-0535-151212 | 15-12-1012-2-AA | 12/12/15 08:55 | Sediment | GC/MS Y | 12/12/15 | 12/14/15 17:46 | 151212L03 |

Comment(s): - Results are reported on a dry weight basis.
- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|--------------|----------|----------------|------------|------|------------|
| Tributyltin | ND | 3.6 | 1.8 | 1.00 | |
| Surrogate | Rec. (%) | Control Limits | Qualifiers | | |
| Tripentyltin | 90 | 27-135 | | | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-7B-D-0535-151212 | 15-12-1012-4-AA | 12/12/15 09:30 | Sediment | GC/MS Y | 12/12/15 | 12/14/15 18:02 | 151212L03 |

Comment(s): - Results are reported on a dry weight basis.
- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|--------------|----------|----------------|------------|------|------------|
| Tributyltin | 28 | 4.1 | 2.0 | 1.00 | |
| Surrogate | Rec. (%) | Control Limits | Qualifiers | | |
| Tripentyltin | 79 | 27-135 | | | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-7A-D-0535-151212 | 15-12-1012-6-AA | 12/12/15 09:55 | Sediment | GC/MS Y | 12/12/15 | 12/14/15 18:18 | 151212L03 |

Comment(s): - Results are reported on a dry weight basis.
- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|--------------|----------|----------------|------------|------|------------|
| Tributyltin | 12 | 3.9 | 1.9 | 1.00 | |
| Surrogate | Rec. (%) | Control Limits | Qualifiers | | |
| Tripentyltin | 87 | 27-135 | | | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-07-016-1346 | N/A | Solid | GC/MS Y | 12/12/15 | 12/14/15 16:59 | 151212L03 |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|--------------|----------|----------------|------------|------|------------|
| Tributyltin | ND | 3.0 | 1.5 | 1.00 | |
| Surrogate | Rec. (%) | Control Limits | Qualifiers | | |
| Tripentyltin | 97 | 27-135 | | | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 12/12/15
Work Order: 15-12-1012
Preparation: EPA 3050B
Method: EPA 6020

Project: San Diego Shipyards- North

Page 1 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-08-D-0535-151212 | Sample | Sediment | ICP/MS 03 | 12/12/15 | 12/14/15 12:32 | 151212S01 |
| SD-N-C-08-D-0535-151212 | Matrix Spike | Sediment | ICP/MS 03 | 12/12/15 | 12/14/15 12:08 | 151212S01 |
| SD-N-C-08-D-0535-151212 | Matrix Spike Duplicate | Sediment | ICP/MS 03 | 12/12/15 | 12/14/15 12:11 | 151212S01 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Copper | 6.344 | 25.00 | 32.26 | 104 | 31.82 | 102 | 80-120 | 1 | 0-20 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 12/12/15
 Work Order: 15-12-1012
 Preparation: EPA 7471A Total
 Method: EPA 7471A

Project: San Diego Shipyards- North

Page 2 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-08-D-0535-151212 | Sample | Sediment | Mercury 05 | 12/14/15 | 12/14/15 13:23 | 151214S01 |
| SD-N-C-08-D-0535-151212 | Matrix Spike | Sediment | Mercury 05 | 12/14/15 | 12/14/15 13:26 | 151214S01 |
| SD-N-C-08-D-0535-151212 | Matrix Spike Duplicate | Sediment | Mercury 05 | 12/14/15 | 12/14/15 13:28 | 151214S01 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Mercury | ND | 0.8350 | 0.7520 | 90 | 0.7542 | 90 | 76-136 | 0 | 0-16 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 12/12/15
Work Order: 15-12-1012
Preparation: EPA 3541
Method: EPA 8270C SIM PAHs

Project: San Diego Shipyards- North

Page 3 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-08-D-0535-151212 | Sample | Sediment | GC/MS AAA | 12/12/15 | 12/14/15 12:38 | 151212S04 |
| SD-N-C-08-D-0535-151212 | Matrix Spike | Sediment | GC/MS AAA | 12/12/15 | 12/14/15 11:58 | 151212S04 |
| SD-N-C-08-D-0535-151212 | Matrix Spike Duplicate | Sediment | GC/MS AAA | 12/12/15 | 12/14/15 12:18 | 151212S04 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|---------------------------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Benzo (a) Anthracene | ND | 100.0 | 80.67 | 81 | 78.89 | 79 | 40-160 | 2 | 0-20 | |
| Benzo (a) Pyrene | ND | 100.0 | 79.39 | 79 | 76.42 | 76 | 40-160 | 4 | 0-20 | |
| Benzo (b) Fluoranthene | ND | 100.0 | 86.76 | 87 | 89.51 | 90 | 40-160 | 3 | 0-20 | |
| Benzo (g,h,i) Perylene | ND | 100.0 | 85.71 | 86 | 87.25 | 87 | 40-160 | 2 | 0-20 | |
| Benzo (k) Fluoranthene | ND | 100.0 | 85.48 | 85 | 85.09 | 85 | 40-160 | 0 | 0-20 | |
| Chrysene | ND | 100.0 | 83.18 | 83 | 82.25 | 82 | 40-160 | 1 | 0-20 | |
| Dibenz (a,h) Anthracene | ND | 100.0 | 81.00 | 81 | 82.49 | 82 | 40-160 | 2 | 0-20 | |
| Fluoranthene | ND | 100.0 | 87.37 | 87 | 84.70 | 85 | 40-160 | 3 | 0-20 | |
| Indeno (1,2,3-c,d) Pyrene | ND | 100.0 | 83.23 | 83 | 84.02 | 84 | 40-160 | 1 | 0-20 | |
| Pyrene | ND | 100.0 | 90.91 | 91 | 88.55 | 89 | 40-160 | 3 | 0-46 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 12/12/15
 Work Order: 15-12-1012
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners

Project: San Diego Shipyards- North

Page 4 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-08-D-0535-151212 | Sample | Sediment | GC/MS HHH | 12/12/15 | 12/14/15 15:45 | 151212S05 |
| SD-N-C-08-D-0535-151212 | Matrix Spike | Sediment | GC/MS HHH | 12/12/15 | 12/14/15 17:18 | 151212S05 |
| SD-N-C-08-D-0535-151212 | Matrix Spike Duplicate | Sediment | GC/MS HHH | 12/12/15 | 12/14/15 17:40 | 151212S05 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| PCB018 | ND | 50.00 | 41.79 | 84 | 38.89 | 78 | 50-150 | 7 | 0-25 | |
| PCB028 | ND | 50.00 | 44.45 | 89 | 42.95 | 86 | 50-150 | 3 | 0-25 | |
| PCB044 | ND | 50.00 | 42.90 | 86 | 42.52 | 85 | 50-150 | 1 | 0-25 | |
| PCB052 | ND | 50.00 | 40.26 | 81 | 39.44 | 79 | 50-150 | 2 | 0-25 | |
| PCB066 | ND | 50.00 | 49.84 | 100 | 49.88 | 100 | 50-150 | 0 | 0-25 | |
| PCB077 | ND | 50.00 | 45.09 | 90 | 47.32 | 95 | 50-150 | 5 | 0-25 | |
| PCB101 | ND | 50.00 | 42.88 | 86 | 44.31 | 89 | 50-150 | 3 | 0-25 | |
| PCB105 | ND | 50.00 | 44.80 | 90 | 47.33 | 95 | 50-150 | 5 | 0-25 | |
| PCB118 | ND | 50.00 | 48.16 | 96 | 50.48 | 101 | 50-150 | 5 | 0-25 | |
| PCB126 | ND | 50.00 | 44.03 | 88 | 47.03 | 94 | 50-150 | 7 | 0-25 | |
| PCB128 | ND | 50.00 | 44.05 | 88 | 46.64 | 93 | 50-150 | 6 | 0-25 | |
| PCB170 | ND | 50.00 | 48.40 | 97 | 49.47 | 99 | 50-150 | 2 | 0-25 | |
| PCB180 | ND | 50.00 | 45.84 | 92 | 48.34 | 97 | 50-150 | 5 | 0-25 | |
| PCB187 | ND | 50.00 | 42.15 | 84 | 44.63 | 89 | 50-150 | 6 | 0-25 | |
| PCB206 | ND | 50.00 | 46.86 | 94 | 48.54 | 97 | 50-150 | 4 | 0-25 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 12/12/15
Work Order: 15-12-1012
Preparation: EPA 3550B (M)
Method: Organotins by Krone et al.

Project: San Diego Shipyards- North

Page 5 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-08-D-0535-151212 | Sample | Sediment | GC/MS Y | 12/12/15 | 12/14/15 17:46 | 151212S03 |
| SD-N-C-08-D-0535-151212 | Matrix Spike | Sediment | GC/MS Y | 12/12/15 | 12/14/15 19:05 | 151212S03 |
| SD-N-C-08-D-0535-151212 | Matrix Spike Duplicate | Sediment | GC/MS Y | 12/12/15 | 12/14/15 19:21 | 151212S03 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-------------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Tributyltin | ND | 100.0 | 41.80 | 42 | 34.36 | 34 | 34-142 | 20 | 0-50 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - PDS

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 12/12/15
 Work Order: 15-12-1012
 Preparation: EPA 3050B
 Method: EPA 6020

Project: San Diego Shipyards- North

Page 1 of 1

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | PDS/PDSD Batch Number |
|---------------------------|--------|----------|------------|----------------|----------------|-----------------------|
| SD-N-C-08-D-0535-151212 | Sample | Sediment | ICP/MS 03 | 12/12/15 00:00 | 12/14/15 12:32 | 151212S01 |
| SD-N-C-08-D-0535-151212 | PDS | Sediment | ICP/MS 03 | 12/12/15 00:00 | 12/14/15 12:15 | 151212S01 |

| Parameter | Sample Conc. | Spike Added | PDS Conc. | PDS %Rec. | %Rec. CL | Qualifiers |
|-----------|--------------|-------------|-----------|-----------|----------|------------|
| Copper | 6.344 | 25.00 | 32.07 | 103 | 75-125 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Sample Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 12/12/15
 Work Order: 15-12-1012
 Preparation: N/A
 Method: SM 2540 B (M)

Project: San Diego Shipyards- North

Page 1 of 1

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | Duplicate Batch Number |
|---------------------------|------------------|----------|------------|----------------|----------------|------------------------|
| SD-N-C-08-D-0535-151212 | Sample | Sediment | N/A | 12/12/15 00:00 | 12/14/15 15:00 | F1214TSD1 |
| SD-N-C-08-D-0535-151212 | Sample Duplicate | Sediment | N/A | 12/12/15 00:00 | 12/14/15 15:00 | F1214TSD1 |

| Parameter | Sample Conc. | DUP Conc. | RPD | RPD CL | Qualifiers |
|---------------|--------------|-----------|-----|--------|------------|
| Solids, Total | 82.60 | 82.90 | 0 | 0-10 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 12/12/15
 Work Order: 15-12-1012
 Preparation: EPA 3050B
 Method: EPA 6020

Project: San Diego Shipyards- North

Page 1 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number | | | |
|---------------------------|-------------|-----------|------------|---------------|----------------|-----------------------|-----|--------|------------|
| 099-15-254-379 | LCS | Solid | ICP/MS 03 | 12/12/15 | 12/14/15 12:01 | 151212L01E | | | |
| 099-15-254-379 | LCSD | Solid | ICP/MS 03 | 12/12/15 | 12/14/15 12:04 | 151212L01E | | | |
| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
| Copper | 25.00 | 26.40 | 106 | 26.56 | 106 | 80-120 | 1 | 0-20 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 12/12/15
 Work Order: 15-12-1012
 Preparation: EPA 7471A Total
 Method: EPA 7471A

Project: San Diego Shipyards- North

Page 2 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number | | | |
|---------------------------|--------------------|------------------|-------------------|-------------------|-----------------------|-----------------------|------------|---------------|-------------------|
| 099-16-278-190 | LCS | Solid | Mercury 05 | 12/14/15 | 12/14/15 13:21 | 151214L01E | | | |
| 099-16-278-190 | LCSD | Solid | Mercury 05 | 12/14/15 | 12/14/15 13:52 | 151214L01E | | | |
| <u>Parameter</u> | <u>Spike Added</u> | <u>LCS Conc.</u> | <u>LCS %Rec.</u> | <u>LCSD Conc.</u> | <u>LCSD %Rec.</u> | <u>%Rec. CL</u> | <u>RPD</u> | <u>RPD CL</u> | <u>Qualifiers</u> |
| Mercury | 0.8350 | 0.8580 | 103 | 0.8575 | 103 | 82-124 | 0 | 0-16 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 12/12/15
Work Order: 15-12-1012
Preparation: EPA 3541
Method: EPA 8270C SIM PAHs

Project: San Diego Shipyards- North

Page 3 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number | | | |
|---------------------------|-------------|-----------|------------|---------------|----------------|-----------------------|-----|--------|------------|
| 099-14-097-195 | LCS | Solid | GC/MS AAA | 12/12/15 | 12/14/15 11:17 | 151212L04 | | | |
| 099-14-097-195 | LCSD | Solid | GC/MS AAA | 12/12/15 | 12/14/15 11:37 | 151212L04 | | | |
| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
| Benzo (a) Anthracene | 100.0 | 86.75 | 87 | 95.50 | 96 | 40-160 | 10 | 0-20 | |
| Benzo (a) Pyrene | 100.0 | 86.68 | 87 | 93.18 | 93 | 40-160 | 7 | 0-20 | |
| Benzo (b) Fluoranthene | 100.0 | 85.94 | 86 | 91.56 | 92 | 40-160 | 6 | 0-20 | |
| Benzo (g,h,i) Perylene | 100.0 | 93.68 | 94 | 99.33 | 99 | 40-160 | 6 | 0-20 | |
| Benzo (k) Fluoranthene | 100.0 | 94.96 | 95 | 105.3 | 105 | 40-160 | 10 | 0-20 | |
| Chrysene | 100.0 | 90.95 | 91 | 97.69 | 98 | 40-160 | 7 | 0-20 | |
| Dibenz (a,h) Anthracene | 100.0 | 88.82 | 89 | 95.49 | 95 | 40-160 | 7 | 0-20 | |
| Fluoranthene | 100.0 | 93.73 | 94 | 101.6 | 102 | 40-160 | 8 | 0-20 | |
| Indeno (1,2,3-c,d) Pyrene | 100.0 | 90.31 | 90 | 96.54 | 97 | 40-160 | 7 | 0-20 | |
| Pyrene | 100.0 | 97.54 | 98 | 105.3 | 105 | 40-160 | 8 | 0-16 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 12/12/15
Work Order: 15-12-1012
Preparation: EPA 3541
Method: EPA 8270C SIM PCB Congeners

Project: San Diego Shipyards- North

Page 4 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number | | | | |
|---------------------------|-------------|-----------|------------|---------------|----------------|-----------------------|--------|-----|--------|------------|
| 099-16-418-188 | LCS | Solid | GC/MS HHH | 12/12/15 | 12/14/15 16:55 | 151212L05 | | | | |
| 099-16-418-188 | LCSD | Solid | GC/MS HHH | 12/12/15 | 12/14/15 15:23 | 151212L05 | | | | |
| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | ME CL | RPD | RPD CL | Qualifiers |
| PCB018 | 50.00 | 52.52 | 105 | 53.38 | 107 | 50-150 | 33-167 | 2 | 0-25 | |
| PCB028 | 50.00 | 56.24 | 112 | 56.46 | 113 | 50-150 | 33-167 | 0 | 0-25 | |
| PCB044 | 50.00 | 54.01 | 108 | 54.59 | 109 | 50-150 | 33-167 | 1 | 0-25 | |
| PCB052 | 50.00 | 50.24 | 100 | 50.61 | 101 | 50-150 | 33-167 | 1 | 0-25 | |
| PCB066 | 50.00 | 61.07 | 122 | 63.18 | 126 | 50-150 | 33-167 | 3 | 0-25 | |
| PCB077 | 50.00 | 57.09 | 114 | 59.41 | 119 | 50-150 | 33-167 | 4 | 0-25 | |
| PCB101 | 50.00 | 53.20 | 106 | 54.13 | 108 | 50-150 | 33-167 | 2 | 0-25 | |
| PCB105 | 50.00 | 56.09 | 112 | 60.16 | 120 | 50-150 | 33-167 | 7 | 0-25 | |
| PCB118 | 50.00 | 60.15 | 120 | 64.37 | 129 | 50-150 | 33-167 | 7 | 0-25 | |
| PCB126 | 50.00 | 55.79 | 112 | 59.97 | 120 | 50-150 | 33-167 | 7 | 0-25 | |
| PCB128 | 50.00 | 54.75 | 110 | 59.86 | 120 | 50-150 | 33-167 | 9 | 0-25 | |
| PCB170 | 50.00 | 58.38 | 117 | 60.07 | 120 | 50-150 | 33-167 | 3 | 0-25 | |
| PCB180 | 50.00 | 56.79 | 114 | 63.01 | 126 | 50-150 | 33-167 | 10 | 0-25 | |
| PCB187 | 50.00 | 53.17 | 106 | 58.61 | 117 | 50-150 | 33-167 | 10 | 0-25 | |
| PCB206 | 50.00 | 56.92 | 114 | 62.14 | 124 | 50-150 | 33-167 | 9 | 0-25 | |

Total number of LCS compounds: 15

Total number of ME compounds: 0

Total number of ME compounds allowed: 1

LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 12/12/15
Work Order: 15-12-1012
Preparation: EPA 3550B (M)
Method: Organotins by Krone et al.

Project: San Diego Shipyards- North

Page 5 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number | | | |
|---------------------------|-------------|-----------|------------|---------------|----------------|-----------------------|-----|--------|------------|
| 099-07-016-1346 | LCS | Solid | GC/MS Y | 12/12/15 | 12/14/15 17:15 | 151212L03 | | | |
| 099-07-016-1346 | LCSD | Solid | GC/MS Y | 12/12/15 | 12/14/15 17:30 | 151212L03 | | | |
| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
| Tributyltin | 100.0 | 49.26 | 49 | 51.64 | 52 | 33-147 | 5 | 0-20 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Glossary of Terms and Qualifiers

Work Order: 15-12-1012

Page 1 of 1

| <u>Qualifiers</u> | <u>Definition</u> |
|-------------------|---|
| * | See applicable analysis comment. |
| < | Less than the indicated value. |
| > | Greater than the indicated value. |
| 1 | Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification. |
| 2 | Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification. |
| 3 | Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control. |
| 4 | The MS/MSD RPD was out of control due to suspected matrix interference. |
| 5 | The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference. |
| 6 | Surrogate recovery below the acceptance limit. |
| 7 | Surrogate recovery above the acceptance limit. |
| B | Analyte was present in the associated method blank. |
| BU | Sample analyzed after holding time expired. |
| BV | Sample received after holding time expired. |
| CI | See case narrative. |
| E | Concentration exceeds the calibration range. |
| ET | Sample was extracted past end of recommended max. holding time. |
| HD | The chromatographic pattern was inconsistent with the profile of the reference fuel standard. |
| HDH | The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected). |
| HDL | The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected). |
| J | Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated. |
| JA | Analyte positively identified but quantitation is an estimate. |
| ME | LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean). |
| ND | Parameter not detected at the indicated reporting limit. |
| Q | Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater. |
| SG | The sample extract was subjected to Silica Gel treatment prior to analysis. |
| X | % Recovery and/or RPD out-of-range. |
| Z | Analyte presence was not confirmed by second column or GC/MS analysis. |
| | Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis. |
| | Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time. |
| | A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations. |

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: Anchor QEA

DATE: 12/12/2015

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC2 (CF:-0.4°C); Temperature (w/o CF): 5.7 °C (w/ CF): 5.3 °C; Blank Sample

Sample(s) outside temperature criteria (PM/APM contacted by: _____)

Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: Air Filter

Checked by: 778

CUSTODY SEAL:

Cooler Present and Intact Present but Not Intact Not Present N/A

Checked by: 778

Sample(s) Present and Intact Present but Not Intact Not Present N/A

Checked by: 1050

SAMPLE CONDITION:

| | Yes | No | N/A |
|--|-------------------------------------|--------------------------|-------------------------------------|
| Chain-of-Custody (COC) document(s) received with samples | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| COC document(s) received complete | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> Sampling date <input type="checkbox"/> Sampling time <input type="checkbox"/> Matrix <input type="checkbox"/> Number of containers | | | |
| <input type="checkbox"/> No analysis requested <input type="checkbox"/> Not relinquished <input type="checkbox"/> No relinquished date <input type="checkbox"/> No relinquished time | | | |
| Sampler's name indicated on COC | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Sample container label(s) consistent with COC | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Sample container(s) intact and in good condition | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Proper containers for analyses requested | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Sufficient volume/mass for analyses requested | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Samples received within holding time | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Aqueous samples for certain analyses received within 15-minute holding time | | | |
| <input type="checkbox"/> pH <input type="checkbox"/> Residual Chlorine <input type="checkbox"/> Dissolved Sulfide <input type="checkbox"/> Dissolved Oxygen | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Proper preservation chemical(s) noted on COC and/or sample container | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Unpreserved aqueous sample(s) received for certain analyses | | | |
| <input type="checkbox"/> Volatile Organics <input type="checkbox"/> Total Metals <input type="checkbox"/> Dissolved Metals | | | |
| Container(s) for certain analysis free of headspace | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input type="checkbox"/> Volatile Organics <input type="checkbox"/> Dissolved Gases (RSK-175) <input type="checkbox"/> Dissolved Oxygen (SM 4500) | | | |
| <input type="checkbox"/> Carbon Dioxide (SM 4500) <input type="checkbox"/> Ferrous Iron (SM 3500) <input type="checkbox"/> Hydrogen Sulfide (Hach) | | | |
| Tedlar™ bag(s) free of condensation | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

CONTAINER TYPE:

(Trip Blank Lot Number: _____)

Aqueous: VOA VOA_h VOA_{na2} 100PJ 100PJ_{na2} 125AGB 125AGB_h 125AGB_p 125PB

125PB_{z_{na}} 250AGB 250CGB 250CGB_s 250PB 250PB_n 500AGB 500AGJ 500AGJ_s

500PB 1AGB 1AGB_{na2} 1AGB_s 1PB 1PB_{na} _____ _____ _____ _____

Solid: 4ozCGJ 8ozCGJ 16ozCGJ Sleeve (____) EnCores® (____) TerraCores® (____) _____

Air: Tedlar™ Canister Sorbent Tube PUF _____ Other Matrix (Sediment): 8oz CGJ 16oz CGJ

Container: A = Amber, B = Bottle, C = Clear, E = Envelope, G = Glass, J = Jar, P = Plastic, and Z = Ziploc/Resealable Bag

Preservative: b = buffered, f = filtered, h = HCl, n = HNO₃, na = NaOH, na₂ = Na₂S₂O₃, p = H₃PO₄, Labeled/Checked by: 1050

s = H₂SO₄, u = ultra-pure, z_{na} = Zn(CH₃CO₂)₂ + NaOH

Reviewed by: SW

Return to Contents



Environmental
Calscience

Supplemental Report 1



WORK ORDER NUMBER: 15-12-1556

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: ANCHOR QEA, LLC

Client Project Name: San Diego Shipyards- North

Attention: Adam Gale
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Approved for release on 12/28/2015 by:
Carla Hollowell
Project Manager

ResultLink ▶

Email your PM ▶



Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.



Contents

Client Project Name: San Diego Shipyards- North
Work Order Number: 15-12-1556

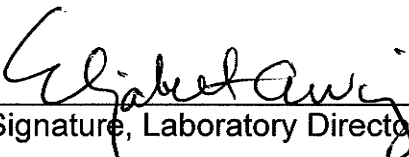
| | | |
|---|--|----|
| 1 | Certification, 15-12-1556. | 3 |
| 2 | Work Order Narrative. | 4 |
| 3 | Sample Summary. | 5 |
| 4 | Client Sample Data. | 6 |
| | 4.1 SM 2540 B (M) Total Solids (Solid). | 6 |
| | 4.2 EPA 6020 ICP/MS Metals (Solid). | 7 |
| | 4.3 EPA 7471A Mercury (Solid). | 8 |
| | 4.4 EPA 8270C SIM PAHs (Solid). | 9 |
| | 4.5 EPA 8270C SIM PCB Congeners (Solid). | 11 |
| | 4.6 Krone et al. Organotins (Solid). | 15 |
| 5 | Quality Control Sample Data. | 16 |
| | 5.1 MS/MSD. | 16 |
| | 5.2 PDS/PDSD. | 21 |
| | 5.3 Sample Duplicate. | 22 |
| | 5.4 LCS/LCSD. | 23 |
| 6 | Glossary of Terms and Qualifiers. | 28 |
| 7 | Chain-of-Custody/Sample Receipt Form. | 29 |

CERTIFICATION

All analyses were conducted at a laboratory certified for such analyses by the California Department of Public Health in accordance with applicable USEPA and NELAP accreditation procedures.

I certify under penalty of law that the data generated for Calscience Work Order Number 15-12-1556 was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. The Project Manager or designee who signed the Eurofins Calscience Work Order has been specifically authorized and approved to do so.

The information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment for knowing violations



 Signature, Laboratory Director

12/23/2015
 Date

Name of Laboratory: **Eurofins Calscience**
 Address of Laboratory: **7440 Lincoln Way**
Garden Grove, CA 92841-1432

This Certification signed by: **Elizabeth Winger**

Work Order Narrative

Work Order: 15-12-1556

Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 12/18/15. They were assigned to Work Order 15-12-1556.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of ≤ 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.



Calscience

Sample Summary

| | |
|------------------------------|--|
| Client: ANCHOR QEA, LLC | Work Order: 15-12-1556 |
| 27201 Puerta Real, Suite 350 | Project Name: San Diego Shipyards- North |
| Mission Viejo, CA 92691-8306 | PO Number: |
| | Date/Time Received: 12/18/15 18:45 |
| | Number of Containers: 2 |

Attn: Adam Gale

| Sample Identification | Lab Number | Collection Date and Time | Number of Containers | Matrix |
|--------------------------|--------------|--------------------------|----------------------|----------|
| SD-N-C-07B-D-0005-151218 | 15-12-1556-1 | 12/18/15 08:58 | 1 | Sediment |
| SD-N-C-07B-D-0535-151218 | 15-12-1556-2 | 12/18/15 08:58 | 1 | Sediment |



Calscience

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 12/18/15
 Work Order: 15-12-1556
 Preparation: N/A
 Method: SM 2540 B (M)
 Units: %

Project: San Diego Shipyards- North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-07B-D-0535-151218 | 15-12-1556-2-A | 12/18/15 08:58 | Sediment | N/A | 12/19/15 | 12/19/15 17:00 | F1219TSB1 |

| Parameter | Result | RL | DF | Qualifiers |
|---------------|--------|-------|------|------------|
| Solids, Total | 82.2 | 0.100 | 1.00 | |

| | | | | | | | |
|--------------|-----------------|-----|-------|-----|----------|-------------------|-----------|
| Method Blank | 099-05-019-3159 | N/A | Solid | N/A | 12/19/15 | 12/19/15 17:00 | F1219TSB1 |
|--------------|-----------------|-----|-------|-----|----------|-------------------|-----------|

| Parameter | Result | RL | DF | Qualifiers |
|---------------|--------|-------|------|------------|
| Solids, Total | ND | 0.100 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 12/18/15
Work Order: 15-12-1556
Preparation: EPA 3050B
Method: EPA 6020
Units: mg/kg

Project: San Diego Shipyards- North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-07B-D-0535-151218 | 15-12-1556-2-AA | 12/18/15 08:58 | Sediment | ICP/MS 03 | 12/19/15 | 12/21/15 14:21 | 151219L01E |

Comment(s): - Results are reported on a dry weight basis.
- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|-------|--------|------|------------|
| Copper | 5.43 | 0.122 | 0.0510 | 1.00 | |

| Method Blank | 099-15-254-383 | N/A | Solid | ICP/MS 03 | 12/19/15 | 12/21/15 13:59 | 151219L01E |
|--------------|----------------|-----|-------|-----------|----------|-------------------|------------|
|--------------|----------------|-----|-------|-----------|----------|-------------------|------------|

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-----------|--------|-------|--------|------|------------|
| Copper | ND | 0.100 | 0.0419 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 12/18/15
Work Order: 15-12-1556
Preparation: EPA 7471A Total
Method: EPA 7471A
Units: mg/kg

Project: San Diego Shipyards- North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|---------------------------------|------------------------|---------------------------|-----------------|-------------------|-----------------|---------------------------|-------------------|
| SD-N-C-07B-D-0535-151218 | 15-12-1556-2-AA | 12/18/15 08:58 | Sediment | Mercury 05 | 12/18/15 | 12/21/15 16:23 | 151218L01E |

Comment(s): - Results are reported on a dry weight basis.
- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|---------------|-----------|------------|-----------|-------------------|
| Mercury | 0.00976 | 0.0243 | 0.00714 | 1.00 | J |

| | | | | | | | |
|---------------------|-----------------------|------------|--------------|-------------------|-----------------|---------------------------|-------------------|
| Method Blank | 099-16-278-193 | N/A | Solid | Mercury 05 | 12/18/15 | 12/18/15 15:36 | 151218L01E |
|---------------------|-----------------------|------------|--------------|-------------------|-----------------|---------------------------|-------------------|

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|---------------|-----------|------------|-----------|-------------------|
| Mercury | ND | 0.0200 | 0.00587 | 1.00 | |



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 12/18/15
Work Order: 15-12-1556
Preparation: EPA 3541
Method: EPA 8270C SIM PAHs
Units: ug/kg

Project: San Diego Shipyards- North

Page 1 of 2

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-07B-D-0535-151218 | 15-12-1556-2-AA | 12/18/15 08:58 | Sediment | GC/MS AAA | 12/18/15 | 12/21/15 12:35 | 151218L15 |

Comment(s): - Results are reported on a dry weight basis.

- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|---------------------------|----------|----------------|------------|------|------------|
| Benzo (a) Anthracene | ND | 12 | 2.6 | 1.00 | |
| Benzo (a) Pyrene | ND | 12 | 2.2 | 1.00 | |
| Benzo (b) Fluoranthene | ND | 12 | 3.3 | 1.00 | |
| Benzo (g,h,i) Perylene | ND | 12 | 1.9 | 1.00 | |
| Benzo (k) Fluoranthene | ND | 12 | 3.4 | 1.00 | |
| Chrysene | ND | 12 | 2.7 | 1.00 | |
| Dibenz (a,h) Anthracene | ND | 12 | 2.4 | 1.00 | |
| Fluoranthene | ND | 12 | 2.2 | 1.00 | |
| Indeno (1,2,3-c,d) Pyrene | ND | 12 | 1.9 | 1.00 | |
| Perylene | ND | 12 | 2.9 | 1.00 | |
| Pyrene | ND | 12 | 2.7 | 1.00 | |
| Surrogate | Rec. (%) | Control Limits | Qualifiers | | |
| 2-Fluorobiphenyl | 65 | 14-146 | | | |
| Nitrobenzene-d5 | 71 | 18-162 | | | |
| p-Terphenyl-d14 | 77 | 34-148 | | | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 12/18/15
Work Order: 15-12-1556
Preparation: EPA 3541
Method: EPA 8270C SIM PAHs
Units: ug/kg

Project: San Diego Shipyards- North

Page 2 of 2

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-----------------------|---------------------|--------------|------------------|-----------------|---------------------------|------------------|
| Method Blank | 099-14-097-196 | N/A | Solid | GC/MS AAA | 12/18/15 | 12/21/15 11:36 | 151218L15 |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|---------------------------|-----------------|-----------------------|-------------------|-----------|-------------------|
| Benzo (a) Anthracene | ND | 10 | 2.2 | 1.00 | |
| Benzo (a) Pyrene | ND | 10 | 1.8 | 1.00 | |
| Benzo (b) Fluoranthene | ND | 10 | 2.7 | 1.00 | |
| Benzo (g,h,i) Perylene | ND | 10 | 1.5 | 1.00 | |
| Benzo (k) Fluoranthene | ND | 10 | 2.8 | 1.00 | |
| Chrysene | ND | 10 | 2.2 | 1.00 | |
| Dibenz (a,h) Anthracene | ND | 10 | 2.0 | 1.00 | |
| Fluoranthene | ND | 10 | 1.8 | 1.00 | |
| Indeno (1,2,3-c,d) Pyrene | ND | 10 | 1.6 | 1.00 | |
| Perylene | ND | 10 | 2.4 | 1.00 | |
| Pyrene | ND | 10 | 2.2 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | | |
| 2-Fluorobiphenyl | 76 | 14-146 | | | |
| Nitrobenzene-d5 | 81 | 18-162 | | | |
| p-Terphenyl-d14 | 86 | 34-148 | | | |

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 12/18/15
Work Order: 15-12-1556
Preparation: EPA 3541
Method: EPA 8270C SIM PCB Congeners
Units: ug/kg

Project: San Diego Shipyards- North

Page 1 of 4

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-07B-D-0535-151218 | 15-12-1556-2-AA | 12/18/15 08:58 | Sediment | GC/MS HHH | 12/18/15 | 12/21/15 17:11 | 151218L16 |

Comment(s): - Results are reported on a dry weight basis.

- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|------------|--------|------|-------|------|------------|
| PCB018 | ND | 0.24 | 0.086 | 1.00 | |
| PCB028 | ND | 0.24 | 0.041 | 1.00 | |
| PCB037 | ND | 0.24 | 0.073 | 1.00 | |
| PCB044 | ND | 0.24 | 0.11 | 1.00 | |
| PCB049 | ND | 0.24 | 0.14 | 1.00 | |
| PCB052 | ND | 0.24 | 0.076 | 1.00 | |
| PCB066 | ND | 0.24 | 0.12 | 1.00 | |
| PCB070 | ND | 0.24 | 0.072 | 1.00 | |
| PCB074 | ND | 0.24 | 0.11 | 1.00 | |
| PCB077 | ND | 0.24 | 0.094 | 1.00 | |
| PCB081 | ND | 0.24 | 0.15 | 1.00 | |
| PCB087 | ND | 0.24 | 0.13 | 1.00 | |
| PCB099 | ND | 0.24 | 0.073 | 1.00 | |
| PCB101 | 0.17 | 0.24 | 0.12 | 1.00 | J |
| PCB105 | ND | 0.24 | 0.066 | 1.00 | |
| PCB110 | 0.11 | 0.24 | 0.056 | 1.00 | J |
| PCB114 | ND | 0.24 | 0.099 | 1.00 | |
| PCB118 | ND | 0.24 | 0.10 | 1.00 | |
| PCB119 | ND | 0.24 | 0.11 | 1.00 | |
| PCB123 | ND | 0.24 | 0.13 | 1.00 | |
| PCB126 | ND | 0.24 | 0.097 | 1.00 | |
| PCB128 | ND | 0.24 | 0.12 | 1.00 | |
| PCB132/153 | 1.2 | 0.48 | 0.21 | 1.00 | |
| PCB138/158 | 0.99 | 0.48 | 0.11 | 1.00 | |
| PCB149 | 0.57 | 0.24 | 0.12 | 1.00 | |
| PCB151 | 0.22 | 0.24 | 0.081 | 1.00 | J |
| PCB156 | 0.084 | 0.24 | 0.070 | 1.00 | J |
| PCB157 | ND | 0.24 | 0.063 | 1.00 | |
| PCB167 | ND | 0.24 | 0.075 | 1.00 | |
| PCB168 | ND | 0.24 | 0.059 | 1.00 | |
| PCB169 | ND | 0.24 | 0.074 | 1.00 | |
| PCB170 | 0.60 | 0.24 | 0.077 | 1.00 | |
| PCB177 | 0.21 | 0.24 | 0.11 | 1.00 | J |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 12/18/15
Work Order: 15-12-1556
Preparation: EPA 3541
Method: EPA 8270C SIM PCB Congeners
Units: ug/kg

Project: San Diego Shipyards- North

Page 2 of 4

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|-----------------|-----------------------|-------------------|-----------|-------------------|
| PCB180 | 0.94 | 0.24 | 0.051 | 1.00 | |
| PCB183 | 0.26 | 0.24 | 0.13 | 1.00 | |
| PCB187 | 0.37 | 0.24 | 0.10 | 1.00 | |
| PCB189 | ND | 0.24 | 0.074 | 1.00 | |
| PCB194 | 0.17 | 0.24 | 0.14 | 1.00 | J |
| PCB201 | ND | 0.24 | 0.12 | 1.00 | |
| PCB206 | ND | 0.24 | 0.23 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | | |
| 2-Fluorobiphenyl | 97 | 50-150 | | | |
| p-Terphenyl-d14 | 88 | 50-150 | | | |



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 12/18/15
Work Order: 15-12-1556
Preparation: EPA 3541
Method: EPA 8270C SIM PCB Congeners
Units: ug/kg

Project: San Diego Shipyards- North

Page 3 of 4

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-16-418-190 | N/A | Solid | GC/MS HHH | 12/18/15 | 12/21/15 16:02 | 151218L16 |

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|------------|--------|------|-------|------|------------|
| PCB018 | ND | 0.20 | 0.071 | 1.00 | |
| PCB028 | ND | 0.20 | 0.034 | 1.00 | |
| PCB037 | ND | 0.20 | 0.060 | 1.00 | |
| PCB044 | ND | 0.20 | 0.087 | 1.00 | |
| PCB049 | ND | 0.20 | 0.11 | 1.00 | |
| PCB052 | ND | 0.20 | 0.063 | 1.00 | |
| PCB066 | ND | 0.20 | 0.10 | 1.00 | |
| PCB070 | ND | 0.20 | 0.060 | 1.00 | |
| PCB074 | ND | 0.20 | 0.087 | 1.00 | |
| PCB077 | ND | 0.20 | 0.078 | 1.00 | |
| PCB081 | ND | 0.20 | 0.12 | 1.00 | |
| PCB087 | ND | 0.20 | 0.11 | 1.00 | |
| PCB099 | ND | 0.20 | 0.061 | 1.00 | |
| PCB101 | ND | 0.20 | 0.098 | 1.00 | |
| PCB105 | ND | 0.20 | 0.055 | 1.00 | |
| PCB110 | ND | 0.20 | 0.046 | 1.00 | |
| PCB114 | ND | 0.20 | 0.082 | 1.00 | |
| PCB118 | ND | 0.20 | 0.084 | 1.00 | |
| PCB119 | ND | 0.20 | 0.094 | 1.00 | |
| PCB123 | ND | 0.20 | 0.10 | 1.00 | |
| PCB126 | ND | 0.20 | 0.080 | 1.00 | |
| PCB128 | ND | 0.20 | 0.10 | 1.00 | |
| PCB132/153 | ND | 0.40 | 0.17 | 1.00 | |
| PCB138/158 | ND | 0.40 | 0.094 | 1.00 | |
| PCB149 | ND | 0.20 | 0.098 | 1.00 | |
| PCB151 | ND | 0.20 | 0.067 | 1.00 | |
| PCB156 | ND | 0.20 | 0.058 | 1.00 | |
| PCB157 | ND | 0.20 | 0.052 | 1.00 | |
| PCB167 | ND | 0.20 | 0.062 | 1.00 | |
| PCB168 | ND | 0.20 | 0.049 | 1.00 | |
| PCB169 | ND | 0.20 | 0.061 | 1.00 | |
| PCB170 | ND | 0.20 | 0.063 | 1.00 | |
| PCB177 | ND | 0.20 | 0.087 | 1.00 | |
| PCB180 | ND | 0.20 | 0.042 | 1.00 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 12/18/15
 Work Order: 15-12-1556
 Preparation: EPA 3541
 Method: EPA 8270C SIM PCB Congeners
 Units: ug/kg

Project: San Diego Shipyards- North

Page 4 of 4

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|-----------------|-----------------------|-------------------|-----------|-------------------|
| PCB183 | ND | 0.20 | 0.11 | 1.00 | |
| PCB187 | ND | 0.20 | 0.084 | 1.00 | |
| PCB189 | ND | 0.20 | 0.061 | 1.00 | |
| PCB194 | ND | 0.20 | 0.11 | 1.00 | |
| PCB201 | ND | 0.20 | 0.097 | 1.00 | |
| PCB206 | ND | 0.20 | 0.19 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | | |
| 2-Fluorobiphenyl | 73 | 50-150 | | | |
| p-Terphenyl-d14 | 79 | 50-150 | | | |

Return to Contents 

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 12/18/15
Work Order: 15-12-1556
Preparation: EPA 3550B (M)
Method: Organotins by Krone et al.
Units: ug/kg

Project: San Diego Shipyards- North

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------|-------------------|---------------------|----------|------------|---------------|--------------------|-------------|
| SD-N-C-07B-D-0535-151218 | 15-12-1556-2-AA | 12/18/15 08:58 | Sediment | GC/MS Y | 12/18/15 | 12/21/15 13:54 | 151218L18 |

Comment(s): - Results are reported on a dry weight basis.
- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-------------|--------|-----|-----|------|------------|
| Tributyltin | ND | 3.6 | 1.8 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|--------------|----------|----------------|------------|
| Tripentyltin | 96 | 27-135 | |

| Method Blank | 099-07-016-1351 | N/A | Solid | GC/MS Y | 12/18/15 | 12/21/15 13:07 | 151218L18 |
|--------------|-----------------|-----|-------|---------|----------|-------------------|-----------|
|--------------|-----------------|-----|-------|---------|----------|-------------------|-----------|

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

| Parameter | Result | RL | MDL | DF | Qualifiers |
|-------------|--------|-----|-----|------|------------|
| Tributyltin | ND | 3.0 | 1.5 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|--------------|----------|----------------|------------|
| Tripentyltin | 102 | 27-135 | |

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 12/18/15
 Work Order: 15-12-1556
 Preparation: EPA 3050B
 Method: EPA 6020

Project: San Diego Shipyards- North

Page 1 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| 15-12-1466-1 | Sample | Sediment | ICP/MS 03 | 12/19/15 | 12/21/15 14:18 | 151219S01 |
| 15-12-1466-1 | Matrix Spike | Sediment | ICP/MS 03 | 12/19/15 | 12/21/15 14:07 | 151219S01 |
| 15-12-1466-1 | Matrix Spike Duplicate | Sediment | ICP/MS 03 | 12/19/15 | 12/21/15 14:10 | 151219S01 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Copper | 31.99 | 25.00 | 56.86 | 99 | 56.99 | 100 | 80-120 | 0 | 0-20 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 12/18/15
Work Order: 15-12-1556
Preparation: EPA 7471A Total
Method: EPA 7471A

Project: San Diego Shipyards- North

Page 2 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|--------|------------|---------------|----------------|---------------------|
| 15-12-1429-1 | Sample | Solid | Mercury 05 | 12/18/15 | 12/18/15 15:40 | 151218S01 |
| 15-12-1429-1 | Matrix Spike | Solid | Mercury 05 | 12/18/15 | 12/18/15 15:43 | 151218S01 |
| 15-12-1429-1 | Matrix Spike Duplicate | Solid | Mercury 05 | 12/18/15 | 12/18/15 15:45 | 151218S01 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Mercury | ND | 0.8350 | 0.9688 | 116 | 0.8865 | 106 | 71-137 | 9 | 0-14 | |


 Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 12/18/15
Work Order: 15-12-1556
Preparation: EPA 3541
Method: EPA 8270C SIM PAHs

Project: San Diego Shipyards- North

Page 3 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-07B-D-0535-151218 | Sample | Sediment | GC/MS AAA | 12/18/15 | 12/21/15 12:35 | 151218S15 |
| SD-N-C-07B-D-0535-151218 | Matrix Spike | Sediment | GC/MS AAA | 12/18/15 | 12/21/15 12:55 | 151218S15 |
| SD-N-C-07B-D-0535-151218 | Matrix Spike Duplicate | Sediment | GC/MS AAA | 12/18/15 | 12/21/15 13:15 | 151218S15 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|---------------------------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Benzo (a) Anthracene | ND | 100.0 | 81.58 | 82 | 98.88 | 99 | 40-160 | 19 | 0-20 | |
| Benzo (a) Pyrene | ND | 100.0 | 78.42 | 78 | 94.69 | 95 | 40-160 | 19 | 0-20 | |
| Benzo (b) Fluoranthene | ND | 100.0 | 78.72 | 79 | 93.36 | 93 | 40-160 | 17 | 0-20 | |
| Benzo (g,h,i) Perylene | ND | 100.0 | 88.49 | 88 | 105.6 | 106 | 40-160 | 18 | 0-20 | |
| Benzo (k) Fluoranthene | ND | 100.0 | 85.99 | 86 | 104.3 | 104 | 40-160 | 19 | 0-20 | |
| Chrysene | ND | 100.0 | 86.44 | 86 | 100.9 | 101 | 40-160 | 15 | 0-20 | |
| Dibenz (a,h) Anthracene | ND | 100.0 | 83.78 | 84 | 101.5 | 101 | 40-160 | 19 | 0-20 | |
| Fluoranthene | ND | 100.0 | 92.31 | 92 | 109.0 | 109 | 40-160 | 17 | 0-20 | |
| Indeno (1,2,3-c,d) Pyrene | ND | 100.0 | 84.93 | 85 | 102.0 | 102 | 40-160 | 18 | 0-20 | |
| Pyrene | ND | 100.0 | 89.86 | 90 | 104.7 | 105 | 40-160 | 15 | 0-46 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 12/18/15
Work Order: 15-12-1556
Preparation: EPA 3541
Method: EPA 8270C SIM PCB Congeners

Project: San Diego Shipyards- North

Page 4 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-07B-D-0535-151218 | Sample | Sediment | GC/MS HHH | 12/18/15 | 12/21/15 17:11 | 151218S16 |
| SD-N-C-07B-D-0535-151218 | Matrix Spike | Sediment | GC/MS HHH | 12/18/15 | 12/21/15 17:33 | 151218S16 |
| SD-N-C-07B-D-0535-151218 | Matrix Spike Duplicate | Sediment | GC/MS HHH | 12/18/15 | 12/21/15 17:56 | 151218S16 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| PCB018 | ND | 50.00 | 40.46 | 81 | 41.95 | 84 | 50-150 | 4 | 0-25 | |
| PCB028 | ND | 50.00 | 43.04 | 86 | 44.87 | 90 | 50-150 | 4 | 0-25 | |
| PCB044 | ND | 50.00 | 45.77 | 92 | 46.09 | 92 | 50-150 | 1 | 0-25 | |
| PCB052 | ND | 50.00 | 39.74 | 79 | 40.50 | 81 | 50-150 | 2 | 0-25 | |
| PCB066 | ND | 50.00 | 50.53 | 101 | 50.87 | 102 | 50-150 | 1 | 0-25 | |
| PCB077 | ND | 50.00 | 36.06 | 72 | 48.12 | 96 | 50-150 | 29 | 0-25 | 4 |
| PCB101 | ND | 50.00 | 40.66 | 81 | 45.93 | 92 | 50-150 | 12 | 0-25 | |
| PCB105 | ND | 50.00 | 36.59 | 73 | 49.23 | 98 | 50-150 | 29 | 0-25 | 4 |
| PCB118 | ND | 50.00 | 38.64 | 77 | 51.90 | 104 | 50-150 | 29 | 0-25 | 4 |
| PCB126 | ND | 50.00 | 35.57 | 71 | 48.58 | 97 | 50-150 | 31 | 0-25 | 4 |
| PCB128 | ND | 50.00 | 36.17 | 72 | 47.83 | 96 | 50-150 | 28 | 0-25 | 4 |
| PCB170 | 0.4904 | 50.00 | 48.20 | 95 | 47.87 | 95 | 50-150 | 1 | 0-25 | |
| PCB180 | 0.7710 | 50.00 | 38.31 | 75 | 50.13 | 99 | 50-150 | 27 | 0-25 | 4 |
| PCB187 | 0.3023 | 50.00 | 35.08 | 70 | 47.67 | 95 | 50-150 | 30 | 0-25 | 4 |
| PCB206 | ND | 50.00 | 46.89 | 94 | 42.40 | 85 | 50-150 | 10 | 0-25 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 12/18/15
 Work Order: 15-12-1556
 Preparation: EPA 3550B (M)
 Method: Organotins by Krone et al.

Project: San Diego Shipyards- North

Page 5 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|------------------------|----------|------------|---------------|----------------|---------------------|
| SD-N-C-07B-D-0535-151218 | Sample | Sediment | GC/MS Y | 12/18/15 | 12/21/15 13:54 | 151218S18 |
| SD-N-C-07B-D-0535-151218 | Matrix Spike | Sediment | GC/MS Y | 12/18/15 | 12/21/15 14:10 | 151218S18 |
| SD-N-C-07B-D-0535-151218 | Matrix Spike Duplicate | Sediment | GC/MS Y | 12/18/15 | 12/21/15 14:26 | 151218S18 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-------------|--------------|-------------|----------|----------|-----------|-----------|----------|-----|--------|------------|
| Tributyltin | ND | 100.0 | 67.15 | 67 | 73.89 | 74 | 34-142 | 10 | 0-50 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - PDS

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 12/18/15
 Work Order: 15-12-1556
 Preparation: EPA 3050B
 Method: EPA 6020

Project: San Diego Shipyards- North

Page 1 of 1

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | PDS/PDSD Batch Number |
|---------------------------|--------|----------|------------|----------------|----------------|-----------------------|
| 15-12-1466-1 | Sample | Sediment | ICP/MS 03 | 12/19/15 00:00 | 12/21/15 14:18 | 151219S01 |
| 15-12-1466-1 | PDS | Sediment | ICP/MS 03 | 12/19/15 00:00 | 12/21/15 14:13 | 151219S01 |

| <u>Parameter</u> | <u>Sample Conc.</u> | <u>Spike Added</u> | <u>PDS Conc.</u> | <u>PDS %Rec.</u> | <u>%Rec. CL</u> | <u>Qualifiers</u> |
|------------------|---------------------|--------------------|------------------|------------------|-----------------|-------------------|
| Copper | 31.99 | 25.00 | 55.88 | 96 | 75-125 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Sample Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 12/18/15
 Work Order: 15-12-1556
 Preparation: N/A
 Method: SM 2540 B (M)

Project: San Diego Shipyards- North

Page 1 of 1

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | Duplicate Batch Number |
|---------------------------|------------------|----------|------------|----------------|----------------|------------------------|
| 15-12-1320-1 | Sample | Sediment | N/A | 12/19/15 00:00 | 12/19/15 17:00 | F1219TSD1 |
| 15-12-1320-1 | Sample Duplicate | Sediment | N/A | 12/19/15 00:00 | 12/19/15 17:00 | F1219TSD1 |

| Parameter | Sample Conc. | DUP Conc. | RPD | RPD CL | Qualifiers |
|---------------|--------------|-----------|-----|--------|------------|
| Solids, Total | 71.40 | 71.20 | 0 | 0-10 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 12/18/15
Work Order: 15-12-1556
Preparation: EPA 3050B
Method: EPA 6020

Project: San Diego Shipyards- North

Page 1 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number | | | |
|---------------------------|-------------|-----------|------------|---------------|----------------|-----------------------|-----|--------|------------|
| 099-15-254-383 | LCS | Solid | ICP/MS 03 | 12/19/15 | 12/21/15 14:02 | 151219L01E | | | |
| 099-15-254-383 | LCSD | Solid | ICP/MS 03 | 12/19/15 | 12/21/15 14:04 | 151219L01E | | | |
| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
| Copper | 25.00 | 26.57 | 106 | 26.70 | 107 | 80-120 | 0 | 0-20 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 12/18/15
 Work Order: 15-12-1556
 Preparation: EPA 7471A Total
 Method: EPA 7471A

Project: San Diego Shipyards- North

Page 2 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|------|--------|------------|---------------|----------------|-----------------------|
| 099-16-278-193 | LCS | Solid | Mercury 05 | 12/18/15 | 12/18/15 15:38 | 151218L01E |
| 099-16-278-193 | LCSD | Solid | Mercury 05 | 12/18/15 | 12/21/15 15:36 | 151218L01E |

| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|-------------|-----------|-----------|------------|------------|----------|-----|--------|------------|
| Mercury | 0.8350 | 0.8791 | 105 | 0.8632 | 103 | 82-124 | 2 | 0-16 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 12/18/15
Work Order: 15-12-1556
Preparation: EPA 3541
Method: EPA 8270C SIM PAHs

Project: San Diego Shipyards- North

Page 3 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number | | | |
|---------------------------|-------------|-----------|------------|---------------|----------------|-----------------------|-----|--------|------------|
| 099-14-097-196 | LCS | Solid | GC/MS AAA | 12/18/15 | 12/21/15 11:56 | 151218L15 | | | |
| 099-14-097-196 | LCSD | Solid | GC/MS AAA | 12/18/15 | 12/21/15 12:16 | 151218L15 | | | |
| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
| Benzo (a) Anthracene | 100.0 | 79.55 | 80 | 78.94 | 79 | 40-160 | 1 | 0-20 | |
| Benzo (a) Pyrene | 100.0 | 74.87 | 75 | 73.92 | 74 | 40-160 | 1 | 0-20 | |
| Benzo (b) Fluoranthene | 100.0 | 77.28 | 77 | 76.78 | 77 | 40-160 | 1 | 0-20 | |
| Benzo (g,h,i) Perylene | 100.0 | 85.85 | 86 | 87.21 | 87 | 40-160 | 2 | 0-20 | |
| Benzo (k) Fluoranthene | 100.0 | 86.50 | 86 | 85.19 | 85 | 40-160 | 2 | 0-20 | |
| Chrysene | 100.0 | 87.12 | 87 | 86.67 | 87 | 40-160 | 1 | 0-20 | |
| Dibenz (a,h) Anthracene | 100.0 | 81.25 | 81 | 82.45 | 82 | 40-160 | 1 | 0-20 | |
| Fluoranthene | 100.0 | 92.68 | 93 | 91.85 | 92 | 40-160 | 1 | 0-20 | |
| Indeno (1,2,3-c,d) Pyrene | 100.0 | 81.83 | 82 | 83.03 | 83 | 40-160 | 1 | 0-20 | |
| Pyrene | 100.0 | 89.91 | 90 | 88.58 | 89 | 40-160 | 1 | 0-16 | |



Calscience

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 12/18/15
Work Order: 15-12-1556
Preparation: EPA 3541
Method: EPA 8270C SIM PCB Congeners

Project: San Diego Shipyards- North

Page 4 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number | | | | |
|---------------------------|-------------|-----------|------------|---------------|----------------|-----------------------|--------|-----|--------|------------|
| 099-16-418-190 | LCS | Solid | GC/MS HHH | 12/18/15 | 12/21/15 16:25 | 151218L16 | | | | |
| 099-16-418-190 | LCSD | Solid | GC/MS HHH | 12/18/15 | 12/21/15 16:47 | 151218L16 | | | | |
| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | ME CL | RPD | RPD CL | Qualifiers |
| PCB018 | 50.00 | 38.00 | 76 | 33.51 | 67 | 50-150 | 33-167 | 13 | 0-25 | |
| PCB028 | 50.00 | 38.85 | 78 | 35.22 | 70 | 50-150 | 33-167 | 10 | 0-25 | |
| PCB044 | 50.00 | 36.42 | 73 | 32.93 | 66 | 50-150 | 33-167 | 10 | 0-25 | |
| PCB052 | 50.00 | 33.72 | 67 | 31.77 | 64 | 50-150 | 33-167 | 6 | 0-25 | |
| PCB066 | 50.00 | 43.82 | 88 | 40.12 | 80 | 50-150 | 33-167 | 9 | 0-25 | |
| PCB077 | 50.00 | 44.64 | 89 | 38.57 | 77 | 50-150 | 33-167 | 15 | 0-25 | |
| PCB101 | 50.00 | 37.81 | 76 | 35.44 | 71 | 50-150 | 33-167 | 6 | 0-25 | |
| PCB105 | 50.00 | 42.02 | 84 | 38.60 | 77 | 50-150 | 33-167 | 8 | 0-25 | |
| PCB118 | 50.00 | 44.95 | 90 | 41.62 | 83 | 50-150 | 33-167 | 8 | 0-25 | |
| PCB126 | 50.00 | 44.05 | 88 | 41.20 | 82 | 50-150 | 33-167 | 7 | 0-25 | |
| PCB128 | 50.00 | 42.11 | 84 | 39.40 | 79 | 50-150 | 33-167 | 7 | 0-25 | |
| PCB170 | 50.00 | 43.71 | 87 | 39.26 | 79 | 50-150 | 33-167 | 11 | 0-25 | |
| PCB180 | 50.00 | 42.24 | 84 | 39.94 | 80 | 50-150 | 33-167 | 6 | 0-25 | |
| PCB187 | 50.00 | 39.12 | 78 | 37.80 | 76 | 50-150 | 33-167 | 3 | 0-25 | |
| PCB206 | 50.00 | 42.22 | 84 | 39.01 | 78 | 50-150 | 33-167 | 8 | 0-25 | |

Total number of LCS compounds: 15

Total number of ME compounds: 0

Total number of ME compounds allowed: 1

LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 12/18/15
Work Order: 15-12-1556
Preparation: EPA 3550B (M)
Method: Organotins by Krone et al.

Project: San Diego Shipyards- North

Page 5 of 5

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number | | | |
|---------------------------|-------------|-----------|------------|---------------|----------------|-----------------------|-----|--------|------------|
| 099-07-016-1351 | LCS | Solid | GC/MS Y | 12/18/15 | 12/21/15 13:23 | 151218L18 | | | |
| 099-07-016-1351 | LCSD | Solid | GC/MS Y | 12/18/15 | 12/21/15 13:39 | 151218L18 | | | |
| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
| Tributyltin | 100.0 | 66.43 | 66 | 74.97 | 75 | 33-147 | 12 | 0-20 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Glossary of Terms and Qualifiers

Work Order: 15-12-1556

Page 1 of 1

| <u>Qualifiers</u> | <u>Definition</u> |
|-------------------|---|
| * | See applicable analysis comment. |
| < | Less than the indicated value. |
| > | Greater than the indicated value. |
| 1 | Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification. |
| 2 | Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification. |
| 3 | Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control. |
| 4 | The MS/MSD RPD was out of control due to suspected matrix interference. |
| 5 | The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference. |
| 6 | Surrogate recovery below the acceptance limit. |
| 7 | Surrogate recovery above the acceptance limit. |
| B | Analyte was present in the associated method blank. |
| BU | Sample analyzed after holding time expired. |
| BV | Sample received after holding time expired. |
| CI | See case narrative. |
| E | Concentration exceeds the calibration range. |
| ET | Sample was extracted past end of recommended max. holding time. |
| HD | The chromatographic pattern was inconsistent with the profile of the reference fuel standard. |
| HDH | The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected). |
| HDL | The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected). |
| J | Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated. |
| JA | Analyte positively identified but quantitation is an estimate. |
| ME | LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean). |
| ND | Parameter not detected at the indicated reporting limit. |
| Q | Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater. |
| SG | The sample extract was subjected to Silica Gel treatment prior to analysis. |
| X | % Recovery and/or RPD out-of-range. |
| Z | Analyte presence was not confirmed by second column or GC/MS analysis. |
| | Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis. |
| | Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time. |
| | A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations. |

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: ANCHOR QEA

DATE: 12/18/2015

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)
 Thermometer ID: SC2 (CF:-0.4°C); Temperature (w/o CF): 3.2 °C (w/ CF): 2.8 °C; Blank Sample
 Sample(s) outside temperature criteria (PM/APM contacted by: _____)
 Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling
 Sample(s) received at ambient temperature; placed on ice for transport by courier
 Ambient Temperature: Air Filter

Checked by: 671

CUSTODY SEAL:

Cooler Present and Intact Present but Not Intact Not Present N/A
 Sample(s) Present and Intact Present but Not Intact Not Present N/A

Checked by: 671
Checked by: 1050

SAMPLE CONDITION:

| | Yes | No | N/A |
|--|-------------------------------------|--------------------------|-------------------------------------|
| Chain-of-Custody (COC) document(s) received with samples | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| COC document(s) received complete | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> Sampling date <input type="checkbox"/> Sampling time <input type="checkbox"/> Matrix <input type="checkbox"/> Number of containers | | | |
| <input type="checkbox"/> No analysis requested <input type="checkbox"/> Not relinquished <input type="checkbox"/> No relinquished date <input type="checkbox"/> No relinquished time | | | |
| Sampler's name indicated on COC | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Sample container label(s) consistent with COC | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Sample container(s) intact and in good condition | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Proper containers for analyses requested | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Sufficient volume/mass for analyses requested | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Samples received within holding time | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Aqueous samples for certain analyses received within 15-minute holding time | | | |
| <input type="checkbox"/> pH <input type="checkbox"/> Residual Chlorine <input type="checkbox"/> Dissolved Sulfide <input type="checkbox"/> Dissolved Oxygen | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Proper preservation chemical(s) noted on COC and/or sample container | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Unpreserved aqueous sample(s) received for certain analyses | | | |
| <input type="checkbox"/> Volatile Organics <input type="checkbox"/> Total Metals <input type="checkbox"/> Dissolved Metals | | | |
| Container(s) for certain analysis free of headspace | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input type="checkbox"/> Volatile Organics <input type="checkbox"/> Dissolved Gases (RSK-175) <input type="checkbox"/> Dissolved Oxygen (SM 4500) | | | |
| <input type="checkbox"/> Carbon Dioxide (SM 4500) <input type="checkbox"/> Ferrous Iron (SM 3500) <input type="checkbox"/> Hydrogen Sulfide (Hach) | | | |
| Tedlar™ bag(s) free of condensation | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

CONTAINER TYPE:

(Trip Blank Lot Number: _____)

Aqueous: VOA VOAh VOAn₂ 100PJ 100PJna₂ 125AGB 125AGBh 125AGBp 125PB
 125PBz_{na} 250AGB 250CGB 250CGBs 250PB 250PBn 500AGB 500AGJ 500AGJs
 500PB 1AGB 1AGBna₂ 1AGBs 1PB 1PBna _____ _____ _____
 Solid: 4ozCGJ 8ozCGJ 16ozCGJ Sleeve (_____) EnCores® (_____) TerraCores® (_____) _____
 Air: Tedlar™ Canister Sorbent Tube PUF _____ Other Matrix (Sediment): 8ozCGJ 16ozCGJ

Container: A = Amber, B = Bottle, C = Clear, E = Envelope, G = Glass, J = Jar, P = Plastic, and Z = Ziploc/Resealable Bag
 Preservative: b = buffered, f = filtered, h = HCl, n = HNO₃, na = NaOH, na₂ = Na₂S₂O₃, p = H₃PO₄, Labeled/Checked by: 1050
 s = H₂SO₄, u = ultra-pure, z_{na} = Zn(CH₃CO₂)₂ + NaOH Reviewed by: [Signature]

