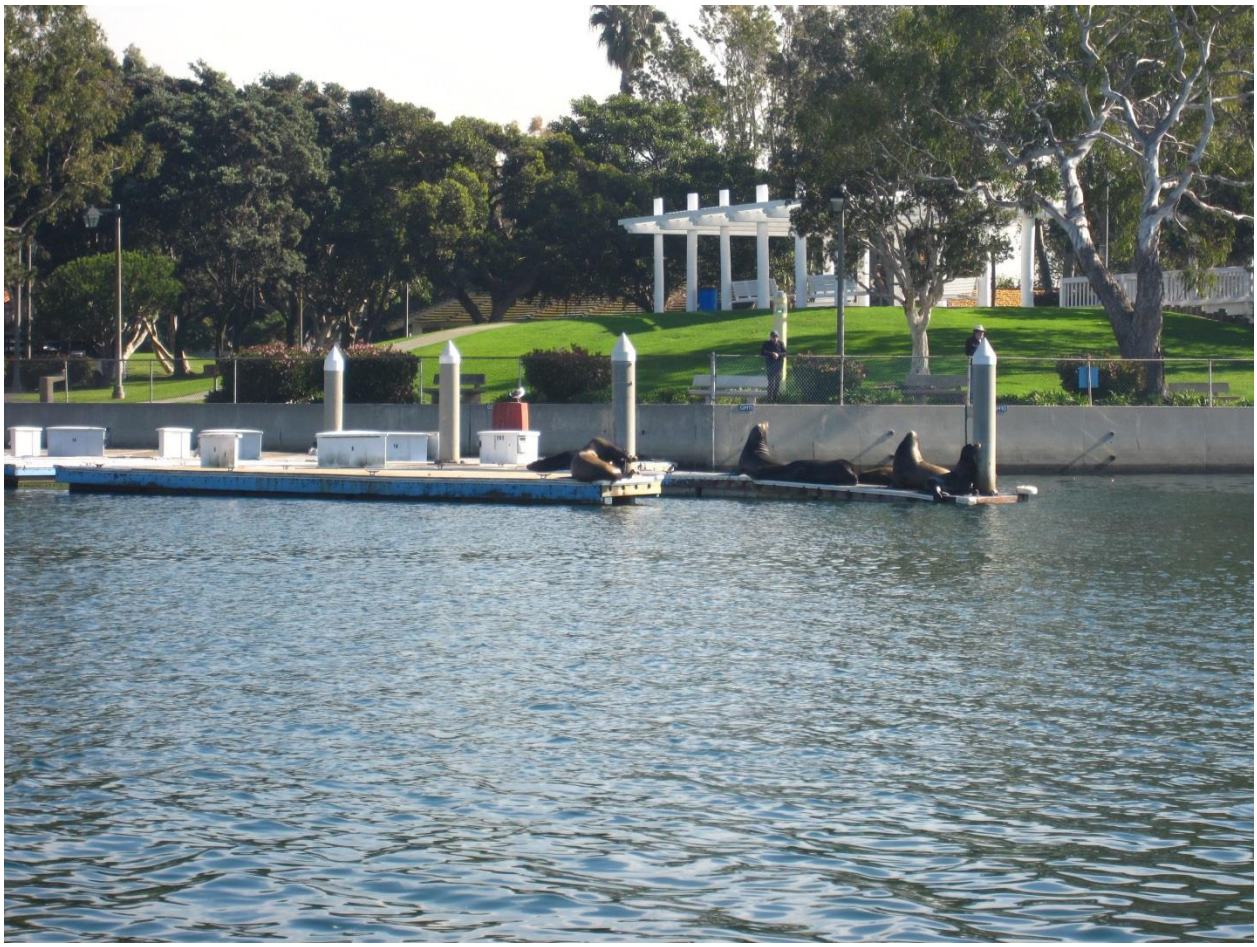
MARINA DEL REY HARBOR
TOXIC POLLUTANTS TOTAL MAXIMUM DAILY LOAD
COORDINATED MONITORING PLAN



MONITORING RESULTS
August 2014 to July 2015

Prepared for the County of Los Angeles, City of Los Angeles, City of Culver City, and the State of California through its Department of Transportation (Caltrans)

This page intentionally left blank.

Storm Water Quality Data

This page intentionally left blank.

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Wet-Weather Monitoring
2014-2015

WET WEATHER MONITORING SUMMARY REPORT EVENT 1								
Sample Date	**Station Information**	**Hardness (mg/L)**	**Metal**	**Units**	**MDL**	**Reporting Limit**	**Total Recoverable Concentration**	**Dissolved Concentration**
11/3/2014	MdR-3 Washington Boulevard and Thatcher Avenue	**180**	Copper Lead Zinc	µg/L µg/L µg/L	2.67 4.06 3.52	10.0 10.0 10.0	**152** **28.3** **1310**	**54.5** **4.63 J** **762**
11/3/2014	MdR-4 Oxford Flood Control Basin	**130**	Copper Lead Zinc	µg/L µg/L µg/L	2.67 4.06 3.52	10.0 10.0 10.0	**160** **21.9** **1310**	**91.2** ND **1090**
11/3/2014	MdR-5 Boone-Olive Pump Station	**320**	Copper Lead Zinc	µg/L µg/L µg/L	2.67 4.06 3.52	10.0 10.0 10.0	**188** **39.9** **1290**	**57.8** ND **650**
11/3/2014	MdRU-C1 Under-represented located north of Bali and Admiralty Ways	**390**	Copper Lead Zinc	µg/L µg/L µg/L	2.67 4.06 3.52	10.0 10.0 10.0	**87.1** **12.1** **678**	**56.7** ND **555**
11/3/2014	MdRU-C2 Under-represented located north of Abbot Kinney Boulevard and Woodlawn Avenue	**200**	Copper Lead Zinc	µg/L µg/L µg/L	2.67 4.06 3.52	10.0 10.0 10.0	**145** **11.5** **823**	**120** ND **566**

Notes:

Detections are indicated in **bold**

Hardness reporting limit for MdRU-C1 and MdR-5-Duplicate is 4.0 mg/L and for all others is 10 mg/L

MDL - Method Detection Limit

ND - Analyte not detected at or above the method detection limit

Reporting Limit - Lowest concentration for which quantitative data are reported

mg/L - milligram per liter

µg/L - microgram per liter

J - Qualifier indicates value is between the reporting limit and the MDL, value is estimate

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Wet-Weather Monitoring
2014-2015

WET WEATHER MONITORING SUMMARY REPORT EVENT 2								
Sample Date	**Station Information**	**Hardness (mg/L)**	**Metal**	**Units**	**MDL**	**Reporting Limit**	**Total Recoverable Concentration**	**Dissolved Concentration**
12/4/2014	MdR-3 Washington Boulevard and Thatcher Avenue	**22**	Copper Lead Zinc	µg/L µg/L µg/L	2.67 4.06 3.52	10.0 10.0 10.0	**36.1** **8.57 J** **267**	**17** ND **170**
12/4/2014	MdR-4 Oxford Flood Control Basin	**24**	Copper Lead Zinc	µg/L µg/L µg/L	2.67 4.06 3.52	10.0 10.0 10.0	**22.9** ND **213**	**14.5** ND **168**
12/4/2014	MdR-5 Boone-Olive Pump Station	**330**	Copper Lead Zinc	µg/L µg/L µg/L	2.67 4.06 3.52	10.0 10.0 10.0	**38.6** **4.97 J** **188**	**17.6** ND **110**
12/4/2014	MdRU-C1 Under-represented located north of Bali and Admiralty Ways	**52**	Copper Lead Zinc	µg/L µg/L µg/L	2.67 4.06 3.52	10.0 10.0 10.0	**24** ND **119**	**20.5** ND **101**
12/4/2014	MdRU-C2 Under-represented located north of Abbot Kinney Boulevard and Woodlawn Avenue	**38**	Copper Lead Zinc	µg/L µg/L µg/L	2.67 4.06 3.52	10.0 10.0 10.0	**20.1** ND **172**	**16** ND **95.7**

Notes:

Detections are indicated in **bold**
Hardness reporting limit is 2.0 mg/L
MDL - Method Detection Limit
ND - Analyte not detected at or above the method detection limit
Reporting Limit - Lowest concentration for which quantitative data are reported
mg/L - milligram per liter
µg/L - microgram per liter
J - Qualifier indicates value is between the reporting limit and the MDL, value is estimate

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Wet-Weather Monitoring
2014-2015

WET WEATHER MONITORING SUMMARY REPORT EVENT 3								
Sample Date	**Station Information**	**Hardness (mg/L)**	**Metal**	**Units**	**MDL**	**Reporting Limit**	**Total Recoverable Concentration**	**Dissolved Concentration**
12/13/2014	MdR-3 Washington Boulevard and Thatcher Avenue	**26**	Copper Lead Zinc	µg/L µg/L µg/L	2.67 4.06 3.52	10.0 10.0 10.0	**24.7** **9.39 J** **192**	**11.9** ND **101**
12/13/2014	MdR-4 Oxford Flood Control Basin	**23**	Copper Lead Zinc	µg/L µg/L µg/L	2.67 4.06 3.52	10.0 10.0 10.0	**29.1** ND **133**	**10.7** ND **111**
12/13/2014	MdR-5 Boone-Olive Pump Station	**95**	Copper Lead Zinc	µg/L µg/L µg/L	2.67 4.06 3.52	10.0 10.0 10.0	**26.7** **4.56 J** **260**	**15.6** ND **198**
12/13/2014	MdRU-C1 Under-represented located north of Bali and Admiralty Ways	**36**	Copper Lead Zinc	µg/L µg/L µg/L	2.67 4.06 3.52	10.0 10.0 10.0	**44.1** ND **186**	**31.4** ND **143**
12/13/2014	MdRU-C2 Under-represented located north of Abbot Kinney Boulevard and Woodlawn Avenue	**61**	Copper Lead Zinc	µg/L µg/L µg/L	2.67 4.06 3.52	10.0 10.0 10.0	**25.8** **4.69 J** **92.8**	**19.0** ND **57.6**

Notes:

Detections are indicated in **bold**
Hardness reporting limit is 2.0 mg/L
MDL - Method Detection Limit
ND - Analyte not detected at or above the method detection limit
Reporting Limit - Lowest concentration for which quantitative data are reported
mg/L - milligram per liter
µg/L - microgram per liter
J - Qualifier indicates value is between the reporting limit and the MDL, value is estimate

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Wet-Weather Monitoring
2014-2015

WET WEATHER MONITORING SUMMARY REPORT
EVENT 4

Sample Date	Station Information	Hardness (mg/L)	Metal	Units	MDL	Reporting Limit	Total Recoverable Concentration	Dissolved Concentration
1/27/2015	MdR-3 Washington Boulevard and Thatcher Avenue	**27**	Copper Lead Zinc	µg/L µg/L µg/L	2.67 4.06 3.52	10.0 10.0 10.0	**43.1** **8.83 J** **244**	**23.6** ND **256** [1]
1/27/2015	MdR-4 Oxford Flood Control Basin	**47**	Copper Lead Zinc	µg/L µg/L µg/L	2.67 4.06 3.52	10.0 10.0 10.0	**21.7** ND **220**	**18.4** ND **219**
1/27/2015	MdR-5 Boone-Olive Pump Station	**840**	Copper Lead Zinc	µg/L µg/L µg/L	2.67 4.06 3.52	10.0 10.0 10.0	**8.36 J** ND **97.5**	**5.05 J** ND **60.5**
1/27/2015	MdRU-C1 Under-represented located north of Bali and Admiralty Ways	**140**	Copper Lead Zinc	µg/L µg/L µg/L	2.67 4.06 3.52	10.0 10.0 10.0	**114** **10.3** **398**	**91.8** ND **459** [1]
1/27/2015	MdRU-C2 Under-represented located north of Abbot Kinney Boulevard and Woodlawn Avenue	**47**	Copper Lead Zinc	µg/L µg/L µg/L	2.67 4.06 3.52	10.0 10.0 10.0	**47.2** **6.24 J** **157**	**36.5** ND **120**

Notes:

Detections are indicated in **bold**

Hardness reporting limit is 2.0 mg/L, except that the reporting limit is 4.0 mg/L for MdR-5

MDL - Method Detection Limit

ND - Analyte not detected at or above the method detection limit

Reporting Limit - Lowest concentration for which quantitative data are reported

mg/L - milligram per liter

µg/L - microgram per liter

J - Qualifier indicates value is between the reporting limit and the MDL, value is estimate

[1] Total and dissolved zinc concentrations for some samples are very similar showing that the zinc is primarily in the dissolved form. Due to sampling and analytical variability, the dissolved zinc concentrations occasionally exceed total zinc concentrations. The data are considered valid and are within method tolerance limits.

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Wet-Weather Monitoring
2014-2015

WET WEATHER MONITORING SUMMARY REPORT EVENT 5								
Sample Date	**Station Information**	**Hardness (mg/L)**	**Metal**	**Units**	**MDL**	**Reporting Limit**	**Total Recoverable Concentration**	**Dissolved Concentration**
2/23/2015	MdR-3 Washington Boulevard and Thatcher Avenue	**60**	Copper Lead Zinc	µg/L µg/L µg/L	2.67 4.06 3.52	10.0 10.0 10.0	**93.5** **28.2** **638**	**19.2** ND **138**
2/23/2015	MdR-4 Oxford Flood Control Basin	**99**	Copper Lead Zinc	µg/L µg/L µg/L	2.67 4.06 3.52	10.0 10.0 10.0	**19.5** ND **176**	**9.75 J** ND **141**
2/23/2015	MdR-5 Boone-Olive Pump Station	**2,600**	Copper Lead Zinc	µg/L µg/L µg/L	2.67 4.06 3.52	10.0 10.0 10.0	**7.48 J** ND **66.2**	ND ND **40.5**
2/23/2015	MdRU-C1 Under-represented located north of Bali and Admiralty Ways	**1,200**	Copper Lead Zinc	µg/L µg/L µg/L	2.67 4.06 3.52	10.0 10.0 10.0	**24.6** ND **181**	**15.0** ND **137**
2/23/2015	MdRU-C2 Under-represented located north of Abbot Kinney Boulevard and Woodlawn Avenue	**70**	Copper Lead Zinc	µg/L µg/L µg/L	2.67 4.06 3.52	10.0 10.0 10.0	**138** **55.3** **804**	**46.9** ND **301**

Notes:

Detections are indicated in **bold**

Hardness RL is 4.0 mg/L for MdRU-C1; 10 mg/L for MdRU-C2, MdR-3, MdR-5, and MdR-5 - Duplicate; and 2.0 mg/L for MdR-4

MDL - Method Detection Limit

ND - Analyte not detected at or above the method detection limit

Reporting Limit - Lowest concentration for which quantitative data are reported

mg/L - milligram per liter

µg/L - microgram per liter

J - Qualifier indicates value is between the reporting limit and the MDL, value is estimate

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Wet-Weather Monitoring
2014-2015

WET WEATHER MONITORING SUMMARY REPORT EVENT 6								
Sample Date	**Station Information**	**Hardness (mg/L)**	**Metal**	**Units**	**MDL**	**Reporting Limit**	**Total Recoverable Concentration**	**Dissolved Concentration**
3/3/2015	MdR-3 Washington Boulevard and Thatcher Avenue	**17**	Copper Lead Zinc	µg/L µg/L µg/L	2.67 4.06 3.52	10.0 10.0 10.0	**39.9** **17.9** **232**	**12.7** ND **84.8**
3/3/2015	MdR-4 Oxford Flood Control Basin	**47**	Copper Lead Zinc	µg/L µg/L µg/L	2.67 4.06 3.52	10.0 10.0 10.0	**24.3** **5.75 J** **172**	**11.9** ND **99.5**
3/3/2015	MdR-5 Boone-Olive Pump Station	**2,300**	Copper Lead Zinc	µg/L µg/L µg/L	2.67 4.06 3.52	10.0 10.0 10.0	**9.42 J** ND **71.7**	ND ND **49.3**
3/3/2015	MdRU-C1 Under-represented located north of Bali and Admiralty Ways	**85**	Copper Lead Zinc	µg/L µg/L µg/L	2.67 4.06 3.52	10.0 10.0 10.0	**71.9** **5.48 J** **294**	**58.7** ND **243**
3/3/2015	MdRU-C2 Under-represented located north of Abbot Kinney Boulevard and Woodlawn Avenue	**13**	Copper Lead Zinc	µg/L µg/L µg/L	2.67 4.06 3.52	10.0 10.0 10.0	**28.2** **9.48 J** **114**	**16.2** ND **63.6**

Notes:

Detections are indicated in **bold**

Hardness reporting limit is 2.0 mg/L, except that the reporting limit is 10 mg/L for MdR-5

MDL - Method Detection Limit

ND - Analyte not detected at or above the method detection limit

Reporting Limit - Lowest concentration for which quantitative data are reported

mg/L - milligram per liter

µg/L - microgram per liter

J - Qualifier indicates value is between the reporting limit and the MDL, value is estimate

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Wet-Weather Monitoring
2014-2015

WET WEATHER MONITORING SUMMARY REPORT
EVENT 7

Sample Date	Station Information	Hardness (mg/L)	Metal	Units	MDL	Reporting Limit	Total Recoverable Concentration	Dissolved Concentration
4/8/2015	MdR-3 Washington Boulevard and Thatcher Avenue	**32**	Copper Lead Zinc	µg/L µg/L µg/L	2.67 4.06 3.52	10.0 10.0 10.0	**144** **29.3** **939**	**58.6** ND **554**
4/8/2015	MdR-4 Oxford Flood Control Basin	**34**	Copper Lead Zinc	µg/L µg/L µg/L	2.67 4.06 3.52	10.0 10.0 10.0	**147** **15.7** **974**	**69.0** ND **769**
4/8/2015	MdR-5 Boone-Olive Pump Station	**580**	Copper Lead Zinc	µg/L µg/L µg/L	2.67 4.06 3.52	10.0 10.0 10.0	**6.55 J** **4.94 J** **130**	ND **4.86 J** **149** [1]
4/8/2015	MdRU-C1 Under-represented located north of Bali and Admiralty Ways	**45**	Copper Lead Zinc	µg/L µg/L µg/L	2.67 4.06 3.52	10.0 10.0 10.0	**73.6** **10.9** **360**	**50.8** ND **242**
4/8/2015	MdRU-C2 Under-represented located north of Abbot Kinney Boulevard and Woodlawn Avenue	**24**	Copper Lead Zinc	µg/L µg/L µg/L	2.67 4.06 3.52	10.0 10.0 10.0	**64.3** **13.2** **332**	**51.7** ND **280**

Notes:

Detections are indicated in **bold**

Hardness reporting limit is 2.0 mg/L

MDL - Method Detection Limit

ND - Analyte not detected at or above the method detection limit

Reporting Limit - Lowest concentration for which quantitative data are reported

mg/L - milligram per liter

µg/L - microgram per liter

J - Qualifier indicates value is between the reporting limit and the MDL, value is estimate

[1] Total and dissolved zinc concentrations for some samples are very similar showing that the zinc is primarily in the dissolved form. Due to sampling and analytical variability, the dissolved zinc concentrations occasionally exceed total zinc concentrations. The data are considered valid and are within method tolerance limits.

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Wet-Weather Monitoring
2014-2015

WET WEATHER MONITORING SUMMARY REPORT
EVENT 8

Sample Date	Station Information	Hardness (mg/L)	Metal	Units	MDL	Reporting Limit	Total Recoverable Concentration	Dissolved Concentration
5/8/2015	MdR-3 Washington Boulevard and Thatcher Avenue	**90**	Copper Lead Zinc	µg/L µg/L µg/L	2.67 4.06 3.52	10.0 10.0 10.0	**97.2** **15.9** **648**	**44.0** ND **407**
5/8/2015	MdR-4 Oxford Flood Control Basin	**76**	Copper Lead Zinc	µg/L µg/L µg/L	2.67 4.06 3.52	10.0 10.0 10.0	**78.7** **10.5** **623**	**35.9** ND **432**
5/8/2015	MdR-5 Boone-Olive Pump Station	**3,100**	Copper Lead Zinc	µg/L µg/L µg/L	2.67 4.06 3.52	10.0 10.0 10.0	ND **4.81 J** **50.9**	ND **4.91 J** [1] **36.9**
5/8/2015	MdRU-C1 Under-represented located north of Bali and Admiralty Ways	**190**	Copper Lead Zinc	µg/L µg/L µg/L	2.67 4.06 3.52	10.0 10.0 10.0	**208** **11.9** **1,120**	**164** ND **915**
5/8/2015	MdRU-C2 Under-represented located north of Abbot Kinney Boulevard and Woodlawn Avenue	**90**	Copper Lead Zinc	µg/L µg/L µg/L	2.67 4.06 3.52	10.0 10.0 10.0	**111** **8.89 J** **628**	**92.8** ND **538**

Notes:

Detections are indicated in **bold**

Hardness reporting limit is 2.0 mg/L for MdR-4 and is 10 mg/L for all other sites

MDL - Method Detection Limit

ND - Analyte not detected at or above the method detection limit

Reporting Limit - Lowest concentration for which quantitative data are reported

mg/L - milligram per liter

µg/L - microgram per liter

J - Qualifier indicates value is between the reporting limit and the MDL, value is estimate

[1] Total and dissolved lead concentrations for some samples are very similar showing that the lead is primarily in the dissolved form. Due to sampling and analytical variability, the dissolved lead concentrations occasionally exceed total lead concentrations. The total and dissolved lead concentrations are estimated values, less than the reporting l The data are considered valid and are within method tolerance limits.

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Wet-Weather Monitoring
2014-2015

WET WEATHER MONITORING SUMMARY REPORT EVENT 9								
Sample Date	**Station Information**	**Hardness (mg/L)**	**Metal**	**Units**	**MDL**	**Reporting Limit**	**Total Recoverable Concentration**	**Dissolved Concentration**
5/16/2015	MdR-3 Washington Boulevard and Thatcher Avenue	**23**	Copper Lead Zinc	µg/L µg/L µg/L	2.67 4.06 3.52	10.0 10.0 10.0	**42.9** **8.53 J** **307**	**13.0** ND **123**
5/16/2015	MdR-4 Oxford Flood Control Basin	**21**	Copper Lead Zinc	µg/L µg/L µg/L	2.67 4.06 3.52	10.0 10.0 10.0	**45.2** **8.00 J** **266**	**5.81 J** ND **76.4**
5/16/2015	MdR-5 Boone-Olive Pump Station	**2,900**	Copper Lead Zinc	µg/L µg/L µg/L	2.67 4.06 3.52	10.0 10.0 10.0	ND ND **57.9**	ND ND **35.7**
5/16/2015	MdRU-C1 Under-represented located north of Bali and Admiralty Ways	**82**	Copper Lead Zinc	µg/L µg/L µg/L	2.67 4.06 3.52	10.0 10.0 10.0	**46.6** **6.87 J** **203**	**19.5** ND **104**
5/16/2015	MdRU-C2 Under-represented located north of Abbot Kinney Boulevard and Woodlawn Avenue	**17**	Copper Lead Zinc	µg/L µg/L µg/L	2.67 4.06 3.52	10.0 10.0 10.0	**44.4** **15.6** **214**	**10.7** ND **133**

Notes:

Detections are indicated in **bold**

Hardness reporting limit is 2.0 mg/L , except it is 10 mg/L for MdR-5

MDL - Method Detection Limit

ND - Analyte not detected at or above the method detection limit

Reporting Limit - Lowest concentration for which quantitative data are reported

mg/L - milligram per liter

µg/L - microgram per liter

J - Qualifier indicates value is between the reporting limit and the MDL, value is estimate

This page intentionally left blank.

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Wet-Weather Monitoring
2014-2015

WET WEATHER MONITORING SUMMARY REPORT EVENT 1						
Sample Date	**Station Information**	**Organics**	**Units**	**MDL**	**Reporting Limit**	**Concentration**
11/3/2014	MdR-3 Washington Boulevard and Thatcher Avenue	Chlordane	µg/L	0.012	0.095	ND
		Aroclor 1016	µg/L	0.013	0.095	ND
		Aroclor 1221	µg/L	0.024	0.095	ND
		Aroclor 1232	µg/L	0.015	0.095	ND
		Aroclor 1242	µg/L	0.026	0.095	ND
		Aroclor 1248	µg/L	0.017	0.095	ND
		Aroclor 1254	µg/L	0.023	0.095	ND
		Aroclor 1260	µg/L	0.013	0.095	ND
		Aroclor 1262	µg/L	0.015	0.095	ND
		Total PCBs	µg/L	0.026	0.095	ND
11/3/2014	MdR-4 Oxford Flood Control Basin	Chlordane	µg/L	0.012	0.096	ND
		Aroclor 1016	µg/L	0.013	0.096	ND
		Aroclor 1221	µg/L	0.024	0.096	ND
		Aroclor 1232	µg/L	0.015	0.096	ND
		Aroclor 1242	µg/L	0.026	0.096	ND
		Aroclor 1248	µg/L	0.017	0.096	ND
		Aroclor 1254	µg/L	0.023	0.096	ND
		Aroclor 1260	µg/L	0.014	0.096	ND
		Aroclor 1262	µg/L	0.013	0.096	ND
		Total PCBs	µg/L	0.026	0.096	ND
11/3/2014	MdR-5 Boone-Olive Pump Station	Chlordane	µg/L	0.012	0.095	ND
		Aroclor 1016	µg/L	0.013	0.095	ND
		Aroclor 1221	µg/L	0.024	0.095	ND
		Aroclor 1232	µg/L	0.015	0.095	ND
		Aroclor 1242	µg/L	0.026	0.095	ND
		Aroclor 1248	µg/L	0.017	0.095	ND
		Aroclor 1254	µg/L	0.023	0.095	ND
		Aroclor 1260	µg/L	0.013	0.095	ND
		Aroclor 1262	µg/L	0.015	0.095	ND
		Total PCBs	µg/L	0.026	0.095	ND
11/3/2014	MdRU-C1 Under-represented located north of Bali and Admiralty Ways	Chlordane	µg/L	0.012	0.095	ND
		Aroclor 1016	µg/L	0.013	0.095	ND
		Aroclor 1221	µg/L	0.024	0.095	ND
		Aroclor 1232	µg/L	0.015	0.095	ND
		Aroclor 1242	µg/L	0.026	0.095	ND
		Aroclor 1248	µg/L	0.017	0.095	ND
		Aroclor 1254	µg/L	0.023	0.095	ND
		Aroclor 1260	µg/L	0.013	0.095	ND
		Aroclor 1262	µg/L	0.015	0.095	ND
		Total PCBs	µg/L	0.026	0.095	ND
11/3/2014	MdRU-C2 Under-represented located north of Abbot Kinney Boulevard and Woodlawn Avenue	Chlordane	µg/L	0.012	0.095	ND
		Aroclor 1016	µg/L	0.013	0.095	ND
		Aroclor 1221	µg/L	0.024	0.095	ND
		Aroclor 1232	µg/L	0.015	0.095	ND
		Aroclor 1242	µg/L	0.026	0.095	ND
		Aroclor 1248	µg/L	0.017	0.095	ND
		Aroclor 1254	µg/L	0.023	0.095	ND
		Aroclor 1260	µg/L	0.013	0.095	ND
		Aroclor 1262	µg/L	0.015	0.095	ND
		Total PCBs	µg/L	0.026	0.095	ND

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Wet-Weather Monitoring
2014-2015

WET WEATHER MONITORING SUMMARY REPORT EVENT 1						
Sample Date	**Station Information**	**Organics**	**Units**	**MDL**	**Reporting Limit**	**Concentration**

Notes:
Detections are indicated in **bold**
MDL - Method Detection Limit
ND - Analyte not detected at or above the method detection limit
Reporting Limit - Lowest concentration for which quantitative data are reported
µg/L - microgram per liter

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Wet-Weather Monitoring
2014-2015

WET WEATHER MONITORING SUMMARY REPORT EVENT 2						
Sample Date	**Station Information**	**Organics**	**Units**	**MDL**	**Reporting Limit**	**Concentration**
12/4/2014	MdR-3 Washington Boulevard and Thatcher Avenue	Chlordane	µg/L	0.012	0.096	ND
		Aroclor 1016	µg/L	0.013	0.096	ND
		Aroclor 1221	µg/L	0.024	0.096	ND
		Aroclor 1232	µg/L	0.015	0.096	ND
		Aroclor 1242	µg/L	0.026	0.096	ND
		Aroclor 1248	µg/L	0.017	0.096	ND
		Aroclor 1254	µg/L	0.023	0.096	ND
		Aroclor 1260	µg/L	0.013	0.096	ND
		Aroclor 1262	µg/L	0.015	0.096	ND
		Total PCBs	µg/L	0.026	0.096	ND
12/4/2014	MdR-4 Oxford Flood Control Basin	Chlordane	µg/L	0.012	0.096	ND
		Aroclor 1016	µg/L	0.013	0.096	ND
		Aroclor 1221	µg/L	0.024	0.096	ND
		Aroclor 1232	µg/L	0.015	0.096	ND
		Aroclor 1242	µg/L	0.026	0.096	ND
		Aroclor 1248	µg/L	0.017	0.096	ND
		Aroclor 1254	µg/L	0.023	0.096	ND
		Aroclor 1260	µg/L	0.013	0.096	ND
		Aroclor 1262	µg/L	0.015	0.096	ND
		Total PCBs	µg/L	0.026	0.096	ND
12/4/2014	MdR-5 Boone-Olive Pump Station	Chlordane	µg/L	0.012	0.097	ND
		Aroclor 1016	µg/L	0.013	0.097	ND
		Aroclor 1221	µg/L	0.025	0.097	ND
		Aroclor 1232	µg/L	0.015	0.097	ND
		Aroclor 1242	µg/L	0.026	0.097	ND
		Aroclor 1248	µg/L	0.017	0.097	ND
		Aroclor 1254	µg/L	0.023	0.097	ND
		Aroclor 1260	µg/L	0.013	0.097	ND
		Aroclor 1262	µg/L	0.015	0.097	ND
		Total PCBs	µg/L	0.026	0.097	ND
12/4/2014	MdRU-C1 Under-represented located north of Bali and Admiralty Ways	Chlordane	µg/L	0.012	0.097	ND
		Aroclor 1016	µg/L	0.013	0.097	ND
		Aroclor 1221	µg/L	0.025	0.097	ND
		Aroclor 1232	µg/L	0.015	0.097	ND
		Aroclor 1242	µg/L	0.026	0.097	ND
		Aroclor 1248	µg/L	0.017	0.097	ND
		Aroclor 1254	µg/L	0.023	0.097	ND
		Aroclor 1260	µg/L	0.013	0.097	ND
		Aroclor 1262	µg/L	0.015	0.097	ND
		Total PCBs	µg/L	0.026	0.097	ND
12/4/2014	MdRU-C2 Under-represented located north of Abbot Kinney Boulevard and Woodlawn Avenue	Chlordane	µg/L	0.012	0.095	ND
		Aroclor 1016	µg/L	0.013	0.095	ND
		Aroclor 1221	µg/L	0.024	0.095	ND
		Aroclor 1232	µg/L	0.015	0.095	ND
		Aroclor 1242	µg/L	0.026	0.095	ND
		Aroclor 1248	µg/L	0.017	0.095	ND
		Aroclor 1254	µg/L	0.023	0.095	ND
		Aroclor 1260	µg/L	0.013	0.095	ND
		Aroclor 1262	µg/L	0.015	0.095	ND
		Total PCBs	µg/L	0.026	0.095	ND

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Wet-Weather Monitoring
2014-2015

WET WEATHER MONITORING SUMMARY REPORT EVENT 2						
Sample Date	**Station Information**	**Organics**	**Units**	**MDL**	**Reporting Limit**	**Concentration**

Notes:
Detections are indicated in **bold**
MDL - Method Detection Limit
ND - Analyte not detected at or above the method detection limit
Reporting Limit - Lowest concentration for which quantitative data are reported
µg/L - microgram per liter

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Wet-Weather Monitoring
2014-2015

WET WEATHER MONITORING SUMMARY REPORT EVENT 3						
Sample Date	**Station Information**	**Organics**	**Units**	**MDL**	**Reporting Limit**	**Concentration**
12/13/2014	MdR-3 Washington Boulevard and Thatcher Avenue	Chlordane	µg/L	0.012	0.096	ND
		Aroclor 1016	µg/L	0.013	0.096	ND
		Aroclor 1221	µg/L	0.024	0.096	ND
		Aroclor 1232	µg/L	0.015	0.096	ND
		Aroclor 1242	µg/L	0.026	0.096	ND
		Aroclor 1248	µg/L	0.017	0.096	ND
		Aroclor 1254	µg/L	0.023	0.096	ND
		Aroclor 1260	µg/L	0.013	0.096	ND
		Aroclor 1262	µg/L	0.015	0.096	ND
		Total PCBs	µg/L	0.026	0.096	ND
12/13/2014	MdR-4 Oxford Flood Control Basin	Chlordane	µg/L	0.012	0.095	ND
		Aroclor 1016	µg/L	0.013	0.095	ND
		Aroclor 1221	µg/L	0.024	0.095	ND
		Aroclor 1232	µg/L	0.015	0.095	ND
		Aroclor 1242	µg/L	0.026	0.095	ND
		Aroclor 1248	µg/L	0.017	0.095	ND
		Aroclor 1254	µg/L	0.023	0.095	ND
		Aroclor 1260	µg/L	0.013	0.095	ND
		Aroclor 1262	µg/L	0.015	0.095	ND
		Total PCBs	µg/L	0.026	0.095	ND
12/13/2014	MdR-5 Boone-Olive Pump Station	Chlordane	µg/L	0.012	0.097	ND
		Aroclor 1016	µg/L	0.013	0.097	ND
		Aroclor 1221	µg/L	0.025	0.097	ND
		Aroclor 1232	µg/L	0.015	0.097	ND
		Aroclor 1242	µg/L	0.026	0.097	ND
		Aroclor 1248	µg/L	0.017	0.097	ND
		Aroclor 1254	µg/L	0.023	0.097	ND
		Aroclor 1260	µg/L	0.013	0.097	ND
		Aroclor 1262	µg/L	0.015	0.097	ND
		Total PCBs	µg/L	0.026	0.097	ND
12/13/2014	MdRU-C1 Under-represented located north of Bali and Admiralty Ways	Chlordane	µg/L	0.012	0.096	ND
		Aroclor 1016	µg/L	0.013	0.096	ND
		Aroclor 1221	µg/L	0.024	0.096	ND
		Aroclor 1232	µg/L	0.015	0.096	ND
		Aroclor 1242	µg/L	0.026	0.096	ND
		Aroclor 1248	µg/L	0.017	0.096	ND
		Aroclor 1254	µg/L	0.023	0.096	ND
		Aroclor 1260	µg/L	0.013	0.096	ND
		Aroclor 1262	µg/L	0.015	0.096	ND
		Total PCBs	µg/L	0.026	0.096	ND
12/13/2014	MdRU-C2 Under-represented located north of Abbot Kinney Boulevard and Woodlawn Avenue	Chlordane	µg/L	0.012	0.097	ND
		Aroclor 1016	µg/L	0.013	0.097	ND
		Aroclor 1221	µg/L	0.025	0.097	ND
		Aroclor 1232	µg/L	0.015	0.097	ND
		Aroclor 1242	µg/L	0.026	0.097	ND
		Aroclor 1248	µg/L	0.017	0.097	ND
		Aroclor 1254	µg/L	0.023	0.097	ND
		Aroclor 1260	µg/L	0.013	0.097	ND
		Aroclor 1262	µg/L	0.015	0.097	ND
		Total PCBs	µg/L	0.026	0.097	ND

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Wet-Weather Monitoring
2014-2015

WET WEATHER MONITORING SUMMARY REPORT EVENT 3						
Sample Date	**Station Information**	**Organics**	**Units**	**MDL**	**Reporting Limit**	**Concentration**

Notes:
Detections are indicated in **bold**
MDL - Method Detection Limit
ND - Analyte not detected at or above the method detection limit
Reporting Limit - Lowest concentration for which quantitative data are reported
µg/L - microgram per liter

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Wet-Weather Monitoring
2014-2015

WET WEATHER MONITORING SUMMARY REPORT EVENT 4						
Sample Date	**Station Information**	**Organics**	**Units**	**MDL**	**Reporting Limit**	**Concentration**
1/27/2015	MdR-3 Washington Boulevard and Thatcher Avenue	Chlordane	µg/L	0.012	0.096	ND
		Aroclor 1016	µg/L	0.013	0.096	ND
		Aroclor 1221	µg/L	0.024	0.096	ND
		Aroclor 1232	µg/L	0.015	0.096	ND
		Aroclor 1242	µg/L	0.026	0.096	ND
		Aroclor 1248	µg/L	0.017	0.096	ND
		Aroclor 1254	µg/L	0.023	0.096	ND
		Aroclor 1260	µg/L	0.013	0.096	ND
		Aroclor 1262	µg/L	0.015	0.096	ND
		Total PCBs	µg/L	0.026	0.096	ND
1/27/2015	MdR-4 Oxford Flood Control Basin	Chlordane	µg/L	0.012	0.098	ND
		Aroclor 1016	µg/L	0.013	0.098	ND
		Aroclor 1221	µg/L	0.025	0.098	ND
		Aroclor 1232	µg/L	0.015	0.098	ND
		Aroclor 1242	µg/L	0.027	0.098	ND
		Aroclor 1248	µg/L	0.017	0.098	ND
		Aroclor 1254	µg/L	0.023	0.098	ND
		Aroclor 1260	µg/L	0.013	0.098	ND
		Aroclor 1262	µg/L	0.015	0.098	ND
		Total PCBs	µg/L	0.027	0.098	ND
1/27/2015	MdR-5 Boone-Olive Pump Station	Chlordane	µg/L	0.012	0.098	ND
		Aroclor 1016	µg/L	0.013	0.098	ND
		Aroclor 1221	µg/L	0.025	0.098	ND
		Aroclor 1232	µg/L	0.015	0.098	ND
		Aroclor 1242	µg/L	0.027	0.098	ND
		Aroclor 1248	µg/L	0.017	0.098	ND
		Aroclor 1254	µg/L	0.023	0.098	ND
		Aroclor 1260	µg/L	0.013	0.098	ND
		Aroclor 1262	µg/L	0.015	0.098	ND
		Total PCBs	µg/L	0.027	0.098	ND
1/27/2015	MdRU-C1 Under-represented located north of Bali and Admiralty Ways	Chlordane	µg/L	0.012	0.097	ND
		Aroclor 1016	µg/L	0.013	0.097	ND
		Aroclor 1221	µg/L	0.025	0.097	ND
		Aroclor 1232	µg/L	0.015	0.097	ND
		Aroclor 1242	µg/L	0.026	0.097	ND
		Aroclor 1248	µg/L	0.017	0.097	ND
		Aroclor 1254	µg/L	0.023	0.097	ND
		Aroclor 1260	µg/L	0.013	0.097	ND
		Aroclor 1262	µg/L	0.015	0.097	ND
		Total PCBs	µg/L	0.026	0.097	ND
1/27/2015	MdRU-C2 Under-represented located north of Abbot Kinney Boulevard and Woodlawn Avenue	Chlordane	µg/L	0.012	0.097	ND
		Aroclor 1016	µg/L	0.013	0.097	ND
		Aroclor 1221	µg/L	0.025	0.097	ND
		Aroclor 1232	µg/L	0.015	0.097	ND
		Aroclor 1242	µg/L	0.026	0.097	ND
		Aroclor 1248	µg/L	0.017	0.097	ND
		Aroclor 1254	µg/L	0.023	0.097	ND
		Aroclor 1260	µg/L	0.013	0.097	ND
		Aroclor 1262	µg/L	0.015	0.097	ND
		Total PCBs	µg/L	0.026	0.097	ND

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Wet-Weather Monitoring
2014-2015

WET WEATHER MONITORING SUMMARY REPORT EVENT 4						
Sample Date	**Station Information**	**Organics**	**Units**	**MDL**	**Reporting Limit**	**Concentration**

Notes:
Detections are indicated in **bold**
MDL - Method Detection Limit
ND - Analyte not detected at or above the method detection limit
Reporting Limit - Lowest concentration for which quantitative data are reported
µg/L - microgram per liter

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Wet-Weather Monitoring
2014-2015

WET WEATHER MONITORING SUMMARY REPORT EVENT 5						
Sample Date	**Station Information**	**Organics**	**Units**	**MDL**	**Reporting Limit**	**Concentration**
2/23/2015	MdR-3 Washington Boulevard and Thatcher Avenue	Chlordane	µg/L	0.012	0.096	ND
		Aroclor 1016	µg/L	0.013	0.096	ND
		Aroclor 1221	µg/L	0.024	0.096	ND
		Aroclor 1232	µg/L	0.015	0.096	ND
		Aroclor 1242	µg/L	0.026	0.096	ND
		Aroclor 1248	µg/L	0.017	0.096	ND
		Aroclor 1254	µg/L	0.023	0.096	ND
		Aroclor 1260	µg/L	0.013	0.096	ND
		Aroclor 1262	µg/L	0.015	0.096	ND
		Total PCBs	µg/L	0.026	0.096	ND
2/23/2015	MdR-4 Oxford Flood Control Basin	Chlordane	µg/L	0.012	0.095	ND
		Aroclor 1016	µg/L	0.013	0.095	ND
		Aroclor 1221	µg/L	0.024	0.095	ND
		Aroclor 1232	µg/L	0.015	0.095	ND
		Aroclor 1242	µg/L	0.026	0.095	ND
		Aroclor 1248	µg/L	0.017	0.095	ND
		Aroclor 1254	µg/L	0.023	0.095	ND
		Aroclor 1260	µg/L	0.013	0.095	ND
		Aroclor 1262	µg/L	0.015	0.095	ND
		Total PCBs	µg/L	0.026	0.095	ND
2/23/2015	MdR-5 Boone-Olive Pump Station	Chlordane	µg/L	0.012	0.096	ND
		Aroclor 1016	µg/L	0.013	0.096	ND
		Aroclor 1221	µg/L	0.024	0.096	ND
		Aroclor 1232	µg/L	0.015	0.096	ND
		Aroclor 1242	µg/L	0.026	0.096	ND
		Aroclor 1248	µg/L	0.017	0.096	ND
		Aroclor 1254	µg/L	0.023	0.096	ND
		Aroclor 1260	µg/L	0.013	0.096	ND
		Aroclor 1262	µg/L	0.015	0.096	ND
		Total PCBs	µg/L	0.026	0.096	ND
2/23/2015	MdRU-C1 Under-represented located north of Bali and Admiralty Ways	Chlordane	µg/L	0.012	0.096	ND
		Aroclor 1016	µg/L	0.013	0.096	ND
		Aroclor 1221	µg/L	0.024	0.096	ND
		Aroclor 1232	µg/L	0.015	0.096	ND
		Aroclor 1242	µg/L	0.026	0.096	ND
		Aroclor 1248	µg/L	0.017	0.096	ND
		Aroclor 1254	µg/L	0.023	0.096	ND
		Aroclor 1260	µg/L	0.013	0.096	ND
		Aroclor 1262	µg/L	0.015	0.096	ND
		Total PCBs	µg/L	0.026	0.096	ND
2/23/2015	MdRU-C2 Under-represented located north of Abbot Kinney Boulevard and Woodlawn Avenue	Chlordane	µg/L	0.012	0.095	ND
		Aroclor 1016	µg/L	0.013	0.095	ND
		Aroclor 1221	µg/L	0.024	0.095	ND
		Aroclor 1232	µg/L	0.015	0.095	ND
		Aroclor 1242	µg/L	0.026	0.095	ND
		Aroclor 1248	µg/L	0.017	0.095	ND
		Aroclor 1254	µg/L	0.023	0.095	ND
		Aroclor 1260	µg/L	0.013	0.095	ND
		Aroclor 1262	µg/L	0.015	0.095	ND
		Total PCBs	µg/L	0.026	0.095	ND

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Wet-Weather Monitoring
2014-2015

WET WEATHER MONITORING SUMMARY REPORT EVENT 5						
Sample Date	**Station Information**	**Organics**	**Units**	**MDL**	**Reporting Limit**	**Concentration**

Notes:
Detections are indicated in **bold**
MDL - Method Detection Limit
ND - Analyte not detected at or above the method detection limit
Reporting Limit - Lowest concentration for which quantitative data are reported
µg/L - microgram per liter

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Wet-Weather Monitoring
2014-2015

WET WEATHER MONITORING SUMMARY REPORT EVENT 6						
Sample Date	**Station Information**	**Organics**	**Units**	**MDL**	**Reporting Limit**	**Concentration**
3/3/2015	MdR-3 Washington Boulevard and Thatcher Avenue	Chlordane	µg/L	0.012	0.099	ND
		Aroclor 1016	µg/L	0.013	0.099	ND
		Aroclor 1221	µg/L	0.025	0.099	ND
		Aroclor 1232	µg/L	0.015	0.099	ND
		Aroclor 1242	µg/L	0.027	0.099	ND
		Aroclor 1248	µg/L	0.018	0.099	ND
		Aroclor 1254	µg/L	0.024	0.099	ND
		Aroclor 1260	µg/L	0.013	0.099	ND
		Aroclor 1262	µg/L	0.015	0.099	ND
		Total PCBs	µg/L	0.027	0.099	ND
3/3/2015	MdR-4 Oxford Flood Control Basin	Chlordane	µg/L	0.012	0.096	ND
		Aroclor 1016	µg/L	0.013	0.096	ND
		Aroclor 1221	µg/L	0.024	0.096	ND
		Aroclor 1232	µg/L	0.015	0.096	ND
		Aroclor 1242	µg/L	0.026	0.096	ND
		Aroclor 1248	µg/L	0.017	0.096	ND
		Aroclor 1254	µg/L	0.023	0.096	ND
		Aroclor 1260	µg/L	0.013	0.096	ND
		Aroclor 1262	µg/L	0.015	0.096	ND
		Total PCBs	µg/L	0.026	0.096	ND
3/3/2015	MdR-5 Boone-Olive Pump Station	Chlordane	µg/L	0.012	0.095	ND
		Aroclor 1016	µg/L	0.013	0.095	ND
		Aroclor 1221	µg/L	0.024	0.095	ND
		Aroclor 1232	µg/L	0.015	0.095	ND
		Aroclor 1242	µg/L	0.026	0.095	ND
		Aroclor 1248	µg/L	0.017	0.095	ND
		Aroclor 1254	µg/L	0.023	0.095	ND
		Aroclor 1260	µg/L	0.013	0.095	ND
		Aroclor 1262	µg/L	0.015	0.095	ND
		Total PCBs	µg/L	0.026	0.095	ND
3/3/2015	MdRU-C1 Under-represented located north of Bali and Admiralty Ways	Chlordane	µg/L	0.012	0.096	ND
		Aroclor 1016	µg/L	0.013	0.096	ND
		Aroclor 1221	µg/L	0.024	0.096	ND
		Aroclor 1232	µg/L	0.015	0.096	ND
		Aroclor 1242	µg/L	0.026	0.096	ND
		Aroclor 1248	µg/L	0.017	0.096	ND
		Aroclor 1254	µg/L	0.023	0.096	ND
		Aroclor 1260	µg/L	0.013	0.096	ND
		Aroclor 1262	µg/L	0.015	0.096	ND
		Total PCBs	µg/L	0.026	0.096	ND
3/3/2015	MdRU-C2 Under-represented located north of Abbot Kinney Boulevard and Woodlawn Avenue	Chlordane	µg/L	0.012	0.098	ND
		Aroclor 1016	µg/L	0.013	0.098	ND
		Aroclor 1221	µg/L	0.025	0.098	ND
		Aroclor 1232	µg/L	0.015	0.098	ND
		Aroclor 1242	µg/L	0.027	0.098	ND
		Aroclor 1248	µg/L	0.017	0.098	ND
		Aroclor 1254	µg/L	0.023	0.098	ND
		Aroclor 1260	µg/L	0.013	0.098	ND
		Aroclor 1262	µg/L	0.015	0.098	ND
		Total PCBs	µg/L	0.027	0.098	ND

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Wet-Weather Monitoring
2014-2015

WET WEATHER MONITORING SUMMARY REPORT EVENT 6						
Sample Date	**Station Information**	**Organics**	**Units**	**MDL**	**Reporting Limit**	**Concentration**

Notes:
Detections are indicated in **bold**
MDL - Method Detection Limit
ND - Analyte not detected at or above the method detection limit
Reporting Limit - Lowest concentration for which quantitative data are reported
µg/L - microgram per liter

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Wet-Weather Monitoring
2014-2015

WET WEATHER MONITORING SUMMARY REPORT EVENT 7						
Sample Date	**Station Information**	**Organics**	**Units**	**MDL**	**Reporting Limit**	**Concentration**
4/8/2015	MdR-3 Washington Boulevard and Thatcher Avenue	Chlordane	µg/L	0.013	0.10	ND
		Aroclor 1016	µg/L	0.013	0.10	ND
		Aroclor 1221	µg/L	0.025	0.10	ND
		Aroclor 1232	µg/L	0.015	0.10	ND
		Aroclor 1242	µg/L	0.027	0.10	ND
		Aroclor 1248	µg/L	0.018	0.10	ND
		Aroclor 1254	µg/L	0.024	0.10	ND
		Aroclor 1260	µg/L	0.014	0.10	ND
		Aroclor 1262	µg/L	0.016	0.10	ND
		Total PCBs	µg/L	0.027	0.10	ND
4/8/2015	MdR-4 Oxford Flood Control Basin	Chlordane	µg/L	0.013	0.10	ND
		Aroclor 1016	µg/L	0.013	0.10	ND
		Aroclor 1221	µg/L	0.025	0.10	ND
		Aroclor 1232	µg/L	0.016	0.10	ND
		Aroclor 1242	µg/L	0.027	0.10	ND
		Aroclor 1248	µg/L	0.018	0.10	ND
		Aroclor 1254	µg/L	0.024	0.10	ND
		Aroclor 1260	µg/L	0.014	0.10	ND
		Aroclor 1262	µg/L	0.016	0.10	ND
		Total PCBs	µg/L	0.027	0.10	ND
4/8/2015	MdR-5 Boone-Olive Pump Station	Chlordane	µg/L	0.013	0.10	ND
		Aroclor 1016	µg/L	0.013	0.10	ND
		Aroclor 1221	µg/L	0.025	0.10	ND
		Aroclor 1232	µg/L	0.015	0.10	ND
		Aroclor 1242	µg/L	0.027	0.10	ND
		Aroclor 1248	µg/L	0.018	0.10	ND
		Aroclor 1254	µg/L	0.024	0.10	ND
		Aroclor 1260	µg/L	0.014	0.10	ND
		Aroclor 1262	µg/L	0.016	0.10	ND
		Total PCBs	µg/L	0.027	0.10	ND
4/8/2015	MdRU-C1 Under-represented located north of Bali and Admiralty Ways	Chlordane	µg/L	0.013	0.10	ND
		Aroclor 1016	µg/L	0.013	0.10	ND
		Aroclor 1221	µg/L	0.025	0.10	ND
		Aroclor 1232	µg/L	0.015	0.10	ND
		Aroclor 1242	µg/L	0.027	0.10	ND
		Aroclor 1248	µg/L	0.018	0.10	ND
		Aroclor 1254	µg/L	0.024	0.10	ND
		Aroclor 1260	µg/L	0.014	0.10	ND
		Aroclor 1262	µg/L	0.016	0.10	ND
		Total PCBs	µg/L	0.027	0.10	ND
4/8/2015	MdRU-C2 Under-represented located north of Abbot Kinney Boulevard and Woodlawn Avenue	Chlordane	µg/L	0.013	0.10	ND
		Aroclor 1016	µg/L	0.013	0.10	ND
		Aroclor 1221	µg/L	0.025	0.10	ND
		Aroclor 1232	µg/L	0.015	0.10	ND
		Aroclor 1242	µg/L	0.027	0.10	ND
		Aroclor 1248	µg/L	0.018	0.10	ND
		Aroclor 1254	µg/L	0.024	0.10	ND
		Aroclor 1260	µg/L	0.014	0.10	ND
		Aroclor 1262	µg/L	0.016	0.10	ND
		Total PCBs	µg/L	0.027	0.10	ND

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Wet-Weather Monitoring
2014-2015

WET WEATHER MONITORING SUMMARY REPORT EVENT 7						
Sample Date	**Station Information**	**Organics**	**Units**	**MDL**	**Reporting Limit**	**Concentration**

Notes:
Detections are indicated in **bold**
MDL - Method Detection Limit
ND - Analyte not detected at or above the method detection limit
Reporting Limit - Lowest concentration for which quantitative data are reported
µg/L - microgram per liter

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Wet-Weather Monitoring
2014-2015

WET WEATHER MONITORING SUMMARY REPORT EVENT 8						
Sample Date	**Station Information**	**Organics**	**Units**	**MDL**	**Reporting Limit**	**Concentration**
5/8/2015	MdR-3 Washington Boulevard and Thatcher Avenue	Chlordane	µg/L	0.012	0.096	ND
		Aroclor 1016	µg/L	0.013	0.096	ND
		Aroclor 1221	µg/L	0.024	0.096	ND
		Aroclor 1232	µg/L	0.015	0.096	ND
		Aroclor 1242	µg/L	0.026	0.096	ND
		Aroclor 1248	µg/L	0.017	0.096	ND
		Aroclor 1254	µg/L	0.023	0.096	ND
		Aroclor 1260	µg/L	0.013	0.096	ND
		Aroclor 1262	µg/L	0.015	0.096	ND
		Total PCBs	µg/L	0.026	0.096	ND
5/8/2015	MdR-4 Oxford Flood Control Basin	Chlordane	µg/L	0.012	0.097	ND
		Aroclor 1016	µg/L	0.013	0.097	ND
		Aroclor 1221	µg/L	0.025	0.097	ND
		Aroclor 1232	µg/L	0.015	0.097	ND
		Aroclor 1242	µg/L	0.026	0.097	ND
		Aroclor 1248	µg/L	0.017	0.097	ND
		Aroclor 1254	µg/L	0.023	0.097	ND
		Aroclor 1260	µg/L	0.013	0.097	ND
		Aroclor 1262	µg/L	0.015	0.097	ND
		Total PCBs	µg/L	0.026	0.097	ND
5/8/2015	MdR-5 Boone-Olive Pump Station	Chlordane	µg/L	0.012	0.098	ND
		Aroclor 1016	µg/L	0.013	0.098	ND
		Aroclor 1221	µg/L	0.025	0.098	ND
		Aroclor 1232	µg/L	0.015	0.098	ND
		Aroclor 1242	µg/L	0.027	0.098	ND
		Aroclor 1248	µg/L	0.017	0.098	ND
		Aroclor 1254	µg/L	0.023	0.098	ND
		Aroclor 1260	µg/L	0.013	0.098	ND
		Aroclor 1262	µg/L	0.015	0.098	ND
		Total PCBs	µg/L	0.027	0.098	ND
5/8/2015	MdRU-C1 Under-represented located north of Bali and Admiralty Ways	Chlordane	µg/L	0.012	0.097	ND
		Aroclor 1016	µg/L	0.013	0.097	ND
		Aroclor 1221	µg/L	0.025	0.097	ND
		Aroclor 1232	µg/L	0.015	0.097	ND
		Aroclor 1242	µg/L	0.026	0.097	ND
		Aroclor 1248	µg/L	0.017	0.097	ND
		Aroclor 1254	µg/L	0.023	0.097	ND
		Aroclor 1260	µg/L	0.013	0.097	ND
		Aroclor 1262	µg/L	0.015	0.097	ND
		Total PCBs	µg/L	0.026	0.097	ND
5/8/2015	MdRU-C2 Under-represented located north of Abbot Kinney Boulevard and Woodlawn Avenue	Chlordane	µg/L	0.012	0.096	ND
		Aroclor 1016	µg/L	0.013	0.096	ND
		Aroclor 1221	µg/L	0.024	0.096	ND
		Aroclor 1232	µg/L	0.015	0.096	ND
		Aroclor 1242	µg/L	0.026	0.096	ND
		Aroclor 1248	µg/L	0.017	0.096	ND
		Aroclor 1254	µg/L	0.023	0.096	ND
		Aroclor 1260	µg/L	0.013	0.096	ND
		Aroclor 1262	µg/L	0.015	0.096	ND
		Total PCBs	µg/L	0.026	0.096	ND

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Wet-Weather Monitoring
2014-2015

WET WEATHER MONITORING SUMMARY REPORT EVENT 8						
Sample Date	**Station Information**	**Organics**	**Units**	**MDL**	**Reporting Limit**	**Concentration**

Notes:
Detections are indicated in **bold**
MDL - Method Detection Limit
ND - Analyte not detected at or above the method detection limit
Reporting Limit - Lowest concentration for which quantitative data are reported
µg/L - microgram per liter

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Wet-Weather Monitoring
2014-2015

WET WEATHER MONITORING SUMMARY REPORT EVENT 9						
Sample Date	**Station Information**	**Organics**	**Units**	**MDL**	**Reporting Limit**	**Concentration**
5/16/2015	MdR-3 Washington Boulevard and Thatcher Avenue	Chlordane	µg/L	0.012	0.097	ND
		Aroclor 1016	µg/L	0.013	0.097	ND
		Aroclor 1221	µg/L	0.025	0.097	ND
		Aroclor 1232	µg/L	0.015	0.097	ND
		Aroclor 1242	µg/L	0.026	0.097	ND
		Aroclor 1248	µg/L	0.017	0.097	ND
		Aroclor 1254	µg/L	0.023	0.097	ND
		Aroclor 1260	µg/L	0.013	0.097	ND
		Aroclor 1262	µg/L	0.015	0.097	ND
		Total PCBs	µg/L	0.026	0.097	ND
5/16/2015	MdR-4 Oxford Flood Control Basin	Chlordane	µg/L	0.012	0.097	ND
		Aroclor 1016	µg/L	0.013	0.097	ND
		Aroclor 1221	µg/L	0.025	0.097	ND
		Aroclor 1232	µg/L	0.015	0.097	ND
		Aroclor 1242	µg/L	0.026	0.097	ND
		Aroclor 1248	µg/L	0.017	0.097	ND
		Aroclor 1254	µg/L	0.023	0.097	ND
		Aroclor 1260	µg/L	0.013	0.097	ND
		Aroclor 1262	µg/L	0.015	0.097	ND
		Total PCBs	µg/L	0.026	0.097	ND
5/16/2015	MdR-5 Boone-Olive Pump Station	Chlordane	µg/L	0.012	0.097	ND
		Aroclor 1016	µg/L	0.013	0.097	ND
		Aroclor 1221	µg/L	0.025	0.097	ND
		Aroclor 1232	µg/L	0.015	0.097	ND
		Aroclor 1242	µg/L	0.026	0.097	ND
		Aroclor 1248	µg/L	0.017	0.097	ND
		Aroclor 1254	µg/L	0.023	0.097	ND
		Aroclor 1260	µg/L	0.013	0.097	ND
		Aroclor 1262	µg/L	0.015	0.097	ND
		Total PCBs	µg/L	0.026	0.097	ND
5/16/2015	MdRU-C1 Under-represented located north of Bali and Admiralty Ways	Chlordane	µg/L	0.012	0.097	ND
		Aroclor 1016	µg/L	0.013	0.097	ND
		Aroclor 1221	µg/L	0.025	0.097	ND
		Aroclor 1232	µg/L	0.015	0.097	ND
		Aroclor 1242	µg/L	0.026	0.097	ND
		Aroclor 1248	µg/L	0.017	0.097	ND
		Aroclor 1254	µg/L	0.023	0.097	ND
		Aroclor 1260	µg/L	0.013	0.097	ND
		Aroclor 1262	µg/L	0.015	0.097	ND
		Total PCBs	µg/L	0.026	0.097	ND
5/16/2015	MdRU-C2 Under-represented located north of Abbot Kinney Boulevard and Woodlawn Avenue	Chlordane	µg/L	0.012	0.098	ND
		Aroclor 1016	µg/L	0.013	0.098	ND
		Aroclor 1221	µg/L	0.025	0.098	ND
		Aroclor 1232	µg/L	0.015	0.098	ND
		Aroclor 1242	µg/L	0.027	0.098	ND
		Aroclor 1248	µg/L	0.017	0.098	ND
		Aroclor 1254	µg/L	0.023	0.098	ND
		Aroclor 1260	µg/L	0.013	0.098	ND
		Aroclor 1262	µg/L	0.015	0.098	ND
		Total PCBs	µg/L	0.027	0.098	ND

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Wet-Weather Monitoring
2014-2015

WET WEATHER MONITORING SUMMARY REPORT EVENT 9						
Sample Date	**Station Information**	**Organics**	**Units**	**MDL**	**Reporting Limit**	**Concentration**

Notes:
Detections are indicated in **bold**
MDL - Method Detection Limit
ND - Analyte not detected at or above the method detection limit
Reporting Limit - Lowest concentration for which quantitative data are reported
µg/L - microgram per liter

Storm-borne Sediment Quality Data

This page intentionally left blank.

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Wet-Weather Monitoring - Storm-Borne Sediment
2014 - 2015

SUMMARY REPORT
Collected Sample Amounts, Storm Flow, and Composite Sample Amounts

Component	Station Information	Storm Event 1	Storm Event 2	Storm Event 3	Storm Event 4	Storm Event 5	Storm Event 6	Storm Event 7	Storm Event 8	Storm Event 9	Storm Season Total
Storm Event Data	Start Date	10/31/2014	12/2/2014	12/12/2014	1/26/2015	2/22/2015	3/1/2015	4/7/2015	5/7/2015	5/14/2015	NA
	End Date	11/4/2014	12/6/2014	12/15/2014	1/29/2015	2/25/2015	3/5/2015	4/10/2015	5/11/2015	5/17/2015	NA
	Rain Intensity	0.055	0.032	0.068	0.026	0.039	0.011	0.050	0.021	0.010	NA
	Rainfall	0.44	1.33	1.49	0.13	0.27	0.49	0.10	0.21	0.22	4.68
Storm-borne Sediment Sample Collected, (grams)	MdRU-C1	48	45	143	24	43	45	12	15	22	397
	MdRU-C2	71	54	183	No Sample	54	51	20	18	13	464
	MdR-3	28	57	100	37	19	56	65	74	41	477
	MdR-4	70	54	119	66	100	87	66	106	167	835
	MdR-5	166	60	121	12	91	70	150	108	25	803
	Total	383	270	666	139	307	309	313	321	268	2,976
Storm Flow Volume (cubic feet)	MdRU-C1	19	370,320	37,302	68,607	91,748	163,074	37,900	114,508	66,592	950,070
	MdRU-C2	17,606	43,790	215,765	3,143	85,716	29,648	1,872	1,012	12,234	410,786
	MdR-3	161,076	927,367	646,742	43,488	225,402	375,360	58,573	38,456	155,205	2,631,669
	MdR-4	88,619	200,375	271,678	No Flow	98,224	135,185	No Flow	No Flow	224,539	1,018,620
	MdR-5	70,639	231,524	289,418	No Flow	623,808	466,542	161,720	No Flow	794,763	2,638,414
	Total	337,959	1,773,376	1,460,905	115,238	1,124,898	1,169,809	260,065	153,976	1,253,333	7,649,559
Storm Flow Flow-Weighted Proportion	MdRU-C1	0.002%	39%	3.9%	7.2%	10%	17%	4.0%	12%	7.0%	100%
	MdRU-C2	4.3%	11%	53%	0.8%	21%	7.2%	0.5%	0.2%	3.0%	100%
	MdR-3	6.1%	35%	25%	1.7%	8.6%	14%	2.2%	1.5%	5.9%	100%
	MdR-4	8.7%	20%	27%	No Flow	10%	13%	No Flow	No Flow	22%	100%
	MdR-5	2.7%	9%	11%	No Flow	24%	18%	6.1%	No Flow	30%	100%
Storm-borne Sediment Composite, (grams)	MdRU-C1	0.002	45.0	4.5	8.3	11.1	19.8	4.6	13.9	8.1	115
	MdRU-C2	11.1	27.6	135.9	No Sample	54.0	18.7	1.2	0.6	7.7	257
	MdR-3	9.9	57.0	39.8	2.7	13.9	23.1	3.6	2.4	9.5	162
	MdR-4	23.9	54.0	73.2	No Flow	26.5	36.4	No Flow	No Flow	60.5	275
	MdR-5	2.2	7.3	9.1	No Flow	19.6	14.7	5.1	No Flow	25.0	83

Notes:
Rain Intensity - units are inches per hour
Rainfall - units are inches per storm event
Storm-borne Sediment Sample Collected - units are grams as measured in the field at the time of collection

This page intentionally left blank.

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Wet-Weather Monitoring - Storm-Borne Sediment
2014 - 2015

SUMMARY REPORT
Composite Sample of Nine Storm Events

Sample Date	Station Information	Metal	Units	MDL	Reporting Limit	Concentration
9/22/2015	MdR-3 Washington Boulevard and Thatcher Avenue Storm-borne Sediment	Copper	mg/kg	0.414	1.54	**286**
		Lead	mg/kg	0.405	1.54	**104**
		Zinc	mg/kg	0.546	3.07	**1,590**
		TOC	percent	0.051	0.15	**15**
		Percent Solids	percent	0.100	0.100	**33.9**
9/22/2015	MdR-4 Oxford Flood Control Basin Storm-borne Sediment	Copper	mg/kg	0.423	1.57	**608**
		Lead	mg/kg	0.413	1.57	**142**
		Zinc	mg/kg	0.557	3.14	**2,470**
		TOC	percent	0.054	0.16	**16**
		Percent Solids	percent	0.100	0.100	**32.2**
9/22/2015	MdR-4 - Duplicate Oxford Flood Control Basin Storm-borne Sediment	Copper	mg/kg	0.421	1.56	**622**
		Lead	mg/kg	0.411	1.56	**140**
		Zinc	mg/kg	0.554	3.12	**2,480**
		TOC	percent	0.054	0.16	**14**
		Percent Solids	percent	0.100	0.100	**32.2**
9/22/2015	MdR-5 Boone-Olive Pump Station Storm-borne Sediment	Copper	mg/kg	0.328	1.22	**215**
		Lead	mg/kg	0.320	1.22	**78.7**
		Zinc	mg/kg	0.432	2.43	**1,230**
		TOC	percent	0.043	0.12	**10**
		Percent Solids	percent	0.100	0.100	**40.5**
9/22/2015	MdRU-C1 Under-represented located north of Bali and Admiralty Ways Storm-borne Sediment	Copper	mg/kg	0.608	2.26	**299**
		Lead	mg/kg	0.594	2.26	**99.5**
		Zinc	mg/kg	0.802	4.51	**1,710**
		TOC	percent	0.082	0.23	**33**
		Percent Solids	percent	0.100	0.100	**21.3**
9/22/2015	MdRU-C2 Under-represented located north of Abbot Kinney Boulevard and Woodlawn Avenue Storm-borne Sediment	Copper	mg/kg	0.446	1.66	**162**
		Lead	mg/kg	0.436	1.66	**86.8**
		Zinc	mg/kg	0.588	3.31	**2,290**
		TOC	percent	0.059	0.17	**27**
		Percent Solids	percent	0.100	0.100	**29.3**

Notes:
Detections are indicated in **bold**
MDL - Method Detection Limit
Reporting Limit - lowest concentration for which quantitative data are reported
Sample Date is date of composite sample preparation
TOC - Total organic carbon
mg/kg - milligram per kilogram, dry weight basis

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Wet-Weather Monitoring - Storm-Borne Sediment
2014 - 2015

SUMMARY REPORT
Composite Sample of Nine Storm Events

Sample Date	Station Information	Chlordane Compound	Units	MDL	Reporting Limit	Concentration
9/22/2015	MdR-3 Washington Boulevard and Thatcher Avenue Storm-borne Sediment	cis-Chlordane	µg/kg	0.99	2.9	**45**
		trans-Chlordane	µg/kg	0.79	2.9	**13**
		cis-Nonachlor	µg/kg	0.75	2.9	ND
		trans-Nonachlor	µg/kg	0.63	2.9	**25**
		Oxychlordane	µg/kg	1.1	2.9	ND
		Total Chlordane	µg/kg	1.1	2.9	**83**
9/22/2015	MdR-4 Oxford Flood Control Basin Storm-borne Sediment	cis-Chlordane	µg/kg	1.0	3.1	**37**
		trans-Chlordane	µg/kg	0.83	3.1	**13**
		cis-Nonachlor	µg/kg	0.79	3.1	ND
		trans-Nonachlor	µg/kg	0.67	3.1	**17**
		Oxychlordane	µg/kg	1.1	3.1	ND
		Total Chlordane	µg/kg	1.1	3.1	**67**
9/22/2015	MdR-4 - Duplicate Oxford Flood Control Basin Storm-borne Sediment	cis-Chlordane	µg/kg	1.0	3.1	**48**
		trans-Chlordane	µg/kg	0.82	3.1	**10**
		cis-Nonachlor	µg/kg	0.78	3.1	ND
		trans-Nonachlor	µg/kg	0.66	3.1	**24**
		Oxychlordane	µg/kg	1.1	3.1	ND
		Total Chlordane	µg/kg	1.1	3.1	**82**
9/22/2015	MdR-5 Boone-Olive Pump Station Storm-borne Sediment	cis-Chlordane	µg/kg	0.83	2.5	**34**
		trans-Chlordane	µg/kg	0.66	2.5	**14**
		cis-Nonachlor	µg/kg	0.63	2.5	ND
		trans-Nonachlor	µg/kg	0.53	2.5	**15**
		Oxychlordane	µg/kg	0.90	2.5	ND
		Total Chlordane	µg/kg	0.90	2.5	**63**
9/22/2015	MdRU-C1 Under-represented located north of Bali and Admiralty Ways Storm-borne Sediment	cis-Chlordane	µg/kg	1.6	4.7	**46**
		trans-Chlordane	µg/kg	1.3	4.7	**13**
		cis-Nonachlor	µg/kg	1.2	4.7	ND
		trans-Nonachlor	µg/kg	1.0	4.7	**30**
		Oxychlordane	µg/kg	1.7	4.7	ND
		Total Chlordane	µg/kg	1.7	4.7	**89**
9/22/2015	MdRU-C2 Under-represented located north of Abbot Kinney Boulevard and Woodlawn Avenue Storm-borne Sediment	cis-Chlordane	µg/kg	2.3	6.8	**80**
		trans-Chlordane	µg/kg	1.8	6.8	**25**
		cis-Nonachlor	µg/kg	1.7	6.8	ND
		trans-Nonachlor	µg/kg	1.5	6.8	**54**
		Oxychlordane	µg/kg	2.5	6.8	ND
		Total Chlordane	µg/kg	2.5	6.8	**159**

Notes:
- cis-Chlordane = alpha-Chlordane
- Detections are indicated in **bold**
- MDL - Method Detection Limit
- ND - Analyte not detected at or above the method detection limit
- Reporting Limit - lowest concentration for which quantitative data are reported
- Sample Date is date of composite sample preparation
- trans-Chlordane = gamma-Chlordane
- ug/kg - microgram per kilogram, dry weight basis

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Wet-Weather Monitoring - Storm-Borne Sediment
2014 - 2015

SUMMARY REPORT
Composite Sample of Nine Storm Events

Sample Date	Station Information	PCB Congener (Co-eluting Congeners)	Units	MDL	Reporting Limit	Concentration
9/22/2015	MdR-3 Washington Boulevard and Thatcher Avenue Storm-borne Sediment	PCB 8 (PCB 5/8)	µg/kg	2.1	5.8	ND
		PCB 18	µg/kg	1.0	2.9	ND
		PCB 28	µg/kg	0.49	2.9	ND
		PCB 37	µg/kg	0.88	2.9	ND
		PCB 44	µg/kg	1.3	2.9	ND
		PCB 49	µg/kg	1.6	2.9	ND
		PCB 52	µg/kg	0.92	2.9	ND
		PCB 66	µg/kg	1.5	2.9	ND
		PCB 70	µg/kg	0.87	2.9	ND
		PCB 74	µg/kg	1.3	2.9	ND
		PCB 77	µg/kg	1.1	2.9	ND
		PCB 81	µg/kg	1.7	2.9	ND
		PCB 87	µg/kg	1.6	2.9	ND
		PCB 99	µg/kg	0.89	2.9	ND
		PCB 101	µg/kg	1.4	2.9	ND
		PCB 105	µg/kg	0.80	2.9	ND
		PCB 110	µg/kg	0.67	2.9	ND
		PCB 114	µg/kg	1.2	2.9	ND
		PCB 118	µg/kg	1.2	2.9	ND
		PCB 119	µg/kg	1.4	2.9	ND
		PCB 123	µg/kg	1.5	2.9	ND
		PCB 126	µg/kg	1.2	2.9	ND
		PCB 128	µg/kg	1.5	2.9	ND
		PCB 138 (PCB 138/158)	µg/kg	1.4	5.8	ND
		PCB 149	µg/kg	1.4	2.9	ND
		PCB 151	µg/kg	0.98	2.9	ND
		PCB 153 (PCB 132/153)	µg/kg	2.5	5.8	ND
		PCB 156	µg/kg	0.84	2.9	ND
		PCB 157	µg/kg	0.76	2.9	ND
		PCB 158 (see PCB 138)	NA	NA	NA	NA
		PCB 167	µg/kg	0.90	2.9	ND
		PCB 168	µg/kg	0.71	2.9	ND
		PCB 169	µg/kg	0.89	2.9	ND
		PCB 170	µg/kg	0.93	2.9	ND
		PCB 177	µg/kg	1.3	2.9	ND
		PCB 180	µg/kg	0.61	2.9	ND
		PCB 183	µg/kg	1.6	2.9	ND
		PCB 187	µg/kg	1.2	2.9	ND
		PCB 189	µg/kg	0.89	2.9	ND
		PCB 194	µg/kg	1.6	2.9	ND
		PCB 195	µg/kg	1.7	2.9	ND
		PCB 201	µg/kg	1.4	2.9	ND
		PCB 206	µg/kg	2.8	2.9	ND
		PCB 209	µg/kg	2.1	2.9	ND
		Total PCBs	µg/kg	2.8	5.8	ND

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Wet-Weather Monitoring - Storm-Borne Sediment
2014 - 2015

SUMMARY REPORT
Composite Sample of Nine Storm Events

Sample Date	Station Information	PCB Congener (Co-eluting Congeners)	Units	MDL	Reporting Limit	Concentration
9/22/2015	MdR-4 Oxford Flood Control Basin Storm-borne Sediment	PCB 8 (PCB 5/8)	µg/kg	2.3	6.2	ND
		PCB 18	µg/kg	1.1	3.1	ND
		PCB 28	µg/kg	0.52	3.1	ND
		PCB 37	µg/kg	0.94	3.1	ND
		PCB 44	µg/kg	1.3	3.1	**21**
		PCB 49	µg/kg	1.7	3.1	ND
		PCB 52	µg/kg	0.97	3.1	**58**
		PCB 66	µg/kg	1.6	3.1	ND
		PCB 70	µg/kg	0.93	3.1	**10**
		PCB 74	µg/kg	1.3	3.1	ND
		PCB 77	µg/kg	1.2	3.1	ND
		PCB 81	µg/kg	1.9	3.1	ND
		PCB 87	µg/kg	1.7	3.1	**11**
		PCB 99	µg/kg	0.94	3.1	**9.8**
		PCB 101	µg/kg	1.5	3.1	**30**
		PCB 105	µg/kg	0.85	3.1	ND
		PCB 110	µg/kg	0.71	3.1	**27**
		PCB 114	µg/kg	1.3	3.1	ND
		PCB 118	µg/kg	1.3	3.1	**22**
		PCB 119	µg/kg	1.5	3.1	ND
		PCB 123	µg/kg	1.6	3.1	ND
		PCB 126	µg/kg	1.2	3.1	ND
		PCB 128	µg/kg	1.6	3.1	ND
		PCB 138 (PCB 138/158)	µg/kg	1.5	6.2	**35**
		PCB 149	µg/kg	1.5	3.1	**14**
		PCB 151	µg/kg	1.0	3.1	ND
		PCB 153 (PCB 132/153)	µg/kg	2.7	6.2	**27**
		PCB 156	µg/kg	0.89	3.1	ND
		PCB 157	µg/kg	0.81	3.1	ND
		PCB 158 (see PCB 138)	NA	NA	NA	NA
		PCB 167	µg/kg	0.96	3.1	ND
		PCB 168	µg/kg	0.76	3.1	ND
		PCB 169	µg/kg	0.95	3.1	ND
		PCB 170	µg/kg	0.98	3.1	ND
		PCB 177	µg/kg	1.4	3.1	ND
		PCB 180	µg/kg	0.65	3.1	**13**
		PCB 183	µg/kg	1.7	3.1	ND
		PCB 187	µg/kg	1.3	3.1	ND
		PCB 189	µg/kg	0.95	3.1	ND
		PCB 194	µg/kg	1.7	3.1	ND
		PCB 195	µg/kg	1.8	3.1	ND
		PCB 201	µg/kg	1.5	3.1	ND
		PCB 206	µg/kg	3.0	3.1	ND
		PCB 209	µg/kg	2.3	3.1	ND
		Total PCBs	µg/kg	3.0	3.1	**277.8**

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Wet-Weather Monitoring - Storm-Borne Sediment
2014 - 2015

SUMMARY REPORT
Composite Sample of Nine Storm Events

Sample Date	Station Information	PCB Congener (Co-eluting Congeners)	Units	MDL	Reporting Limit	Concentration
9/22/2015	MdR-5 Boone-Olive Pump Station Storm-borne Sediment	PCB 8 (PCB 5/8)	µg/kg	1.8	4.9	ND
		PCB 18	µg/kg	0.88	2.5	ND
		PCB 28	µg/kg	0.41	2.5	ND
		PCB 37	µg/kg	0.75	2.5	ND
		PCB 44	µg/kg	1.1	2.5	ND
		PCB 49	µg/kg	1.4	2.5	ND
		PCB 52	µg/kg	0.77	2.5	ND
		PCB 66	µg/kg	1.3	2.5	ND
		PCB 70	µg/kg	0.74	2.5	ND
		PCB 74	µg/kg	1.1	2.5	ND
		PCB 77	µg/kg	0.96	2.5	ND
		PCB 81	µg/kg	1.5	2.5	ND
		PCB 87	µg/kg	1.3	2.5	ND
		PCB 99	µg/kg	0.75	2.5	ND
		PCB 101	µg/kg	1.2	2.5	ND
		PCB 105	µg/kg	0.67	2.5	ND
		PCB 110	µg/kg	0.57	2.5	ND
		PCB 114	µg/kg	1.0	2.5	ND
		PCB 118	µg/kg	1.0	2.5	ND
		PCB 119	µg/kg	1.2	2.5	ND
		PCB 123	µg/kg	1.3	2.5	ND
		PCB 126	µg/kg	0.99	2.5	ND
		PCB 128	µg/kg	1.3	2.5	ND
		PCB 138 (PCB 138/158)	µg/kg	1.2	4.9	ND
		PCB 149	µg/kg	1.2	2.5	ND
		PCB 151	µg/kg	0.83	2.5	ND
		PCB 153 (PCB 132/153)	µg/kg	2.1	4.9	ND
		PCB 156	µg/kg	0.71	2.5	ND
		PCB 157	µg/kg	0.65	2.5	ND
		PCB 158 (see PCB 138)	NA	NA	NA	NA
		PCB 167	µg/kg	0.76	2.5	ND
		PCB 168	µg/kg	0.60	2.5	ND
		PCB 169	µg/kg	0.75	2.5	ND
		PCB 170	µg/kg	0.78	2.5	ND
		PCB 177	µg/kg	1.1	2.5	ND
		PCB 180	µg/kg	0.52	2.5	ND
		PCB 183	µg/kg	1.4	2.5	ND
		PCB 187	µg/kg	1.0	2.5	ND
		PCB 189	µg/kg	0.75	2.5	ND
		PCB 194	µg/kg	1.4	2.5	ND
		PCB 195	µg/kg	1.4	2.5	ND
		PCB 201	µg/kg	1.2	2.5	ND
		PCB 206	µg/kg	2.4	2.5	ND
		PCB 209	µg/kg	1.8	2.5	ND
		Total PCBs	µg/kg	2.4	4.9	ND

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Wet-Weather Monitoring - Storm-Borne Sediment
2014 - 2015

SUMMARY REPORT
Composite Sample of Nine Storm Events

Sample Date	Station Information	PCB Congener (Co-eluting Congeners)	Units	MDL	Reporting Limit	Concentration
9/22/2015	MdRU-C1 Under-represented located north of Bali and Admiralty Ways Storm-borne Sediment	PCB 8 (PCB 5/8)	µg/kg	3.4	9.3	ND
		PCB 18	µg/kg	1.7	4.6	ND
		PCB 28	µg/kg	0.78	4.6	ND
		PCB 37	µg/kg	1.4	4.6	ND
		PCB 44	µg/kg	2.0	4.6	ND
		PCB 49	µg/kg	2.6	4.6	ND
		PCB 52	µg/kg	1.5	4.6	ND
		PCB 66	µg/kg	2.4	4.6	ND
		PCB 70	µg/kg	1.4	4.6	ND
		PCB 74	µg/kg	2.0	4.6	ND
		PCB 77	µg/kg	1.8	4.6	ND
		PCB 81	µg/kg	2.8	4.6	ND
		PCB 87	µg/kg	2.5	4.6	ND
		PCB 99	µg/kg	1.4	4.6	ND
		PCB 101	µg/kg	2.3	4.6	ND
		PCB 105	µg/kg	1.3	4.6	ND
		PCB 110	µg/kg	1.1	4.6	**6.5**
		PCB 114	µg/kg	1.9	4.6	ND
		PCB 118	µg/kg	2.0	4.6	ND
		PCB 119	µg/kg	2.2	4.6	ND
		PCB 123	µg/kg	2.4	4.6	ND
		PCB 126	µg/kg	1.9	4.6	ND
		PCB 128	µg/kg	2.4	4.6	ND
		PCB 138 (PCB 138/158)	µg/kg	2.2	9.3	ND
		PCB 149	µg/kg	2.3	4.6	**4.0 J**
		PCB 151	µg/kg	1.6	4.6	ND
		PCB 153 (PCB 132/153)	µg/kg	4.0	9.3	**11**
		PCB 156	µg/kg	1.3	4.6	ND
		PCB 157	µg/kg	1.2	4.6	ND
		PCB 158 (see PCB 138)	NA	NA	NA	NA
		PCB 167	µg/kg	1.4	4.6	ND
		PCB 168	µg/kg	1.1	4.6	ND
		PCB 169	µg/kg	1.4	4.6	ND
		PCB 170	µg/kg	1.5	4.6	ND
		PCB 177	µg/kg	2.0	4.6	ND
		PCB 180	µg/kg	0.98	4.6	ND
		PCB 183	µg/kg	2.6	4.6	ND
		PCB 187	µg/kg	2.0	4.6	**2.3 J**
		PCB 189	µg/kg	1.4	4.6	ND
		PCB 194	µg/kg	2.6	4.6	ND
		PCB 195	µg/kg	2.7	4.6	ND
		PCB 201	µg/kg	2.2	4.6	ND
		PCB 206	µg/kg	4.5	4.6	ND
		PCB 209	µg/kg	3.4	4.6	ND
		Total PCBs	µg/kg	4.5	9.3	**23.8 J**

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Wet-Weather Monitoring - Storm-Borne Sediment
2014 - 2015

SUMMARY REPORT
Composite Sample of Nine Storm Events

Sample Date	Station Information	PCB Congener (Co-eluting Congeners)	Units	MDL	Reporting Limit	Concentration
9/22/2015	MdRU-C2 Under-represented located north of Abbot Kinney Boulevard and Woodlawn Avenue Storm-borne Sediment	PCB 8 (PCB 5/8)	µg/kg	4.9	14	ND
		PCB 18	µg/kg	2.4	6.8	ND
		PCB 28	µg/kg	1.1	6.8	ND
		PCB 37	µg/kg	2.1	6.8	ND
		PCB 44	µg/kg	2.9	6.8	ND
		PCB 49	µg/kg	3.8	6.8	ND
		PCB 52	µg/kg	2.1	6.8	ND
		PCB 66	µg/kg	3.5	6.8	ND
		PCB 70	µg/kg	2.0	6.8	ND
		PCB 74	µg/kg	3.0	6.8	ND
		PCB 77	µg/kg	2.6	6.8	ND
		PCB 81	µg/kg	4.1	6.8	ND
		PCB 87	µg/kg	3.6	6.8	ND
		PCB 99	µg/kg	2.1	6.8	ND
		PCB 101	µg/kg	3.3	6.8	ND
		PCB 105	µg/kg	1.9	6.8	ND
		PCB 110	µg/kg	1.6	6.8	ND
		PCB 114	µg/kg	2.8	6.8	ND
		PCB 118	µg/kg	2.9	6.8	ND
		PCB 119	µg/kg	3.2	6.8	ND
		PCB 123	µg/kg	3.5	6.8	ND
		PCB 126	µg/kg	2.7	6.8	ND
		PCB 128	µg/kg	3.5	6.8	ND
		PCB 138 (PCB 138/158)	µg/kg	3.2	14	ND
		PCB 149	µg/kg	3.3	6.8	ND
		PCB 151	µg/kg	2.3	6.8	ND
		PCB 153 (PCB 132/153)	µg/kg	5.9	14	ND
		PCB 156	µg/kg	2.0	6.8	ND
		PCB 157	µg/kg	1.8	6.8	ND
		PCB 158 (see PCB 138)	NA	NA	NA	NA
		PCB 167	µg/kg	2.1	6.8	ND
		PCB 168	µg/kg	1.7	6.8	ND
		PCB 169	µg/kg	2.1	6.8	ND
		PCB 170	µg/kg	2.2	6.8	ND
		PCB 177	µg/kg	3.0	6.8	ND
		PCB 180	µg/kg	1.4	6.8	ND
		PCB 183	µg/kg	3.7	6.8	ND
		PCB 187	µg/kg	2.9	6.8	ND
		PCB 189	µg/kg	2.1	6.8	ND
		PCB 194	µg/kg	3.8	6.8	ND
		PCB 195	µg/kg	4.0	6.8	ND
		PCB 201	µg/kg	3.3	6.8	ND
		PCB 206	µg/kg	6.5	6.8	ND
		PCB 209	µg/kg	4.9	6.8	ND
		Total PCBs	µg/kg	6.5	14	ND

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Wet-Weather Monitoring - Storm-Borne Sediment
2014 - 2015

SUMMARY REPORT
Composite Sample of Nine Storm Events

Sample Date	Station Information	PCB Congener (Co-eluting Congeners)	Units	MDL	Reporting Limit	Concentration

Notes:
Detections are indicated in **bold**
MDL - Method Detection Limit
NA - Not applicable
ND - Analyte not detected at or above the method detection limit
Reporting Limit - lowest concentration for which quantitative data are reported
Some PCB congeners co-elute, cannot be separated by the method, and are reported as the summation of the co-eluting compounds.
µg/kg - microgram per kilogram, dry weight basis
J - Qualifier indicates value is between the reporting limit and the MDL, value is estimate

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Wet-Weather Monitoring - Loading Estimates
2014 - 2015

SUMMARY REPORT Composite Sample of Nine Storm Events		
Station Information	**Chemical Constituent**	**Total (kg) (Sum of Storms)**
MdR-3	Copper	1.74E+00
	Lead	6.31E-01
	Zinc	9.65E+00
	Total Chlordane	5.04E-04
	Total PCBs	ND
Station Information	**Chemical Constituent**	**Total (kg) (Sum of Storms)**
MdR-4	Copper	6.41E-01
	Lead	1.50E-01
	Zinc	2.60E+00
	Total Chlordane	7.06E-05
	Total PCBs	2.93E-04
Station Information	**Chemical Constituent**	**Total (kg) (Sum of Storms)**
MdR-5	Copper	4.25E-01
	Lead	1.56E-01
	Zinc	2.43E+00
	Total Chlordane	1.25E-04
	Total PCBs	ND
Station Information	**Chemical Constituent**	**Total (kg) (Sum of Storms)**
MdRU-C1	Copper	2.48E-01
	Lead	8.24E-02
	Zinc	1.42E+00
	Total Chlordane	7.37E-05
	Total PCBs	1.97E-05
Station Information	**Chemical Constituent**	**Total (kg) (Sum of Storms)**
MdRU-C2	Copper	1.50E-01
	Lead	8.05E-02
	Zinc	2.12E+00
	Total Chlordane	1.47E-04
	Total PCBs	ND
Station Information	**Chemical Constituent**	**Total (kg) (Sum of Storms)**
Total (Sum of Locations)	Copper	3.20E+00
	Lead	1.10E+00
	Zinc	1.82E+01
	Total Chlordane	9.20E-04
	Total PCBs	3.13E-04

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Wet-Weather Monitoring - Loading Estimates
2014 - 2015

SUMMARY REPORT
Composite Sample of Nine Storm Events

Notes:

28.31685	liters per cubic foot conversion factor
1.00E-06	kilograms per milligram converstion factor
1.00E-09	kilograms per microgram converstion factor

CF - cubic feet
cis-Chlordane = alpha-Chlordane
Detections are indicated in **bold**
J - Qualifier indicates value is between the reporting limit and the MDL, value is estimate
kg - kilogram
Loading estimated as the sum of each storm, where each storm is estimated as
Flow * Total Suspended Solids * (Composite Storm-borne Sediment Concentration) * appropriate conversion factors
MDL - Method Detection Limit
NA - Not applicable
ND - Analyte not detected at or above the method detection limit
Reporting Limit - lowest concentration for which quantitative data are reported
Sample Date is date of composite sample preparation
Some PCB congeners co-elute, cannot be separated by the method, and are reported
as the summation of the co-eluting compounds.
TOC - Total organic carbon
trans-Chlordane = gamma-Chlordane
mg/kg - milligram per kilogram, dry weight basis
mg/L - milligram per liter
µg/kg - microgram per kilogram, dry weight basis

Benthic Sediment Quality Data

This page intentionally left blank.

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Benthic Sediments Monthly Effectiveness Monitoring
2014 - 2015

MONTHLY SUMMARY REPORT: August 2014 DRY WEATHER							
Sample Date	**Station Information**	**Metal**	**Units**	**MDL**	**Reporting Limit**	**TMDL Limit**	**Concentration**
8/29/2014	MdRH-B-1 Back Harbor Basin D Saltwater Sediment	Copper Lead Zinc	mg/kg mg/kg mg/kg	0.267 0.261 0.352	0.990 0.990 1.98	34 46.7 150	**393** **61.5** **446**
8/29/2014	MdRH-B-2 Back Harbor Basin E Saltwater Sediment	Copper Lead Zinc	mg/kg mg/kg mg/kg	0.381 0.372 0.502	1.41 1.41 2.82	34 46.7 150	**574** **107** **581**
8/29/2014	MdRH-B-3 Back Harbor Basin F Saltwater Sediment	Copper Lead Zinc	mg/kg mg/kg mg/kg	0.355 0.347 0.468	1.32 1.32 2.64	34 46.7 150	**454** **97.5** **474**
8/29/2014	MdRH-B-4 Back Harbor Basin - End of Channel Saltwater Sediment	Copper Lead Zinc	mg/kg mg/kg mg/kg	0.265 0.259 0.350	0.984 0.984 1.97	34 46.7 150	**283** **62.4** **332**

Notes:

Detections are indicated in **bold**

MDL - Method Detection Limit

Reporting Limit - lowest concentration for which quantitative data are reported

TMDL Limit - Numeric Target specified by the MDR Harbor Toxics TMDL

mg/kg - milligram per kilogram, dry weight basis

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Benthic Sediments Monthly Effectiveness Monitoring
2014 - 2015

MONTHLY SUMMARY REPORT: September 2014 DRY WEATHER							
Sample Date	**Station Information**	**Metal**	**Units**	**MDL**	**Reporting Limit**	**TMDL Limit**	**Concentration**
9/18/2014	MdRH-B-1 Back Harbor Basin D Saltwater Sediment	Copper Lead Zinc	mg/kg mg/kg mg/kg	0.271 0.265 0.357	1.01 1.01 2.01	34 46.7 150	**418** **69.1** **386**
9/18/2014	MdRH-B-2 Back Harbor Basin E Saltwater Sediment	Copper Lead Zinc	mg/kg mg/kg mg/kg	0.392 0.383 0.517	1.45 1.45 2.91	34 46.7 150	**536** **99.9** **591**
9/18/2014	MdRH-B-3 Back Harbor Basin F Saltwater Sediment	Copper Lead Zinc	mg/kg mg/kg mg/kg	0.331 0.324 0.436	1.23 1.23 2.46	34 46.7 150	**467** **100** **460**
9/18/2014	MdRH-B-4 Back Harbor Basin - End of Channel Saltwater Sediment	Copper Lead Zinc	mg/kg mg/kg mg/kg	0.280 0.273 0.368	1.04 1.04 2.07	34 46.7 150	**290** **68.4** **336**

Notes:

Detections are indicated in **bold**

MDL - Method Detection Limit

Reporting Limit - lowest concentration for which quantitative data are reported

TMDL Limit - Numeric Target specified by the MDR Harbor Toxics TMDL

mg/kg - milligram per kilogram, dry weight basis

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Benthic Sediments Monthly Effectiveness Monitoring
2014 - 2015

MONTHLY SUMMARY REPORT: October 2014 DRY WEATHER							
Sample Date	**Station Information**	**Metal**	**Units**	**MDL**	**Reporting Limit**	**TMDL Limit**	**Concentration**
10/22/2014	MdRH-B-1 Back Harbor Basin D Saltwater Sediment	Copper Lead Zinc	mg/kg mg/kg mg/kg	0.292 0.285 0.385	1.08 1.08 2.17	34 46.7 150	**405** **67.7** **379**
10/22/2014	MdRH-B-2 Back Harbor Basin E Saltwater Sediment	Copper Lead Zinc	mg/kg mg/kg mg/kg	0.394 0.385 0.519	1.46 1.46 2.92	34 46.7 150	**549** **99.7** **555**
10/22/2014	MdRH-B-3 Back Harbor Basin F Saltwater Sediment	Copper Lead Zinc	mg/kg mg/kg mg/kg	0.334 0.326 0.440	1.24 1.24 2.48	34 46.7 150	**438** **95.1** **455**
10/22/2014	MdRH-B-4 Back Harbor Basin - End of Channel Saltwater Sediment	Copper Lead Zinc	mg/kg mg/kg mg/kg	0.291 0.284 0.384	1.08 1.08 2.16	34 46.7 150	**287** **67.3** **347**

Notes:

Detections are indicated in **bold**

MDL - Method Detection Limit

Reporting Limit - lowest concentration for which quantitative data are reported

TMDL Limit - Numeric Target specified by the MDR Harbor Toxics TMDL

mg/kg - milligram per kilogram, dry weight basis

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Benthic Sediments Monthly Effectiveness Monitoring
2014 - 2015

MONTHLY SUMMARY REPORT: November 2014 DRY WEATHER							
Sample Date	**Station Information**	**Metal**	**Units**	**MDL**	**Reporting Limit**	**TMDL Limit**	**Concentration**
11/13/2014	MdRH-B-1 Back Harbor Basin D Saltwater Sediment	Copper Lead Zinc	mg/kg mg/kg mg/kg	0.264 0.258 0.347	0.978 0.978 1.96	34 46.7 150	**376** **58.0** **371**
11/13/2014	MdRH-B-2 Back Harbor Basin E Saltwater Sediment	Copper Lead Zinc	mg/kg mg/kg mg/kg	0.353 0.345 0.466	1.31 1.31 2.62	34 46.7 150	**522** **156*** **556**
11/13/2014	MdRH-B-3 Back Harbor Basin F Saltwater Sediment	Copper Lead Zinc	mg/kg mg/kg mg/kg	0.352 0.344 0.463	1.30 1.30 2.61	34 46.7 150	**447** **89.0** **473**
11/13/2014	MdRH-B-4 Back Harbor Basin - End of Channel Saltwater Sediment	Copper Lead Zinc	mg/kg mg/kg mg/kg	0.282 0.276 0.372	1.05 1.05 2.09	34 46.7 150	**287** **65.0** **375**

Notes:

Detections are indicated in **bold**

MDL - Method Detection Limit

Reporting Limit - lowest concentration for which quantitative data are reported

TMDL Limit - Numeric Target specified by the MDR Harbor Toxics TMDL

mg/kg - milligram per kilogram, dry weight basis

* - Indicates an anomalous result

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Benthic Sediments Monthly Effectiveness Monitoring
2014 - 2015

MONTHLY SUMMARY REPORT: December 2014 DRY WEATHER							
Sample Date	**Station Information**	**Metal**	**Units**	**MDL**	**Reporting Limit**	**TMDL Limit**	**Concentration**
12/11/2014	MdRH-B-1 Back Harbor Basin D Saltwater Sediment	Copper Lead Zinc	mg/kg mg/kg mg/kg	0.290 0.283 0.382	1.07 1.07 2.15	34 46.7 150	**396** **61.5** **387**
12/11/2014	MdRH-B-2 Back Harbor Basin E Saltwater Sediment	Copper Lead Zinc	mg/kg mg/kg mg/kg	0.389 0.381 0.513	1.45 1.45 2.89	34 46.7 150	**514** **86.4** **543**
12/11/2014	MdRH-B-3 Back Harbor Basin F Saltwater Sediment	Copper Lead Zinc	mg/kg mg/kg mg/kg	0.330 0.322 0.434	1.22 1.22 2.45	34 46.7 150	**426** **85.4** **463**
12/11/2014	MdRH-B-4 Back Harbor Basin - End of Channel Saltwater Sediment	Copper Lead Zinc	mg/kg mg/kg mg/kg	0.276 0.270 0.364	1.03 1.03 2.05	34 46.7 150	**296** **66.3** **381**

Notes:

Detections are indicated in **bold**

MDL - Method Detection Limit

Reporting Limit - lowest concentration for which quantitative data are reported

TMDL Limit - Numeric Target specified by the MDR Harbor Toxics TMDL

mg/kg - milligram per kilogram, dry weight basis

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Benthic Sediments Monthly Effectiveness Monitoring
2014 - 2015

MONTHLY SUMMARY REPORT: January 2015 DRY WEATHER							
Sample Date	**Station Information**	**Metal**	**Units**	**MDL**	**Reporting Limit**	**TMDL Limit**	**Concentration**
1/8/2015	MdRH-B-1 Back Harbor Basin D Saltwater Sediment	Copper Lead Zinc	mg/kg mg/kg mg/kg	0.271 0.265 0.358	1.01 1.01 2.01	34 46.7 150	**337** **53.1** **340**
1/8/2015	MdRH-B-2 Back Harbor Basin E Saltwater Sediment	Copper Lead Zinc	mg/kg mg/kg mg/kg	0.373 0.365 0.492	1.39 1.39 2.77	34 46.7 150	**471** **84.6** **496**
1/8/2015	MdRH-B-3 Back Harbor Basin F Saltwater Sediment	Copper Lead Zinc	mg/kg mg/kg mg/kg	0.347 0.339 0.458	1.29 1.29 2.58	34 46.7 150	**289** **60.2** **314**
1/8/2015	MdRH-B-4 Back Harbor Basin - End of Channel Saltwater Sediment	Copper Lead Zinc	mg/kg mg/kg mg/kg	0.297 0.290 0.392	1.10 1.10 2.21	34 46.7 150	**190** **42.6** **243**

Notes:

Detections are indicated in **bold**

MDL - Method Detection Limit

Reporting Limit - lowest concentration for which quantitative data are reported

TMDL Limit - Numeric Target specified by the MDR Harbor Toxics TMDL

mg/kg - milligram per kilogram, dry weight basis

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Benthic Sediments Monthly Effectiveness Monitoring
2014 - 2015

MONTHLY SUMMARY REPORT: February 2015 DRY WEATHER							
Sample Date	**Station Information**	**Metal**	**Units**	**MDL**	**Reporting Limit**	**TMDL Limit**	**Concentration**
2/5/2015	MdRH-B-1 Back Harbor Basin D Saltwater Sediment	Copper Lead Zinc	mg/kg mg/kg mg/kg	0.268 0.262 0.354	0.996 0.996 1.99	34 46.7 150	**371** **57.8** **361**
2/5/2015	MdRH-B-2 Back Harbor Basin E Saltwater Sediment	Copper Lead Zinc	mg/kg mg/kg mg/kg	0.376 0.368 0.496	1.40 1.40 2.79	34 46.7 150	**543** **92.9** **562**
2/5/2015	MdRH-B-3 Back Harbor Basin F Saltwater Sediment	Copper Lead Zinc	mg/kg mg/kg mg/kg	0.334 0.327 0.441	1.24 1.24 2.48	34 46.7 150	**441** **89.6** **462**
2/5/2015	MdRH-B-4 Back Harbor Basin - End of Channel Saltwater Sediment	Copper Lead Zinc	mg/kg mg/kg mg/kg	0.285 0.278 0.375	1.06 1.06 2.11	34 46.7 150	**314** **67.5** **372**

Notes:

Detections are indicated in **bold**

MDL - Method Detection Limit

Reporting Limit - lowest concentration for which quantitative data are reported

TMDL Limit - Numeric Target specified by the MDR Harbor Toxics TMDL

mg/kg - milligram per kilogram, dry weight basis

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Benthic Sediments Monthly Effectiveness Monitoring
2014 - 2015

MONTHLY SUMMARY REPORT: March 2015 DRY WEATHER							
Sample Date	**Station Information**	**Metal**	**Units**	**MDL**	**Reporting Limit**	**TMDL Limit**	**Concentration**
3/6/2015	MdRH-B-1 Back Harbor Basin D Saltwater Sediment	Copper Lead Zinc	mg/kg mg/kg mg/kg	0.275 0.269 0.362	1.02 1.02 2.04	34 46.7 150	**379** **57.6** **367**
3/6/2015	MdRH-B-2 Back Harbor Basin E Saltwater Sediment	Copper Lead Zinc	mg/kg mg/kg mg/kg	0.389 0.380 0.513	1.44 1.44 2.89	34 46.7 150	**481** **82.9** **494**
3/6/2015	MdRH-B-3 Back Harbor Basin F Saltwater Sediment	Copper Lead Zinc	mg/kg mg/kg mg/kg	0.334 0.326 0.440	1.24 1.24 2.48	34 46.7 150	**447** **84.0** **446**
3/6/2015	MdRH-B-4 Back Harbor Basin - End of Channel Saltwater Sediment	Copper Lead Zinc	mg/kg mg/kg mg/kg	0.283 0.277 0.374	1.05 1.05 2.10	34 46.7 150	**319** **67.6** **378**

Notes:

Detections are indicated in **bold**

MDL - Method Detection Limit

Reporting Limit - lowest concentration for which quantitative data are reported

TMDL Limit - Numeric Target specified by the MDR Harbor Toxics TMDL

mg/kg - milligram per kilogram, dry weight basis

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Benthic Sediments Monthly Effectiveness Monitoring
2014 - 2015

MONTHLY SUMMARY REPORT: April 2015 DRY WEATHER							
Sample Date	**Station Information**	**Metal**	**Units**	**MDL**	**Reporting Limit**	**TMDL Limit**	**Concentration**
4/16/2015	MdRH-B-1 Back Harbor Basin D Saltwater Sediment	Copper Lead Zinc	mg/kg mg/kg mg/kg	0.268 0.262 0.353	0.994 0.994 1.99	34 46.7 150	**403** **68.2** **384**
4/16/2015	MdRH-B-2 Back Harbor Basin E Saltwater Sediment	Copper Lead Zinc	mg/kg mg/kg mg/kg	0.386 0.377 0.508	1.43 1.43 2.86	34 46.7 150	**557** **108** **588**
4/16/2015	MdRH-B-3 Back Harbor Basin F Saltwater Sediment	Copper Lead Zinc	mg/kg mg/kg mg/kg	0.339 0.331 0.447	1.26 1.26 2.52	34 46.7 150	**454** **96.9** **463**
4/16/2015	MdRH-B-4 Back Harbor Basin - End of Channel Saltwater Sediment	Copper Lead Zinc	mg/kg mg/kg mg/kg	0.274 0.267 0.361	1.02 1.02 2.03	34 46.7 150	**293** **72.3** **374**

Notes:

Detections are indicated in **bold**

MDL - Method Detection Limit

Reporting Limit - lowest concentration for which quantitative data are reported

TMDL Limit - Numeric Target specified by the MDR Harbor Toxics TMDL

mg/kg - milligram per kilogram, dry weight basis

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Benthic Sediments Monthly Effectiveness Monitoring
2014 - 2015

MONTHLY SUMMARY REPORT: May 2015 DRY WEATHER							
Sample Date	**Station Information**	**Metal**	**Units**	**MDL**	**Reporting Limit**	**TMDL Limit**	**Concentration**
5/14/2015	MdRH-B-1 Back Harbor Basin D Saltwater Sediment	Copper Lead Zinc	mg/kg mg/kg mg/kg	0.271 0.265 0.357	1.01 1.01 2.01	34 46.7 150	**384** **63.7** **370**
5/14/2015	MdRH-B-2 Back Harbor Basin E Saltwater Sediment	Copper Lead Zinc	mg/kg mg/kg mg/kg	0.375 0.366 0.494	1.39 1.39 2.78	34 46.7 150	**542** **109** **570**
5/14/2015	MdRH-B-3 Back Harbor Basin F Saltwater Sediment	Copper Lead Zinc	mg/kg mg/kg mg/kg	0.321 0.314 0.424	1.19 1.19 2.39	34 46.7 150	**450** **100** **466**
5/14/2015	MdRH-B-4 Back Harbor Basin - End of Channel Saltwater Sediment	Copper Lead Zinc	mg/kg mg/kg mg/kg	0.269 0.263 0.355	1.00 1.00 2.00	34 46.7 150	**298** **70.9** **353**

Notes:

Detections are indicated in **bold**

MDL - Method Detection Limit

Reporting Limit - lowest concentration for which quantitative data are reported

TMDL Limit - Numeric Target specified by the MDR Harbor Toxics TMDL

mg/kg - milligram per kilogram, dry weight basis

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Benthic Sediments Monthly Effectiveness Monitoring
2014 - 2015

MONTHLY SUMMARY REPORT: June 2015 DRY WEATHER							
Sample Date	**Station Information**	**Metal**	**Units**	**MDL**	**Reporting Limit**	**TMDL Limit**	**Concentration**
6/4/2015	MdRH-B-1 Back Harbor Basin D Saltwater Sediment	Copper Lead Zinc	mg/kg mg/kg mg/kg	0.290 0.284 0.383	1.08 1.08 2.16	34 46.7 150	**428** **69.9** **396**
6/4/2015	MdRH-B-2 Back Harbor Basin E Saltwater Sediment	Copper Lead Zinc	mg/kg mg/kg mg/kg	0.380 0.371 0.501	1.41 1.41 2.82	34 46.7 150	**576** **113** **591**
6/4/2015	MdRH-B-3 Back Harbor Basin F Saltwater Sediment	Copper Lead Zinc	mg/kg mg/kg mg/kg	0.357 0.349 0.470	1.32 1.32 2.65	34 46.7 150	**471** **105** **492**
6/4/2015	MdRH-B-4 Back Harbor Basin - End of Channel Saltwater Sediment	Copper Lead Zinc	mg/kg mg/kg mg/kg	0.290 0.283 0.382	1.08 1.08 2.15	34 46.7 150	**296** **71.7** **358**

Notes:

Detections are indicated in **bold**

MDL - Method Detection Limit

Reporting Limit - lowest concentration for which quantitative data are reported

TMDL Limit - Numeric Target specified by the MDR Harbor Toxics TMDL

mg/kg - milligram per kilogram, dry weight basis

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Benthic Sediments Monthly Effectiveness Monitoring
2014 - 2015

MONTHLY SUMMARY REPORT: July 2015 DRY WEATHER							
Sample Date	**Station Information**	**Metal**	**Units**	**MDL**	**Reporting Limit**	**TMDL Limit**	**Concentration**
7/28/2015	MdRH-B-1 Back Harbor Basin D Saltwater Sediment	Copper Lead Zinc	mg/kg mg/kg mg/kg	0.256 0.250 0.337	0.950 0.950 1.90	34 46.7 150	**344** **75.0** **347**
7/28/2015	MdRH-B-2 Back Harbor Basin E Saltwater Sediment	Copper Lead Zinc	mg/kg mg/kg mg/kg	0.378 0.369 0.498	1.40 1.40 2.80	34 46.7 150	**523** **123** **548**
7/28/2015	MdRH-B-3 Back Harbor Basin F Saltwater Sediment	Copper Lead Zinc	mg/kg mg/kg mg/kg	0.331 0.324 0.436	1.23 1.23 2.46	34 46.7 150	**473** **128** **492**
7/28/2015	MdRH-B-4 Back Harbor Basin - End of Channel Saltwater Sediment	Copper Lead Zinc	mg/kg mg/kg mg/kg	0.279 0.273 0.368	1.04 1.04 2.07	34 46.7 150	**299** **86.4** **360**

Notes:

Detections are indicated in **bold**

MDL - Method Detection Limit

Reporting Limit - lowest concentration for which quantitative data are reported

TMDL Limit - Numeric Target specified by the MDR Harbor Toxics TMDL

mg/kg - milligram per kilogram, dry weight basis

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Benthic Sediments Monthly Effectiveness Monitoring
2014 - 2015

MONTHLY SUMMARY REPORT: August 2014
DRY WEATHER

Sample Date	Station Information	Organics	Units	MDL	Reporting Limit	TMDL Limit*	Concentration
8/29/2014	MdRH-B-1 Back Harbor Basin D Saltwater Sediment	Chlordane	µg/kg	0.33	1.0	0.50	ND
		Aroclor 1016	µg/kg	5.7	20	22.7	ND
		Aroclor 1221	µg/kg	5.2	20	22.7	ND
		Aroclor 1232	µg/kg	4.3	20	22.7	ND
		Aroclor 1242	µg/kg	5.0	20	22.7	ND
		Aroclor 1248	µg/kg	5.8	20	22.7	ND
		Aroclor 1254	µg/kg	4.9	20	22.7	**13 J**
		Aroclor 1260	µg/kg	4.7	20	22.7	**12 J**
		Aroclor 1262	µg/kg	5.0	20	22.7	ND
		Total PCBs	µg/kg	5.8	20	22.7	**25 J**
8/29/2014	MdRH-B-2 Back Harbor Basin E Saltwater Sediment	Chlordane	µg/kg	0.46	1.4	0.50	ND
		Aroclor 1016	µg/kg	8.1	28	22.7	ND
		Aroclor 1221	µg/kg	7.3	28	22.7	ND
		Aroclor 1232	µg/kg	6.1	28	22.7	ND
		Aroclor 1242	µg/kg	7.0	28	22.7	ND
		Aroclor 1248	µg/kg	8.1	28	22.7	ND
		Aroclor 1254	µg/kg	6.8	28	22.7	**22 J**
		Aroclor 1260	µg/kg	6.5	28	22.7	**20 J**
		Aroclor 1262	µg/kg	7.0	28	22.7	ND
		Total PCBs	µg/kg	8.1	28	22.7	**42 J**
8/29/2014	MdRH-B-3 Back Harbor Basin F Saltwater Sediment	Chlordane	µg/kg	0.42	1.3	0.50	ND
		Aroclor 1016	µg/kg	7.4	26	22.7	ND
		Aroclor 1221	µg/kg	6.7	26	22.7	ND
		Aroclor 1232	µg/kg	5.5	26	22.7	ND
		Aroclor 1242	µg/kg	6.4	26	22.7	ND
		Aroclor 1248	µg/kg	7.4	26	22.7	ND
		Aroclor 1254	µg/kg	6.2	26	22.7	**14 J**
		Aroclor 1260	µg/kg	6.0	26	22.7	**14 J**
		Aroclor 1262	µg/kg	6.4	26	22.7	ND
		Total PCBs	µg/kg	7.4	26	22.7	**28 J**
8/29/2014	MdRH-B-4 Back Harbor Basin - End of Channel Saltwater Sediment	Chlordane	µg/kg	0.32	1.0	0.50	ND
		Aroclor 1016	µg/kg	5.7	20	22.7	ND
		Aroclor 1221	µg/kg	5.2	20	22.7	ND
		Aroclor 1232	µg/kg	4.3	20	22.7	ND
		Aroclor 1242	µg/kg	5.0	20	22.7	ND
		Aroclor 1248	µg/kg	5.8	20	22.7	ND
		Aroclor 1254	µg/kg	4.8	20	22.7	**8.5 J**
		Aroclor 1260	µg/kg	4.7	20	22.7	**7.1 J**
		Aroclor 1262	µg/kg	5.0	20	22.7	ND
		Total PCBs	µg/kg	5.8	20	22.7	**15.6 J**

Notes:
Detections are indicated in **bold**
MDL - Method Detection Limit
ND - Analyte not detected at or above the method detection limit
Reporting Limit - lowest concentration for which quantitative data are reported
TMDL Limit - Numeric Target specified by the MDR Harbor Toxics TMDL
* TMDL Limit of 22.7 µg/kg for PCBs is for Total PCBs
µg/kg - microgram per kilogram, dry weight basis

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Benthic Sediments Monthly Effectiveness Monitoring
2014 - 2015

MONTHLY SUMMARY REPORT: September 2014
DRY WEATHER

Sample Date	Station Information	Organics	Units	MDL	Reporting Limit	TMDL Limit*	Concentration
9/18/2014	MdRH-B-1 Back Harbor Basin D Saltwater Sediment	Chlordane	µg/kg	0.34	1.0	0.50	ND
		Aroclor 1016	µg/kg	6.0	21	22.7	ND
		Aroclor 1221	µg/kg	5.4	21	22.7	ND
		Aroclor 1232	µg/kg	4.5	21	22.7	ND
		Aroclor 1242	µg/kg	5.2	21	22.7	ND
		Aroclor 1248	µg/kg	6.0	21	22.7	ND
		Aroclor 1254	µg/kg	5.0	21	22.7	**96**
		Aroclor 1260	µg/kg	4.8	21	22.7	**68**
		Aroclor 1262	µg/kg	5.1	21	22.7	ND
		Total PCBs	µg/kg	6.0	21	22.7	**164**
9/18/2014	MdRH-B-2 Back Harbor Basin E Saltwater Sediment	Chlordane	µg/kg	0.46	1.4	0.50	ND
		Aroclor 1016	µg/kg	8.1	29	22.7	ND
		Aroclor 1221	µg/kg	7.4	29	22.7	ND
		Aroclor 1232	µg/kg	6.1	29	22.7	ND
		Aroclor 1242	µg/kg	7.1	29	22.7	ND
		Aroclor 1248	µg/kg	8.2	29	22.7	ND
		Aroclor 1254	µg/kg	6.9	29	22.7	**70**
		Aroclor 1260	µg/kg	6.6	29	22.7	**60**
		Aroclor 1262	µg/kg	7.0	29	22.7	ND
		Total PCBs	µg/kg	8.2	29	22.7	**130**
9/18/2014	MdRH-B-3 Back Harbor Basin F Saltwater Sediment	Chlordane	µg/kg	0.39	1.2	0.50	ND
		Aroclor 1016	µg/kg	7.0	24	22.7	ND
		Aroclor 1221	µg/kg	6.3	24	22.7	ND
		Aroclor 1232	µg/kg	5.2	24	22.7	ND
		Aroclor 1242	µg/kg	6.1	24	22.7	ND
		Aroclor 1248	µg/kg	7.1	24	22.7	ND
		Aroclor 1254	µg/kg	5.9	24	22.7	**93**
		Aroclor 1260	µg/kg	5.7	24	22.7	**98**
		Aroclor 1262	µg/kg	6.0	24	22.7	ND
		Total PCBs	µg/kg	7.1	24	22.7	**191**
9/18/2014	MdRH-B-4 Back Harbor Basin - End of Channel Saltwater Sediment	Chlordane	µg/kg	0.33	1.0	0.50	ND
		Aroclor 1016	µg/kg	5.9	21	22.7	ND
		Aroclor 1221	µg/kg	5.4	21	22.7	ND
		Aroclor 1232	µg/kg	4.4	21	22.7	ND
		Aroclor 1242	µg/kg	5.2	21	22.7	ND
		Aroclor 1248	µg/kg	6.0	21	22.7	ND
		Aroclor 1254	µg/kg	5.0	21	22.7	**61**
		Aroclor 1260	µg/kg	4.8	21	22.7	**66**
		Aroclor 1262	µg/kg	5.1	21	22.7	ND
		Total PCBs	µg/kg	6.0	21	22.7	**127**

Notes:
Detections are indicated in **bold**
MDL - Method Detection Limit
ND - Analyte not detected at or above the method detection limit
Reporting Limit - lowest concentration for which quantitative data are reported
TMDL Limit - Numeric Target specified by the MDR Harbor Toxics TMDL
* TMDL Limit of 22.7 µg/kg for PCBs is for Total PCBs
µg/kg - microgram per kilogram, dry weight basis

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Benthic Sediments Monthly Effectiveness Monitoring
2014 - 2015

MONTHLY SUMMARY REPORT: October 2014
DRY WEATHER

Sample Date	Station Information	Organics	Units	MDL	Reporting Limit	TMDL Limit*	Concentration
10/22/2014	MdRH-B-1 Back Harbor Basin D Saltwater Sediment	Chlordane	µg/kg	0.34	1.0	0.50	ND
		Aroclor 1016	µg/kg	6.0	21	22.7	ND
		Aroclor 1221	µg/kg	5.4	21	22.7	ND
		Aroclor 1232	µg/kg	4.5	21	22.7	ND
		Aroclor 1242	µg/kg	5.2	21	22.7	ND
		Aroclor 1248	µg/kg	6.0	21	22.7	ND
		Aroclor 1254	µg/kg	5.0	21	22.7	**13 J**
		Aroclor 1260	µg/kg	4.8	21	22.7	**8.5 J**
		Aroclor 1262	µg/kg	5.2	21	22.7	ND
		Total PCBs	µg/kg	6.0	21	22.7	**21.5 J**
10/22/2014	MdRH-B-2 Back Harbor Basin E Saltwater Sediment	Chlordane	µg/kg	0.47	1.5	0.50	ND
		Aroclor 1016	µg/kg	8.3	29	22.7	ND
		Aroclor 1221	µg/kg	7.5	29	22.7	ND
		Aroclor 1232	µg/kg	6.2	29	22.7	ND
		Aroclor 1242	µg/kg	7.2	29	22.7	ND
		Aroclor 1248	µg/kg	8.4	29	22.7	ND
		Aroclor 1254	µg/kg	7.0	29	22.7	**11 J**
		Aroclor 1260	µg/kg	6.7	29	22.7	**9.6 J**
		Aroclor 1262	µg/kg	7.2	29	22.7	ND
		Total PCBs	µg/kg	8.4	29	22.7	**20.6 J**
10/22/2014	MdRH-B-3 Back Harbor Basin F Saltwater Sediment	Chlordane	µg/kg	0.42	1.3	0.50	ND
		Aroclor 1016	µg/kg	7.4	26	22.7	ND
		Aroclor 1221	µg/kg	6.7	26	22.7	ND
		Aroclor 1232	µg/kg	5.6	26	22.7	ND
		Aroclor 1242	µg/kg	6.5	26	22.7	ND
		Aroclor 1248	µg/kg	7.5	26	22.7	ND
		Aroclor 1254	µg/kg	6.2	26	22.7	**9.7 J**
		Aroclor 1260	µg/kg	6.0	26	22.7	**6.7 J**
		Aroclor 1262	µg/kg	6.4	26	22.7	ND
		Total PCBs	µg/kg	7.5	26	22.7	**16.4 J**
10/22/2014	MdRH-B-4 Back Harbor Basin - End of Channel Saltwater Sediment	Chlordane	µg/kg	0.35	1.1	0.50	ND
		Aroclor 1016	µg/kg	6.1	21	22.7	ND
		Aroclor 1221	µg/kg	5.6	21	22.7	ND
		Aroclor 1232	µg/kg	4.6	21	22.7	ND
		Aroclor 1242	µg/kg	5.4	21	22.7	ND
		Aroclor 1248	µg/kg	6.2	21	22.7	ND
		Aroclor 1254	µg/kg	5.2	21	22.7	**8.8 J**
		Aroclor 1260	µg/kg	5.0	21	22.7	**6.5 J**
		Aroclor 1262	µg/kg	5.3	21	22.7	ND
		Total PCBs	µg/kg	6.2	21	22.7	**15.3 J**

Notes:
Detections are indicated in **bold**
MDL - Method Detection Limit
ND - Analyte not detected at or above the method detection limit
Reporting Limit - lowest concentration for which quantitative data are reported
TMDL Limit - Numeric Target specified by the MDR Harbor Toxics TMDL
* TMDL Limit of 22.7 µg/kg for PCBs is for Total PCBs
µg/kg - microgram per kilogram, dry weight basis
J - Qualifier indicates value is between the reporting limit and the MDL, value is estimate

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Benthic Sediments Monthly Effectiveness Monitoring
2014 - 2015

MONTHLY SUMMARY REPORT: November 2014
DRY WEATHER

Sample Date	Station Information	Organics	Units	MDL	Reporting Limit	TMDL Limit*	Concentration
11/13/2014	MdRH-B-1 Back Harbor Basin D Saltwater Sediment	Chlordane	µg/kg	0.32	0.98	0.50	ND
		Aroclor 1016	µg/kg	5.6	20	22.7	ND
		Aroclor 1221	µg/kg	5.1	20	22.7	ND
		Aroclor 1232	µg/kg	4.2	20	22.7	ND
		Aroclor 1242	µg/kg	4.9	20	22.7	ND
		Aroclor 1248	µg/kg	5.6	20	22.7	ND
		Aroclor 1254	µg/kg	4.7	20	22.7	**9.3 J**
		Aroclor 1260	µg/kg	4.5	20	22.7	**7.3 J**
		Aroclor 1262	µg/kg	4.8	20	22.7	ND
		Total PCBs	µg/kg	5.6	20	22.7	**16.6 J**
11/13/2014	MdRH-B-2 Back Harbor Basin E Saltwater Sediment	Chlordane	µg/kg	0.44	1.4	0.50	ND
		Aroclor 1016	µg/kg	7.8	27	22.7	ND
		Aroclor 1221	µg/kg	7.1	27	22.7	ND
		Aroclor 1232	µg/kg	5.9	27	22.7	ND
		Aroclor 1242	µg/kg	6.8	27	22.7	ND
		Aroclor 1248	µg/kg	7.9	27	22.7	ND
		Aroclor 1254	µg/kg	6.6	27	22.7	**14 J**
		Aroclor 1260	µg/kg	6.3	27	22.7	**8.7 J**
		Aroclor 1262	µg/kg	6.7	27	22.7	ND
		Total PCBs	µg/kg	7.9	27	22.7	**22.7 J**
11/13/2014	MdRH-B-3 Back Harbor Basin F Saltwater Sediment	Chlordane	µg/kg	0.41	1.3	0.50	ND
		Aroclor 1016	µg/kg	7.3	26	22.7	ND
		Aroclor 1221	µg/kg	6.6	26	22.7	ND
		Aroclor 1232	µg/kg	5.5	26	22.7	ND
		Aroclor 1242	µg/kg	6.4	26	22.7	ND
		Aroclor 1248	µg/kg	7.4	26	22.7	ND
		Aroclor 1254	µg/kg	6.2	26	22.7	**20 J**
		Aroclor 1260	µg/kg	5.9	26	22.7	**13 J**
		Aroclor 1262	µg/kg	6.3	26	22.7	ND
		Total PCBs	µg/kg	7.4	26	22.7	**33 J**
11/13/2014	MdRH-B-4 Back Harbor Basin - End of Channel Saltwater Sediment	Chlordane	µg/kg	0.34	1.1	0.50	ND
		Aroclor 1016	µg/kg	6.0	21	22.7	ND
		Aroclor 1221	µg/kg	5.4	21	22.7	ND
		Aroclor 1232	µg/kg	4.5	21	22.7	ND
		Aroclor 1242	µg/kg	5.2	21	22.7	ND
		Aroclor 1248	µg/kg	6.1	21	22.7	ND
		Aroclor 1254	µg/kg	5.1	21	22.7	**22 J**
		Aroclor 1260	µg/kg	4.9	21	22.7	**16 J**
		Aroclor 1262	µg/kg	5.2	21	22.7	ND
		Total PCBs	µg/kg	6.1	21	22.7	**38 J**

Notes:
Detections are indicated in **bold**
MDL - Method Detection Limit
ND - Analyte not detected at or above the method detection limit
Reporting Limit - lowest concentration for which quantitative data are reported
TMDL Limit - Numeric Target specified by the MDR Harbor Toxics TMDL
* TMDL Limit of 22.7 µg/kg for PCBs is for Total PCBs
µg/kg - microgram per kilogram, dry weight basis
J - Qualifier indicates value is between the reporting limit and the MDL, value is estimate

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Benthic Sediments Monthly Effectiveness Monitoring
2014 - 2015

MONTHLY SUMMARY REPORT: December 2014
DRY WEATHER

Sample Date	Station Information	Organics	Units	MDL	Reporting Limit	TMDL Limit*	Concentration
12/11/2014	MdRH-B-1 Back Harbor Basin D Saltwater Sediment	Chlordane	µg/kg	0.35	1.1	0.50	ND
		Aroclor 1016	µg/kg	16	55	22.7	ND
		Aroclor 1221	µg/kg	14	55	22.7	ND
		Aroclor 1232	µg/kg	12	55	22.7	ND
		Aroclor 1242	µg/kg	14	55	22.7	ND
		Aroclor 1248	µg/kg	16	55	22.7	ND
		Aroclor 1254	µg/kg	13	55	22.7	**16 J**
		Aroclor 1260	µg/kg	13	55	22.7	**13 J**
		Aroclor 1262	µg/kg	13	55	22.7	ND
		Total PCBs	µg/kg	16	55	22.7	**29 J**
12/11/2014	MdRH-B-2 Back Harbor Basin E Saltwater Sediment	Chlordane	µg/kg	0.47	1.5	0.50	ND
		Aroclor 1016	µg/kg	8.3	29	22.7	ND
		Aroclor 1221	µg/kg	7.5	29	22.7	ND
		Aroclor 1232	µg/kg	6.2	29	22.7	ND
		Aroclor 1242	µg/kg	7.2	29	22.7	ND
		Aroclor 1248	µg/kg	8.3	29	22.7	ND
		Aroclor 1254	µg/kg	7.0	29	22.7	**14 J**
		Aroclor 1260	µg/kg	6.7	29	22.7	**11 J**
		Aroclor 1262	µg/kg	7.1	29	22.7	ND
		Total PCBs	µg/kg	8.3	29	22.7	**25 J**
12/11/2014	MdRH-B-3 Back Harbor Basin F Saltwater Sediment	Chlordane	µg/kg	0.41	1.3	0.50	ND
		Aroclor 1016	µg/kg	7.2	25	22.7	ND
		Aroclor 1221	µg/kg	6.5	25	22.7	ND
		Aroclor 1232	µg/kg	5.4	25	22.7	ND
		Aroclor 1242	µg/kg	6.3	25	22.7	ND
		Aroclor 1248	µg/kg	7.3	25	22.7	ND
		Aroclor 1254	µg/kg	6.1	25	22.7	**11 J**
		Aroclor 1260	µg/kg	5.8	25	22.7	**6.9 J**
		Aroclor 1262	µg/kg	6.2	25	22.7	ND
		Total PCBs	µg/kg	7.3	25	22.7	**17.9 J**
12/11/2014	MdRH-B-4 Back Harbor Basin - End of Channel Saltwater Sediment	Chlordane	µg/kg	0.33	1.0	0.50	ND
		Aroclor 1016	µg/kg	5.9	21	22.7	ND
		Aroclor 1221	µg/kg	5.3	21	22.7	ND
		Aroclor 1232	µg/kg	4.4	21	22.7	ND
		Aroclor 1242	µg/kg	5.1	21	22.7	ND
		Aroclor 1248	µg/kg	5.9	21	22.7	ND
		Aroclor 1254	µg/kg	5.0	21	22.7	**11 J**
		Aroclor 1260	µg/kg	4.8	21	22.7	**8.5 J**
		Aroclor 1262	µg/kg	5.1	21	22.7	ND
		Total PCBs	µg/kg	5.9	21	22.7	**19.5 J**

Notes:
Detections are indicated in **bold**
MDL - Method Detection Limit
ND - Analyte not detected at or above the method detection limit
Reporting Limit - lowest concentration for which quantitative data are reported
TMDL Limit - Numeric Target specified by the MDR Harbor Toxics TMDL
* TMDL Limit of 22.7 µg/kg for PCBs is for Total PCBs
µg/kg - microgram per kilogram, dry weight basis
J - Qualifier indicates value is between the reporting limit and the MDL, value is estimate

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Benthic Sediments Monthly Effectiveness Monitoring
2014 - 2015

MONTHLY SUMMARY REPORT: January 2015
DRY WEATHER

Sample Date	Station Information	Organics	Units	MDL	Reporting Limit	TMDL Limit*	Concentration
1/8/2015	MdRH-B-1 Back Harbor Basin D Saltwater Sediment	Chlordane	µg/kg	0.32	1.0	0.50	ND
		Aroclor 1016	µg/kg	5.7	20	22.7	ND
		Aroclor 1221	µg/kg	5.2	20	22.7	ND
		Aroclor 1232	µg/kg	4.3	20	22.7	ND
		Aroclor 1242	µg/kg	5.0	20	22.7	ND
		Aroclor 1248	µg/kg	5.8	20	22.7	ND
		Aroclor 1254	µg/kg	4.8	20	22.7	**31**
		Aroclor 1260	µg/kg	4.6	20	22.7	**32**
		Aroclor 1262	µg/kg	4.9	20	22.7	ND
		Total PCBs	µg/kg	5.8	20	22.7	**63**
1/8/2015	MdRH-B-2 Back Harbor Basin E Saltwater Sediment	Chlordane	µg/kg	0.45	1.4	0.50	ND
		Aroclor 1016	µg/kg	7.9	28	22.7	ND
		Aroclor 1221	µg/kg	7.2	28	22.7	ND
		Aroclor 1232	µg/kg	6.0	28	22.7	ND
		Aroclor 1242	µg/kg	6.9	28	22.7	ND
		Aroclor 1248	µg/kg	8.0	28	22.7	ND
		Aroclor 1254	µg/kg	6.7	28	22.7	**24 J**
		Aroclor 1260	µg/kg	6.4	28	22.7	**19 J**
		Aroclor 1262	µg/kg	6.8	28	22.7	ND
		Total PCBs	µg/kg	8.0	28	22.7	**43 J**
1/8/2015	MdRH-B-3 Back Harbor Basin F Saltwater Sediment	Chlordane	µg/kg	0.42	1.3	0.50	ND
		Aroclor 1016	µg/kg	7.4	26	22.7	ND
		Aroclor 1221	µg/kg	6.7	26	22.7	ND
		Aroclor 1232	µg/kg	5.5	26	22.7	ND
		Aroclor 1242	µg/kg	6.4	26	22.7	ND
		Aroclor 1248	µg/kg	7.4	26	22.7	ND
		Aroclor 1254	µg/kg	6.2	26	22.7	**30**
		Aroclor 1260	µg/kg	6.0	26	22.7	**23 J**
		Aroclor 1262	µg/kg	6.4	26	22.7	ND
		Total PCBs	µg/kg	7.4	26	22.7	**53 J**
1/8/2015	MdRH-B-4 Back Harbor Basin - End of Channel Saltwater Sediment	Chlordane	µg/kg	0.35	1.1	0.50	ND
		Aroclor 1016	µg/kg	6.1	21	22.7	ND
		Aroclor 1221	µg/kg	5.6	21	22.7	ND
		Aroclor 1232	µg/kg	4.6	21	22.7	ND
		Aroclor 1242	µg/kg	5.3	21	22.7	ND
		Aroclor 1248	µg/kg	6.2	21	22.7	ND
		Aroclor 1254	µg/kg	5.2	21	22.7	**51**
		Aroclor 1260	µg/kg	5.0	21	22.7	**190** [1]
		Aroclor 1262	µg/kg	5.3	21	22.7	ND
		Total PCBs	µg/kg	6.2	21	22.7	**241**

Notes:
Detections are indicated in **bold**
MDL - Method Detection Limit
ND - Analyte not detected at or above the method detection limi
Reporting Limit - lowest concentration for which quantitative data are reportec
TMDL Limit - Numeric Target specified by the MDR Harbor Toxics TMDL
* TMDL Limit of 22.7 µg/kg for PCBs is for Total PCBs
µg/kg - microgram per kilogram, dry weight basis
J - Qualifier indicates value is between the reporting limit and the MDL, value is estimate
[1] Indicates an anomalous result

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Benthic Sediments Monthly Effectiveness Monitoring
2014 - 2015

MONTHLY SUMMARY REPORT: February 2015
DRY WEATHER

Sample Date	Station Information	Organics	Units	MDL	Reporting Limit	TMDL Limit*	Concentration
2/5/2015	MdRH-B-1 Back Harbor Basin D Saltwater Sediment	Chlordane	µg/kg	0.33	1.0	0.50	ND
		Aroclor 1016	µg/kg	5.8	20	22.7	ND
		Aroclor 1221	µg/kg	5.3	20	22.7	ND
		Aroclor 1232	µg/kg	4.4	20	22.7	ND
		Aroclor 1242	µg/kg	5.1	20	22.7	ND
		Aroclor 1248	µg/kg	5.9	20	22.7	ND
		Aroclor 1254	µg/kg	4.9	20	22.7	**20 J**
		Aroclor 1260	µg/kg	4.7	20	22.7	**9.6 J**
		Aroclor 1262	µg/kg	5.0	20	22.7	ND
		Total PCBs	µg/kg	5.9	20	22.7	**29.6 J**
2/5/2015	MdRH-B-2 Back Harbor Basin E Saltwater Sediment	Chlordane	µg/kg	0.47	1.4	0.50	ND
		Aroclor 1016	µg/kg	8.2	29	22.7	ND
		Aroclor 1221	µg/kg	7.5	29	22.7	ND
		Aroclor 1232	µg/kg	6.2	29	22.7	ND
		Aroclor 1242	µg/kg	7.2	29	22.7	ND
		Aroclor 1248	µg/kg	8.3	29	22.7	ND
		Aroclor 1254	µg/kg	7.0	29	22.7	**24 J**
		Aroclor 1260	µg/kg	6.7	29	22.7	**16 J**
		Aroclor 1262	µg/kg	7.1	29	22.7	ND
		Total PCBs	µg/kg	8.3	29	22.7	**40 J**
2/5/2015	MdRH-B-3 Back Harbor Basin F Saltwater Sediment	Chlordane	µg/kg	0.40	1.2	0.50	ND
		Aroclor 1016	µg/kg	7.1	25	22.7	ND
		Aroclor 1221	µg/kg	6.4	25	22.7	ND
		Aroclor 1232	µg/kg	5.3	25	22.7	ND
		Aroclor 1242	µg/kg	6.2	25	22.7	ND
		Aroclor 1248	µg/kg	7.2	25	22.7	ND
		Aroclor 1254	µg/kg	6.0	25	22.7	**35**
		Aroclor 1260	µg/kg	5.7	25	22.7	**19 J**
		Aroclor 1262	µg/kg	6.1	25	22.7	ND
		Total PCBs	µg/kg	7.2	25	22.7	**54 J**
2/5/2015	MdRH-B-4 Back Harbor Basin - End of Channel Saltwater Sediment	Chlordane	µg/kg	0.34	1.1	0.50	ND
		Aroclor 1016	µg/kg	6.1	21	22.7	ND
		Aroclor 1221	µg/kg	5.5	21	22.7	ND
		Aroclor 1232	µg/kg	4.6	21	22.7	ND
		Aroclor 1242	µg/kg	5.3	21	22.7	ND
		Aroclor 1248	µg/kg	6.1	21	22.7	ND
		Aroclor 1254	µg/kg	5.1	21	22.7	**19 J**
		Aroclor 1260	µg/kg	4.9	21	22.7	**11 J**
		Aroclor 1262	µg/kg	5.2	21	22.7	ND
		Total PCBs	µg/kg	6.1	21	22.7	**30 J**

Notes:
Detections are indicated in **bold**
MDL - Method Detection Limit
ND - Analyte not detected at or above the method detection limit
Reporting Limit - lowest concentration for which quantitative data are reported
TMDL Limit - Numeric Target specified by the MDR Harbor Toxics TMDL
* TMDL Limit of 22.7 µg/kg for PCBs is for Total PCBs
µg/kg - microgram per kilogram, dry weight basis
J - Qualifier indicates value is between the reporting limit and the MDL, value is estimate

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Benthic Sediments Monthly Effectiveness Monitoring
2014 - 2015

MONTHLY SUMMARY REPORT: March 2015
DRY WEATHER

Sample Date	Station Information	Organics	Units	MDL	Reporting Limit	TMDL Limit*	Concentration
3/6/2015	MdRH-B-1	Chlordane	µg/kg	0.32	1.0	0.50	ND
	Back Harbor	Aroclor 1016	µg/kg	5.7	20	22.7	ND
	Basin D	Aroclor 1221	µg/kg	5.1	20	22.7	ND
	Saltwater Sediment	Aroclor 1232	µg/kg	4.3	20	22.7	ND
		Aroclor 1242	µg/kg	5.0	20	22.7	ND
		Aroclor 1248	µg/kg	5.7	20	22.7	ND
		Aroclor 1254	µg/kg	4.8	20	22.7	**12 J**
		Aroclor 1260	µg/kg	4.6	20	22.7	**12 J**
		Aroclor 1262	µg/kg	4.9	20	22.7	ND
		Total PCBs	µg/kg	5.7	20	22.7	**24 J**
3/6/2015	MdRH-B-2	Chlordane	µg/kg	0.45	1.4	0.50	ND
	Back Harbor	Aroclor 1016	µg/kg	8.0	28	22.7	ND
	Basin E	Aroclor 1221	µg/kg	7.3	28	22.7	ND
	Saltwater Sediment	Aroclor 1232	µg/kg	6.0	28	22.7	ND
		Aroclor 1242	µg/kg	7.0	28	22.7	ND
		Aroclor 1248	µg/kg	8.1	28	22.7	ND
		Aroclor 1254	µg/kg	6.8	28	22.7	**22 J**
		Aroclor 1260	µg/kg	6.5	28	22.7	**10 J**
		Aroclor 1262	µg/kg	6.9	28	22.7	ND
		Total PCBs	µg/kg	8.1	28	22.7	**32 J**
3/6/2015	MdRH-B-3	Chlordane	µg/kg	0.41	1.3	0.50	ND
	Back Harbor	Aroclor 1016	µg/kg	7.2	25	22.7	ND
	Basin F	Aroclor 1221	µg/kg	6.6	25	22.7	ND
	Saltwater Sediment	Aroclor 1232	µg/kg	5.4	25	22.7	ND
		Aroclor 1242	µg/kg	6.3	25	22.7	ND
		Aroclor 1248	µg/kg	7.3	25	22.7	ND
		Aroclor 1254	µg/kg	6.1	25	22.7	**35**
		Aroclor 1260	µg/kg	5.9	25	22.7	**14 J**
		Aroclor 1262	µg/kg	6.3	25	22.7	ND
		Total PCBs	µg/kg	7.3	25	22.7	**49 J**
3/6/2015	MdRH-B-4	Chlordane	µg/kg	0.34	1.1	0.50	ND
	Back Harbor	Aroclor 1016	µg/kg	6.1	21	22.7	ND
	Basin - End of Channel	Aroclor 1221	µg/kg	5.5	21	22.7	ND
	Saltwater Sediment	Aroclor 1232	µg/kg	4.6	21	22.7	ND
		Aroclor 1242	µg/kg	5.3	21	22.7	ND
		Aroclor 1248	µg/kg	6.2	21	22.7	ND
		Aroclor 1254	µg/kg	5.1	21	22.7	**55**
		Aroclor 1260	µg/kg	4.9	21	22.7	**34**
		Aroclor 1262	µg/kg	5.3	21	22.7	ND
		Total PCBs	µg/kg	6.2	21	22.7	**89**

Notes:
Detections are indicated in **bold**
MDL - Method Detection Limit
ND - Analyte not detected at or above the method detection limit
Reporting Limit - lowest concentration for which quantitative data are reported
TMDL Limit - Numeric Target specified by the MDR Harbor Toxics TMDL
* TMDL Limit of 22.7 µg/kg for PCBs is for Total PCBs
µg/kg - microgram per kilogram, dry weight basis
J - Qualifier indicates value is between the reporting limit and the MDL, value is estimate

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Benthic Sediments Monthly Effectiveness Monitoring
2014 - 2015

MONTHLY SUMMARY REPORT: April 2015
DRY WEATHER

Sample Date	Station Information	Organics	Units	MDL	Reporting Limit	TMDL Limit*	Concentration
4/16/2015	MdRH-B-1 Back Harbor Basin D Saltwater Sediment	Chlordane	µg/kg	0.33	1.0	0.50	ND
		Aroclor 1016	µg/kg	8.5	20	22.7	ND
		Aroclor 1221	µg/kg	17	20	22.7	ND
		Aroclor 1232	µg/kg	10	20	22.7	ND
		Aroclor 1242	µg/kg	10	20	22.7	ND
		Aroclor 1248	µg/kg	13	20	22.7	ND
		Aroclor 1254	µg/kg	13	20	22.7	**87**
		Aroclor 1260	µg/kg	13	20	22.7	**100**
		Aroclor 1262	µg/kg	13	20	22.7	ND
		Total PCBs	µg/kg	17	20	22.7	**187**
4/16/2015	MdRH-B-2 Back Harbor Basin E Saltwater Sediment	Chlordane	µg/kg	0.48	1.5	0.50	ND
		Aroclor 1016	µg/kg	12	30	22.7	ND
		Aroclor 1221	µg/kg	25	30	22.7	ND
		Aroclor 1232	µg/kg	15	30	22.7	ND
		Aroclor 1242	µg/kg	15	30	22.7	ND
		Aroclor 1248	µg/kg	19	30	22.7	ND
		Aroclor 1254	µg/kg	19	30	22.7	**98**
		Aroclor 1260	µg/kg	19	30	22.7	**100**
		Aroclor 1262	µg/kg	19	30	22.7	ND
		Total PCBs	µg/kg	25	30	22.7	**198**
4/16/2015	MdRH-B-3 Back Harbor Basin F Saltwater Sediment	Chlordane	µg/kg	0.39	1.2	0.50	ND
		Aroclor 1016	µg/kg	10	24	22.7	ND
		Aroclor 1221	µg/kg	20	24	22.7	ND
		Aroclor 1232	µg/kg	12	24	22.7	ND
		Aroclor 1242	µg/kg	12	24	22.7	ND
		Aroclor 1248	µg/kg	15	24	22.7	ND
		Aroclor 1254	µg/kg	15	24	22.7	**130**
		Aroclor 1260	µg/kg	15	24	22.7	**120**
		Aroclor 1262	µg/kg	16	24	22.7	ND
		Total PCBs	µg/kg	20	24	22.7	**250**
4/16/2015	MdRH-B-4 Back Harbor Basin - End of Channel Saltwater Sediment	Chlordane	µg/kg	0.34	1.1	0.50	ND
		Aroclor 1016	µg/kg	8.8	21	22.7	ND
		Aroclor 1221	µg/kg	18	21	22.7	ND
		Aroclor 1232	µg/kg	11	21	22.7	ND
		Aroclor 1242	µg/kg	11	21	22.7	ND
		Aroclor 1248	µg/kg	14	21	22.7	ND
		Aroclor 1254	µg/kg	13	21	22.7	**200**
		Aroclor 1260	µg/kg	13	21	22.7	**420**
		Aroclor 1262	µg/kg	14	21	22.7	ND
		Total PCBs	µg/kg	18	21	22.7	**620**

Notes:
Detections are indicated in **bold**
MDL - Method Detection Limit
ND - Analyte not detected at or above the method detection limit
Reporting Limit - lowest concentration for which quantitative data are reported
TMDL Limit - Numeric Target specified by the MDR Harbor Toxics TMDL
* TMDL Limit of 22.7 µg/kg for PCBs is for Total PCBs
µg/kg - microgram per kilogram, dry weight basis

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Benthic Sediments Monthly Effectiveness Monitoring
2014 - 2015

MONTHLY SUMMARY REPORT: May 2015
DRY WEATHER

Sample Date	Station Information	Organics	Units	MDL	Reporting Limit	TMDL Limit*	Concentration
5/14/2015	MdRH-B-1 Back Harbor Basin D Saltwater Sediment	Chlordane	µg/kg	0.33	1.0	0.50	ND
		Aroclor 1016	µg/kg	8.4	20	22.7	ND
		Aroclor 1221	µg/kg	17	20	22.7	ND
		Aroclor 1232	µg/kg	10	20	22.7	ND
		Aroclor 1242	µg/kg	10	20	22.7	ND
		Aroclor 1248	µg/kg	13	20	22.7	ND
		Aroclor 1254	µg/kg	13	20	22.7	**34**
		Aroclor 1260	µg/kg	13	20	22.7	**61**
		Aroclor 1262	µg/kg	13	20	22.7	ND
		Total PCBs	µg/kg	17	20	22.7	**95**
5/14/2015	MdRH-B-2 Back Harbor Basin E Saltwater Sediment	Chlordane	µg/kg	0.45	1.4	0.50	ND
		Aroclor 1016	µg/kg	12	28	22.7	ND
		Aroclor 1221	µg/kg	24	28	22.7	ND
		Aroclor 1232	µg/kg	14	28	22.7	ND
		Aroclor 1242	µg/kg	14	28	22.7	ND
		Aroclor 1248	µg/kg	18	28	22.7	ND
		Aroclor 1254	µg/kg	18	28	22.7	**57**
		Aroclor 1260	µg/kg	18	28	22.7	**110**
		Aroclor 1262	µg/kg	18	28	22.7	ND
		Total PCBs	µg/kg	24	28	22.7	**167**
5/14/2015	MdRH-B-3 Back Harbor Basin F Saltwater Sediment	Chlordane	µg/kg	0.39	1.2	0.50	ND
		Aroclor 1016	µg/kg	10	24	22.7	ND
		Aroclor 1221	µg/kg	21	24	22.7	ND
		Aroclor 1232	µg/kg	12	24	22.7	ND
		Aroclor 1242	µg/kg	12	24	22.7	ND
		Aroclor 1248	µg/kg	16	24	22.7	ND
		Aroclor 1254	µg/kg	15	24	22.7	**50**
		Aroclor 1260	µg/kg	15	24	22.7	**90**
		Aroclor 1262	µg/kg	16	24	22.7	ND
		Total PCBs	µg/kg	21	24	22.7	**140**
5/14/2015	MdRH-B-4 Back Harbor Basin - End of Channel Saltwater Sediment	Chlordane	µg/kg	0.33	1.0	0.50	ND
		Aroclor 1016	µg/kg	8.5	20	22.7	ND
		Aroclor 1221	µg/kg	17	20	22.7	ND
		Aroclor 1232	µg/kg	10	20	22.7	ND
		Aroclor 1242	µg/kg	10	20	22.7	ND
		Aroclor 1248	µg/kg	13	20	22.7	ND
		Aroclor 1254	µg/kg	13	20	22.7	**34**
		Aroclor 1260	µg/kg	13	20	22.7	**65**
		Aroclor 1262	µg/kg	13	20	22.7	ND
		Total PCBs	µg/kg	17	20	22.7	**99**

Notes:
Detections are indicated in **bold**
MDL - Method Detection Limit
ND - Analyte not detected at or above the method detection limit
Reporting Limit - lowest concentration for which quantitative data are reported
TMDL Limit - Numeric Target specified by the MDR Harbor Toxics TMDL
* TMDL Limit of 22.7 µg/kg for PCBs is for Total PCBs
µg/kg - microgram per kilogram, dry weight basis

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Benthic Sediments Monthly Effectiveness Monitoring
2014 - 2015

MONTHLY SUMMARY REPORT: June 2015
DRY WEATHER

Sample Date	Station Information	Organics	Units	MDL	Reporting Limit	TMDL Limit*	Concentration
6/4/2015	MdRH-B-1 Back Harbor Basin D Saltwater Sediment	Chlordane	µg/kg	0.35	1.1	0.50	ND
		Aroclor 1016	µg/kg	8.9	21	22.7	ND
		Aroclor 1221	µg/kg	18	21	22.7	ND
		Aroclor 1232	µg/kg	11	21	22.7	ND
		Aroclor 1242	µg/kg	11	21	22.7	ND
		Aroclor 1248	µg/kg	14	21	22.7	ND
		Aroclor 1254	µg/kg	14	21	22.7	**36**
		Aroclor 1260	µg/kg	14	21	22.7	**52**
		Aroclor 1262	µg/kg	14	21	22.7	ND
		Total PCBs	µg/kg	18	21	22.7	**88**
6/4/2015	MdRH-B-2 Back Harbor Basin E Saltwater Sediment	Chlordane	µg/kg	0.45	1.4	0.50	ND
		Aroclor 1016	µg/kg	12	28	22.7	ND
		Aroclor 1221	µg/kg	24	28	22.7	ND
		Aroclor 1232	µg/kg	14	28	22.7	ND
		Aroclor 1242	µg/kg	14	28	22.7	ND
		Aroclor 1248	µg/kg	18	28	22.7	ND
		Aroclor 1254	µg/kg	18	28	22.7	**48**
		Aroclor 1260	µg/kg	18	28	22.7	**64**
		Aroclor 1262	µg/kg	18	28	22.7	ND
		Total PCBs	µg/kg	24	28	22.7	**112**
6/4/2015	MdRH-B-3 Back Harbor Basin F Saltwater Sediment	Chlordane	µg/kg	0.43	1.3	0.50	ND
		Aroclor 1016	µg/kg	11	27	22.7	ND
		Aroclor 1221	µg/kg	23	27	22.7	ND
		Aroclor 1232	µg/kg	14	27	22.7	ND
		Aroclor 1242	µg/kg	14	27	22.7	ND
		Aroclor 1248	µg/kg	17	27	22.7	ND
		Aroclor 1254	µg/kg	17	27	22.7	**47**
		Aroclor 1260	µg/kg	17	27	22.7	**67**
		Aroclor 1262	µg/kg	18	27	22.7	ND
		Total PCBs	µg/kg	23	27	22.7	**114**
6/4/2015	MdRH-B-4 Back Harbor Basin - End of Channel Saltwater Sediment	Chlordane	µg/kg	0.35	1.1	0.50	ND
		Aroclor 1016	µg/kg	9.0	22	22.7	ND
		Aroclor 1221	µg/kg	18	22	22.7	ND
		Aroclor 1232	µg/kg	11	22	22.7	ND
		Aroclor 1242	µg/kg	11	22	22.7	ND
		Aroclor 1248	µg/kg	14	22	22.7	ND
		Aroclor 1254	µg/kg	14	22	22.7	**27**
		Aroclor 1260	µg/kg	14	22	22.7	**41**
		Aroclor 1262	µg/kg	14	22	22.7	ND
		Total PCBs	µg/kg	18	22	22.7	**68**

Notes:
Detections are indicated in **bold**
MDL - Method Detection Limit
ND - Analyte not detected at or above the method detection limit
Reporting Limit - lowest concentration for which quantitative data are reported
TMDL Limit - Numeric Target specified by the MDR Harbor Toxics TMDL
* TMDL Limit of 22.7 µg/kg for PCBs is for Total PCBs
µg/kg - microgram per kilogram, dry weight basis

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Benthic Sediments Monthly Effectiveness Monitoring
2014 - 2015

MONTHLY SUMMARY REPORT: July 2015
DRY WEATHER

Sample Date	Station Information	Organics	Units	MDL	Reporting Limit	TMDL Limit*	Concentration
7/28/2015	MdRH-B-1 Back Harbor Basin D Saltwater Sediment	Chlordane	µg/kg	0.31	0.98	0.50	ND
		Aroclor 1016	µg/kg	8.1	19	22.7	ND
		Aroclor 1221	µg/kg	16	19	22.7	ND
		Aroclor 1232	µg/kg	9.8	19	22.7	ND
		Aroclor 1242	µg/kg	9.9	19	22.7	ND
		Aroclor 1248	µg/kg	12	19	22.7	ND
		Aroclor 1254	µg/kg	12	19	22.7	**47**
		Aroclor 1260	µg/kg	12	19	22.7	**46**
		Aroclor 1262	µg/kg	13	19	22.7	ND
		Total PCBs	µg/kg	16	19	22.7	**93**
7/28/2015	MdRH-B-2 Back Harbor Basin E Saltwater Sediment	Chlordane	µg/kg	0.46	1.4	0.50	ND
		Aroclor 1016	µg/kg	12	28	22.7	ND
		Aroclor 1221	µg/kg	24	28	22.7	ND
		Aroclor 1232	µg/kg	14	28	22.7	ND
		Aroclor 1242	µg/kg	15	28	22.7	ND
		Aroclor 1248	µg/kg	18	28	22.7	ND
		Aroclor 1254	µg/kg	18	28	22.7	**35**
		Aroclor 1260	µg/kg	18	28	22.7	**23 J**
		Aroclor 1262	µg/kg	19	28	22.7	ND
		Total PCBs	µg/kg	24	28	22.7	**58**
7/28/2015	MdRH-B-3 Back Harbor Basin F Saltwater Sediment	Chlordane	µg/kg	0.40	1.2	0.50	ND
		Aroclor 1016	µg/kg	10	25	22.7	ND
		Aroclor 1221	µg/kg	21	25	22.7	ND
		Aroclor 1232	µg/kg	12	25	22.7	ND
		Aroclor 1242	µg/kg	13	25	22.7	ND
		Aroclor 1248	µg/kg	16	25	22.7	ND
		Aroclor 1254	µg/kg	16	25	22.7	**91**
		Aroclor 1260	µg/kg	16	25	22.7	**86**
		Aroclor 1262	µg/kg	16	25	22.7	ND
		Total PCBs	µg/kg	21	25	22.7	**177**
7/28/2015	MdRH-B-4 Back Harbor Basin - End of Channel Saltwater Sediment	Chlordane	µg/kg	0.33	1.0	0.50	ND
		Aroclor 1016	µg/kg	8.5	20	22.7	ND
		Aroclor 1221	µg/kg	17	20	22.7	ND
		Aroclor 1232	µg/kg	10	20	22.7	ND
		Aroclor 1242	µg/kg	10	20	22.7	ND
		Aroclor 1248	µg/kg	13	20	22.7	ND
		Aroclor 1254	µg/kg	13	20	22.7	**52**
		Aroclor 1260	µg/kg	13	20	22.7	**59**
		Aroclor 1262	µg/kg	13	20	22.7	ND
		Total PCBs	µg/kg	17	20	22.7	**111**

Notes:
Detections are indicated in **bold**
MDL - Method Detection Limit
ND - Analyte not detected at or above the method detection limit
Reporting Limit - lowest concentration for which quantitative data are reported
TMDL Limit - Numeric Target specified by the MDR Harbor Toxics TMDL
* TMDL Limit of 22.7 µg/kg for PCBs is for Total PCBs
µg/kg - microgram per kilogram, dry weight basis
J - Qualifier indicates value is between the reporting limit and the MDL, value is estimate

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Benthic Sediments Monthly Effectiveness Monitoring
2014 - 2015

MONTHLY SUMMARY REPORT: August 2014 DRY WEATHER						
Sample Date	**Station Information**	**Measurement**	**Units**	**MDL**	**Reporting Limit**	**Concentration**
8/29/2014	MdRH-B-1	Percent Solids	percent	0.100	0.100	**49.5**
	Back Harbor	Total Organic Carbon	mg/kg	240	1,000	**13,000**
	Basin D	Clay	percent	NA	0.01	**15.99**
	Saltwater Sediment	Silt	percent	NA	0.01	**84.00**
		Sand	percent	NA	0.01	**0.010**
		Gravel	percent	NA	0.01	ND
8/29/2014	MdRH-B-2	Percent Solids	percent	0.100	0.100	**35.4**
	Back Harbor	Total Organic Carbon	mg/kg	340	1,400	**18,000**
	Basin E	Clay	percent	NA	0.01	**16.65**
	Saltwater Sediment	Silt	percent	NA	0.01	**79.01**
		Sand	percent	NA	0.01	**4.35**
		Gravel	percent	NA	0.01	ND
8/29/2014	MdRH-B-3	Percent Solids	percent	0.100	0.100	**38.7**
	Back Harbor	Total Organic Carbon	mg/kg	310	1,300	**16,000**
	Basin F	Clay	percent	NA	0.01	**15.08**
	Saltwater Sediment	Silt	percent	NA	0.01	**76.56**
		Sand	percent	NA	0.01	**8.37**
		Gravel	percent	NA	0.01	ND
8/29/2014	MdRH-B-4	Percent Solids	percent	0.100	0.100	**49.8**
	Back Harbor	Total Organic Carbon	mg/kg	240	1,000	**12,000**
	Basin - End of Channel	Clay	percent	NA	0.01	**8.70**
	Saltwater Sediment	Silt	percent	NA	0.01	**64.42**
		Sand	percent	NA	0.01	**26.88**
		Gravel	percent	NA	0.01	ND

Notes:

Detections are indicated in **bold**

MDL - Method Detection Limit

NA - Not Applicable

ND - Analyte not detected at or above the Reporting Limit

Reporting Limit - Lowest concentration for which quantitative data are reported

mg/kg - milligram per kilogram, dry weight basis

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Benthic Sediments Monthly Effectiveness Monitoring
2014 - 2015

MONTHLY SUMMARY REPORT: September 2014 DRY WEATHER						
Sample Date	**Station Information**	**Measurement**	**Units**	**MDL**	**Reporting Limit**	**Concentration**
9/18/2014	MdRH-B-1	Percent Solids	percent	0.100	0.100	**47.8**
	Back Harbor	Total Organic Carbon	mg/kg	250	1,000	**14,000**
	Basin D	Clay	percent	NA	0.01	**12.79**
	Saltwater Sediment	Silt	percent	NA	0.01	**77.61**
		Sand	percent	NA	0.01	**9.60**
		Gravel	percent	NA	0.01	ND
9/18/2014	MdRH-B-2	Percent Solids	percent	0.100	0.100	**34.9**
	Back Harbor	Total Organic Carbon	mg/kg	350	1,400	**21,000**
	Basin E	Clay	percent	NA	0.01	**18.38**
	Saltwater Sediment	Silt	percent	NA	0.01	**75.94**
		Sand	percent	NA	0.01	**5.68**
		Gravel	percent	NA	0.01	ND
9/18/2014	MdRH-B-3	Percent Solids	percent	0.100	0.100	**40.7**
	Back Harbor	Total Organic Carbon	mg/kg	300	1,200	**18,000**
	Basin F	Clay	percent	NA	0.01	**16.49**
	Saltwater Sediment	Silt	percent	NA	0.01	**75.14**
		Sand	percent	NA	0.01	**8.38**
		Gravel	percent	NA	0.01	ND
9/18/2014	MdRH-B-4	Percent Solids	percent	0.100	0.100	**48.2**
	Back Harbor	Total Organic Carbon	mg/kg	250	1,000	**15,000**
	Basin - End of Channel	Clay	percent	NA	0.01	**14.55**
	Saltwater Sediment	Silt	percent	NA	0.01	**75.88**
		Sand	percent	NA	0.01	**9.56**
		Gravel	percent	NA	0.01	ND

Notes:

Detections are indicated in **bold**

MDL - Method Detection Limit

NA - Not Applicable

ND - Analyte not detected at or above the Reporting Limit

Reporting Limit - Lowest concentration for which quantitative data are reported

mg/kg - milligram per kilogram, dry weight basis

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Benthic Sediments Monthly Effectiveness Monitoring
2014 - 2015

MONTHLY SUMMARY REPORT: October 2014 DRY WEATHER						
Sample Date	**Station Information**	**Measurement**	**Units**	**MDL**	**Reporting Limit**	**Concentration**
10/22/2014	MdRH-B-1	Percent Solids	percent	0.100	0.100	**47.8**
	Back Harbor	Total Organic Carbon	mg/kg	250	1,000	**13,000**
	Basin D	Clay	percent	NA	0.01	**12.60**
	Saltwater Sediment	Silt	percent	NA	0.01	**79.08**
		Sand	percent	NA	0.01	**8.32**
		Gravel	percent	NA	0.01	ND
10/22/2014	MdRH-B-2	Percent Solids	percent	0.100	0.100	**34.4**
	Back Harbor	Total Organic Carbon	mg/kg	350	1,500	**21,000**
	Basin E	Clay	percent	NA	0.01	**14.32**
	Saltwater Sediment	Silt	percent	NA	0.01	**73.88**
		Sand	percent	NA	0.01	**11.79**
		Gravel	percent	NA	0.01	ND
10/22/2014	MdRH-B-3	Percent Solids	percent	0.100	0.100	**38.6**
	Back Harbor	Total Organic Carbon	mg/kg	310	1,300	**19,000**
	Basin F	Clay	percent	NA	0.01	**13.53**
	Saltwater Sediment	Silt	percent	NA	0.01	**77.78**
		Sand	percent	NA	0.01	**8.69**
		Gravel	percent	NA	0.01	ND
10/22/2014	MdRH-B-4	Percent Solids	percent	0.100	0.100	**46.3**
	Back Harbor	Total Organic Carbon	mg/kg	260	1,100	**16,000**
	Basin - End of Channel	Clay	percent	NA	0.01	**12.41**
	Saltwater Sediment	Silt	percent	NA	0.01	**75.96**
		Sand	percent	NA	0.01	**11.63**
		Gravel	percent	NA	0.01	ND

Notes:

Detections are indicated in **bold**

MDL - Method Detection Limit

NA - Not Applicable

ND - Analyte not detected at or above the Reporting Limit

Reporting Limit - Lowest concentration for which quantitative data are reported

mg/kg - milligram per kilogram, dry weight basis

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Benthic Sediments Monthly Effectiveness Monitoring
2014 - 2015

MONTHLY SUMMARY REPORT: November 2014 DRY WEATHER						
Sample Date	**Station Information**	**Measurement**	**Units**	**MDL**	**Reporting Limit**	**Concentration**
11/13/2014	MdRH-B-1	Percent Solids	percent	0.100	0.100	**51.1**
	Back Harbor	Total Organic Carbon	mg/kg	240	980	**14,000**
	Basin D	Clay	percent	NA	0.01	**8.85**
	Saltwater Sediment	Silt	percent	NA	0.01	**70.37**
		Sand	percent	NA	0.01	**20.78**
		Gravel	percent	NA	0.01	ND
11/13/2014	MdRH-B-2	Percent Solids	percent	0.100	0.100	**36.5**
	Back Harbor	Total Organic Carbon	mg/kg	330	1,400	**20,000**
	Basin E	Clay	percent	NA	0.01	**11.96**
	Saltwater Sediment	Silt	percent	NA	0.01	**80.85**
		Sand	percent	NA	0.01	**7.19**
		Gravel	percent	NA	0.01	ND
11/13/2014	MdRH-B-3	Percent Solids	percent	0.100	0.100	**39.1**
	Back Harbor	Total Organic Carbon	mg/kg	310	1,300	**20,000**
	Basin F	Clay	percent	NA	0.01	**9.86**
	Saltwater Sediment	Silt	percent	NA	0.01	**69.30**
		Sand	percent	NA	0.01	**20.84**
		Gravel	percent	NA	0.01	ND
11/13/2014	MdRH-B-4	Percent Solids	percent	0.100	0.100	**47.5**
	Back Harbor	Total Organic Carbon	mg/kg	260	1,100	**14,000**
	Basin - End of Channel	Clay	percent	NA	0.01	**9.20**
	Saltwater Sediment	Silt	percent	NA	0.01	**72.36**
		Sand	percent	NA	0.01	**18.45**
		Gravel	percent	NA	0.01	ND

Notes:

Detections are indicated in **bold**

MDL - Method Detection Limit

NA - Not Applicable

ND - Analyte not detected at or above the Reporting Limit

Reporting Limit - Lowest concentration for which quantitative data are reported

mg/kg - milligram per kilogram, dry weight basis

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Benthic Sediments Monthly Effectiveness Monitoring
2014 - 2015

MONTHLY SUMMARY REPORT: December 2014 DRY WEATHER						
Sample Date	**Station Information**	**Measurement**	**Units**	**MDL**	**Reporting Limit**	**Concentration**
12/11/2014	MdRH-B-1	Percent Solids	percent	0.100	0.100	**45.6**
	Back Harbor	Total Organic Carbon	mg/kg	270	1,100	**16,000**
	Basin D	Clay	percent	NA	0.0100	**10.70**
	Saltwater Sediment	Silt	percent	NA	0.0100	**71.79**
		Sand	percent	NA	0.0100	**17.51**
		Gravel	percent	NA	0.010	ND
12/11/2014	MdRH-B-2	Percent Solids	percent	0.100	0.100	**34.6**
	Back Harbor	Total Organic Carbon	mg/kg	350	1,400	**22,000**
	Basin E	Clay	percent	NA	0.0100	**10.76**
	Saltwater Sediment	Silt	percent	NA	0.0100	**73.65**
		Sand	percent	NA	0.0100	**15.58**
		Gravel	percent	NA	0.010	ND
12/11/2014	MdRH-B-3	Percent Solids	percent	0.100	0.100	**39.5**
	Back Harbor	Total Organic Carbon	mg/kg	310	1,300	**19,000**
	Basin F	Clay	percent	NA	0.0100	**11.71**
	Saltwater Sediment	Silt	percent	NA	0.0100	**77.23**
		Sand	percent	NA	0.0100	**11.07**
		Gravel	percent	NA	0.010	ND
12/11/2014	MdRH-B-4	Percent Solids	percent	0.100	0.100	**48.5**
	Back Harbor	Total Organic Carbon	mg/kg	250	1,000	**15,000**
	Basin - End of Channel	Clay	percent	NA	0.010	**7.15**
	Saltwater Sediment	Silt	percent	NA	0.0100	**59.87**
		Sand	percent	NA	0.0100	**32.98**
		Gravel	percent	NA	0.010	ND

Notes:

Detections are indicated in **bold**

MDL - Method Detection Limit

NA - Not Applicable

ND - Analyte not detected at or above the Reporting Limit

Reporting Limit - Lowest concentration for which quantitative data are reported

mg/kg - milligram per kilogram, dry weight basis

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Benthic Sediments Monthly Effectiveness Monitoring
2014 - 2015

MONTHLY SUMMARY REPORT: January 2015 DRY WEATHER						
Sample Date	**Station Information**	**Measurement**	**Units**	**MDL**	**Reporting Limit**	**Concentration**
1/8/2015	MdRH-B-1	Percent Solids	percent	0.100	0.100	**49.9**
	Back Harbor	Total Organic Carbon	mg/kg	240	1,000	**14,000**
	Basin D	Clay	percent	NA	0.0100	**9.34**
	Saltwater Sediment	Silt	percent	NA	0.0100	**71.78**
		Sand	percent	NA	0.0100	**18.89**
		Gravel	percent	NA	0.010	ND
1/8/2015	MdRH-B-2	Percent Solids	percent	0.100	0.100	**35.9**
	Back Harbor	Total Organic Carbon	mg/kg	340	1,400	**22,000**
	Basin E	Clay	percent	NA	0.0100	**12.09**
	Saltwater Sediment	Silt	percent	NA	0.0100	**76.14**
		Sand	percent	NA	0.0100	**11.77**
		Gravel	percent	NA	0.010	ND
1/8/2015	MdRH-B-3	Percent Solids	percent	0.100	0.100	**38.8**
	Back Harbor	Total Organic Carbon	mg/kg	310	1,300	**21,000**
	Basin F	Clay	percent	NA	0.0100	**10.07**
	Saltwater Sediment	Silt	percent	NA	0.0100	**72.51**
		Sand	percent	NA	0.0100	**17.41**
		Gravel	percent	NA	0.010	ND
1/8/2015	MdRH-B-4	Percent Solids	percent	0.100	0.100	**46.5**
	Back Harbor	Total Organic Carbon	mg/kg	260	1,100	**16,000**
	Basin - End of Channel	Clay	percent	NA	0.010	**10.12**
	Saltwater Sediment	Silt	percent	NA	0.0100	**74.06**
		Sand	percent	NA	0.0100	**15.81**
		Gravel	percent	NA	0.010	ND

Notes:

Detections are indicated in **bold**

MDL - Method Detection Limit

NA - Not Applicable

ND - Analyte not detected at or above the Reporting Limit

Reporting Limit - Lowest concentration for which quantitative data are reported

mg/kg - milligram per kilogram, dry weight basis

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Benthic Sediments Monthly Effectiveness Monitoring
2014 - 2015

MONTHLY SUMMARY REPORT: February 2015 DRY WEATHER						
Sample Date	**Station Information**	**Measurement**	**Units**	**MDL**	**Reporting Limit**	**Concentration**
2/5/2015	MdRH-B-1	Percent Solids	percent	0.100	0.100	**49.0**
	Back Harbor	Total Organic Carbon	mg/kg	250	1,000	**13,000**
	Basin D	Clay	percent	NA	0.0100	**9.27**
	Saltwater Sediment	Silt	percent	NA	0.0100	**74.28**
		Sand	percent	NA	0.0100	**16.45**
		Gravel	percent	NA	0.010	ND
2/5/2015	MdRH-B-2	Percent Solids	percent	0.100	0.100	**34.6**
	Back Harbor	Total Organic Carbon	mg/kg	350	1,400	**21,000**
	Basin E	Clay	percent	NA	0.0100	**10.61**
	Saltwater Sediment	Silt	percent	NA	0.0100	**73.38**
		Sand	percent	NA	0.0100	**16.01**
		Gravel	percent	NA	0.010	ND
2/5/2015	MdRH-B-3	Percent Solids	percent	0.100	0.100	**40.1**
	Back Harbor	Total Organic Carbon	mg/kg	300	1,200	**19,000**
	Basin F	Clay	percent	NA	0.0100	**9.57**
	Saltwater Sediment	Silt	percent	NA	0.0100	**69.02**
		Sand	percent	NA	0.0100	**21.41**
		Gravel	percent	NA	0.010	ND
2/5/2015	MdRH-B-4	Percent Solids	percent	0.100	0.100	**47.3**
	Back Harbor	Total Organic Carbon	mg/kg	260	1,100	**15,000**
	Basin - End of Channel	Clay	percent	NA	0.0100	**8.44**
	Saltwater Sediment	Silt	percent	NA	0.0100	**73.98**
		Sand	percent	NA	0.0100	**17.57**
		Gravel	percent	NA	0.010	ND

Notes:

Detections are indicated in **bold**

MDL - Method Detection Limit

NA - Not Applicable

ND - Analyte not detected at or above the Reporting Limit

Reporting Limit - Lowest concentration for which quantitative data are reported

mg/kg - milligram per kilogram, dry weight basis

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Benthic Sediments Monthly Effectiveness Monitoring
2014 - 2015

MONTHLY SUMMARY REPORT: March 2015 DRY WEATHER						
Sample Date	**Station Information**	**Measurement**	**Units**	**MDL**	**Reporting Limit**	**Concentration**
3/6/2015	MdRH-B-1	Percent Solids	percent	0.100	0.100	**50.0**
	Back Harbor	Total Organic Carbon	mg/kg	240	1,000	**16,000**
	Basin D	Clay	percent	NA	0.0100	**9.69**
	Saltwater Sediment	Silt	percent	NA	0.0100	**80.58**
		Sand	percent	NA	0.0100	**9.73**
		Gravel	percent	NA	0.010	ND
3/6/2015	MdRH-B-2	Percent Solids	percent	0.100	0.100	**35.9**
	Back Harbor	Total Organic Carbon	mg/kg	340	1,400	**26,000**
	Basin E	Clay	percent	NA	0.0100	**8.84**
	Saltwater Sediment	Silt	percent	NA	0.0100	**60.12**
		Sand	percent	NA	0.0100	**31.03**
		Gravel	percent	NA	0.010	ND
3/6/2015	MdRH-B-3	Percent Solids	percent	0.100	0.100	**39.2**
	Back Harbor	Total Organic Carbon	mg/kg	310	1,300	**24,000**
	Basin F	Clay	percent	NA	0.0100	**10.68**
	Saltwater Sediment	Silt	percent	NA	0.0100	**73.46**
		Sand	percent	NA	0.0100	**15.86**
		Gravel	percent	NA	0.010	ND
3/6/2015	MdRH-B-4	Percent Solids	percent	0.100	0.100	**47.3**
	Back Harbor	Total Organic Carbon	mg/kg	260	1,100	**17,000**
	Basin - End of Channel	Clay	percent	NA	0.010	**8.83**
	Saltwater Sediment	Silt	percent	NA	0.0100	**68.94**
		Sand	percent	NA	0.0100	**22.23**
		Gravel	percent	NA	0.010	ND

Notes:

Detections are indicated in **bold**

MDL - Method Detection Limit

NA - Not Applicable

ND - Analyte not detected at or above the Reporting Limit

Reporting Limit - Lowest concentration for which quantitative data are reported

mg/kg - milligram per kilogram, dry weight basis

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Benthic Sediments Monthly Effectiveness Monitoring
2014 - 2015

MONTHLY SUMMARY REPORT: April 2015 DRY WEATHER						
Sample Date	**Station Information**	**Measurement**	**Units**	**MDL**	**Reporting Limit**	**Concentration**
4/16/2015	MdRH-B-1 Back Harbor Basin D Saltwater Sediment	Percent Solids	percent	0.100	0.100	**48.6**
		Total Organic Carbon	mg/kg	250	1,000	**13,000**
		Clay	percent	NA	0.01	**7.78**
		Silt	percent	NA	0.01	**69.42**
		Sand	percent	NA	0.01	**22.80**
		Gravel	percent	NA	0.01	ND
4/16/2015	MdRH-B-2 Back Harbor Basin E Saltwater Sediment	Percent Solids	percent	0.100	0.100	**33.6**
		Total Organic Carbon	mg/kg	360	1,500	**21,000**
		Clay	percent	NA	0.01	**11.44**
		Silt	percent	NA	0.01	**64.98**
		Sand	percent	NA	0.01	**23.58**
		Gravel	percent	NA	0.01	ND
4/16/2015	MdRH-B-3 Back Harbor Basin F Saltwater Sediment	Percent Solids	percent	0.100	0.100	**41.4**
		Total Organic Carbon	mg/kg	290	1,200	**19,000**
		Clay	percent	NA	0.01	**8.25**
		Silt	percent	NA	0.01	**60.45**
		Sand	percent	NA	0.01	**31.30**
		Gravel	percent	NA	0.01	ND
4/16/2015	MdRH-B-4 Back Harbor Basin - End of Channel Saltwater Sediment	Percent Solids	percent	0.100	0.100	**46.9**
		Total Organic Carbon	mg/kg	260	1,100	**15,000**
		Clay	percent	NA	0.01	**8.18**
		Silt	percent	NA	0.01	**62.84**
		Sand	percent	NA	0.01	**28.97**
		Gravel	percent	NA	0.01	ND

Notes:

Detections are indicated in **bold**

MDL - Method Detection Limit

NA - Not Applicable

ND - Analyte not detected at or above the Reporting Limit

Reporting Limit - Lowest concentration for which quantitative data are reported

mg/kg - milligram per kilogram, dry weight basis

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Benthic Sediments Monthly Effectiveness Monitoring
2014 - 2015

MONTHLY SUMMARY REPORT: May 2015 DRY WEATHER						
Sample Date	**Station Information**	**Measurement**	**Units**	**MDL**	**Reporting Limit**	**Concentration**
5/14/2015	MdRH-B-1	Percent Solids	percent	0.100	0.100	**49.5**
	Back Harbor	Total Organic Carbon	mg/kg	240	1,000	**13,000**
	Basin D	Clay	percent	NA	0.01	**8.94**
	Saltwater Sediment	Silt	percent	NA	0.01	**67.64**
		Sand	percent	NA	0.01	**23.43**
		Gravel	percent	NA	0.01	ND
5/14/2015	MdRH-B-2	Percent Solids	percent	0.100	0.100	**35.6**
	Back Harbor	Total Organic Carbon	mg/kg	340	1,400	**20,000**
	Basin E	Clay	percent	NA	0.01	**11.83**
	Saltwater Sediment	Silt	percent	NA	0.01	**72.21**
		Sand	percent	NA	0.01	**15.97**
		Gravel	percent	NA	0.01	ND
5/14/2015	MdRH-B-3	Percent Solids	percent	0.100	0.100	**41.5**
	Back Harbor	Total Organic Carbon	mg/kg	290	1,200	**16,000**
	Basin F	Clay	percent	NA	0.01	**8.68**
	Saltwater Sediment	Silt	percent	NA	0.01	**61.26**
		Sand	percent	NA	0.01	**30.05**
		Gravel	percent	NA	0.01	ND
5/14/2015	MdRH-B-4	Percent Solids	percent	0.100	0.100	**48.8**
	Back Harbor	Total Organic Carbon	mg/kg	250	1,000	**14,000**
	Basin - End of Channel	Clay	percent	NA	0.01	**5.78**
	Saltwater Sediment	Silt	percent	NA	0.01	**56.75**
		Sand	percent	NA	0.01	**37.47**
		Gravel	percent	NA	0.01	ND

Notes:

Detections are indicated in **bold**

MDL - Method Detection Limit

NA - Not Applicable

ND - Analyte not detected at or above the Reporting Limit

Reporting Limit - Lowest concentration for which quantitative data are reported

mg/kg - milligram per kilogram, dry weight basis

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Benthic Sediments Monthly Effectiveness Monitoring
2014 - 2015

MONTHLY SUMMARY REPORT: June 2015 DRY WEATHER						
Sample Date	**Station Information**	**Measurement**	**Units**	**MDL**	**Reporting Limit**	**Concentration**
6/4/2015	MdRH-B-1	Percent Solids	percent	0.100	0.100	**46.4**
	Back Harbor	Total Organic Carbon	mg/kg	260	1,100	**16,000**
	Basin D	Clay	percent	NA	0.01	**7.02**
	Saltwater Sediment	Silt	percent	NA	0.01	**63.64**
		Sand	percent	NA	0.01	**29.34**
		Gravel	percent	NA	0.01	ND
6/4/2015	MdRH-B-2	Percent Solids	percent	0.100	0.100	**36.0**
	Back Harbor	Total Organic Carbon	mg/kg	340	1,400	**17,000**
	Basin E	Clay	percent	NA	0.01	**10.94**
	Saltwater Sediment	Silt	percent	NA	0.01	**67.45**
		Sand	percent	NA	0.01	**21.60**
		Gravel	percent	NA	0.01	ND
6/4/2015	MdRH-B-3	Percent Solids	percent	0.100	0.100	**37.2**
	Back Harbor	Total Organic Carbon	mg/kg	330	1,300	**20,000**
	Basin F	Clay	percent	NA	0.01	**9.55**
	Saltwater Sediment	Silt	percent	NA	0.01	**67.87**
		Sand	percent	NA	0.01	**22.59**
		Gravel	percent	NA	0.01	ND
6/4/2015	MdRH-B-4	Percent Solids	percent	0.100	0.100	**46.5**
	Back Harbor	Total Organic Carbon	mg/kg	260	1,100	**15,000**
	Basin - End of Channel	Clay	percent	NA	0.01	**7.27**
	Saltwater Sediment	Silt	percent	NA	0.01	**63.44**
		Sand	percent	NA	0.01	**29.28**
		Gravel	percent	NA	0.01	ND

Notes:

Detections are indicated in **bold**

MDL - Method Detection Limit

NA - Not Applicable

ND - Analyte not detected at or above the Reporting Limit

Reporting Limit - Lowest concentration for which quantitative data are reported

mg/kg - milligram per kilogram, dry weight basis

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Benthic Sediments Monthly Effectiveness Monitoring
2014 - 2015

MONTHLY SUMMARY REPORT: July 2015 DRY WEATHER						
Sample Date	**Station Information**	**Measurement**	**Units**	**MDL**	**Reporting Limit**	**Concentration**
7/28/2015	MdRH-B-1	Percent Solids	percent	0.100	0.100	**51.1**
	Back Harbor	Total Organic Carbon	mg/kg	240	980	**13,000**
	Basin D	Clay	percent	NA	0.01	**7.81**
	Saltwater Sediment	Silt	percent	NA	0.01	**61.49**
		Sand	percent	NA	0.01	**30.70**
		Gravel	percent	NA	0.01	ND
7/28/2015	MdRH-B-2	Percent Solids	percent	0.100	0.100	**35.3**
	Back Harbor	Total Organic Carbon	mg/kg	340	1,400	**17,000**
	Basin E	Clay	percent	NA	0.01	**12.32**
	Saltwater Sediment	Silt	percent	NA	0.01	**73.39**
		Sand	percent	NA	0.01	**14.29**
		Gravel	percent	NA	0.01	ND
7/28/2015	MdRH-B-3	Percent Solids	percent	0.100	0.100	**40.3**
	Back Harbor	Total Organic Carbon	mg/kg	300	1,200	**19,000**
	Basin F	Clay	percent	NA	0.01	**9.05**
	Saltwater Sediment	Silt	percent	NA	0.01	**63.82**
		Sand	percent	NA	0.01	**27.13**
		Gravel	percent	NA	0.01	ND
7/28/2015	MdRH-B-4	Percent Solids	percent	0.100	0.100	**49.2**
	Back Harbor	Total Organic Carbon	mg/kg	250	1,000	**14,000**
	Basin - End of Channel	Clay	percent	NA	0.01	**6.40**
	Saltwater Sediment	Silt	percent	NA	0.01	**56.41**
		Sand	percent	NA	0.01	**37.19**
		Gravel	percent	NA	0.01	ND

Notes:

Detections are indicated in **bold**

MDL - Method Detection Limit

NA - Not Applicable

ND - Analyte not detected at or above the Reporting Limit

Reporting Limit - Lowest concentration for which quantitative data are reported

mg/kg - milligram per kilogram, dry weight basis

Sediment Toxicity Data

This page intentionally left blank.

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Sediment Toxicity Report
2014-2015
Leptocheirus plumulosus Survival (28-Day)

QUARTERLY SUMMARY REPORT: September 2014 DRY WEATHER					
Sample Date	**Station Information**	**Replicate**	**Number Alive**	**Percent Survival**	**Mean Percent Survival**
9/18/2014	MdRH-B-1 Back Harbor Basin D Saltwater	A	20	100	96.0
		B	19	95	
		C	19	95	
		D	19	95	
		E	19	95	
9/18/2014	MdRH-B-2 Back Harbor Basin E Saltwater	A	19	95	86.0
		B	19	95	
		C	15	75	
		D	19	95	
		E	14	70	
9/18/2014	MdRH-B-3 Back Harbor Basin F Saltwater	A	20	100	83.8
		B	17	85	
		C	14	70	
		D	*	*	
		E	16	80	
9/18/2014	MdRH-B-4 Back Harbor Basin - End of Channel Saltwater	A	17	85	81.0
		B	13	65	
		C	19	95	
		D	19	95	
		E	13	65	
9/18/2014	Laboratory Control	A	*	*	93.8
		B	19	95	
		C	18	90	
		D	18	90	
		E	20	100	

* outlier value excluded from calculations

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Sediment Toxicity Report
2014-2015
Leptocheirus plumulosus Survival (28-Day)

QUARTERLY SUMMARY REPORT: April 2015 DRY WEATHER					
Sample Date	**Station Information**	**Replicate**	**Number Alive**	**Percent Survival**	**Mean Percent Survival**
4/16/2015	MdRH-B-1 Back Harbor Basin D Saltwater	A B C D E	17 19 20 17 17	85 95 100 85 85	90.0
4/16/2015	MdRH-B-2 Back Harbor Basin E Saltwater	A B C D E	20 18 19 20 20	100 90 95 100 100	97.0
4/16/2015	MdRH-B-3 Back Harbor Basin F Saltwater	A B C D E	17 20 19 18 15	85 100 95 90 75	89.0
4/16/2015	MdRH-B-4 Back Harbor Basin - End of Channel Saltwater	A B C D E	19 20 19 20 19	95 100 95 100 95	97.0
4/16/2015	Laboratory Control	A B C D E	18 * 20 20 19	90 * 100 100 95	96.3

* outlier value excluded from calculations

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Sediment Toxicity Report
2014-2015
Leptocheirus plumulosus Growth (28-Day)

QUARTERLY SUMMARY REPORT: September 2014 DRY WEATHER					
Sample Date	**Station Information**	**Replicate**	**Total Weight (mg)**	**Weight per Organism (mg)**	**Mean Weight per Organism (mg)**
	MdRH-B-1	A	34.97	1.75	
	Back Harbor	B	33.30	1.75	
9/18/2014	Basin D	C	33.40	1.76	1.78
	Saltwater	D	37.13	1.95	
		E	32.06	1.69	
	MdRH-B-2	A	29.83	1.57	
	Back Harbor	B	35.73	1.88	
9/18/2014	Basin E	C	20.05	1.34	1.60
	Saltwater	D	35.00	1.84	
		E	18.84	1.35	
	MdRH-B-3	A	43.98	2.20	
	Back Harbor	B	26.32	1.55	
9/18/2014	Basin F	C	16.14	1.15	1.45
	Saltwater	D	*	*	
		E	14.27	0.89	
	MdRH-B-4	A	32.46	1.91	
	Back Harbor	B	19.23	1.48	
9/18/2014	Basin - End of Channel	C	30.49	1.60	1.63
	Saltwater	D	41.40	2.18	
		E	12.77	0.98	
	Laboratory Control	A	*	*	
		B	45.98	2.42	
9/18/2014		C	32.04	1.78	2.08
		D	43.31	2.41	
		E	33.71	1.69	

* outlier value excluded from calculations

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Sediment Toxicity Report
2014-2015
Leptocheirus plumulosus Growth (28-Day)

QUARTERLY SUMMARY REPORT: April 2015 DRY WEATHER					
Sample Date	**Station Information**	**Replicate**	**Total Weight (mg)**	**Weight per Organism (mg)**	**Mean Weight per Organism (mg)**
	MdRH-B-1	A	19.26	1.13	
	Back Harbor	B	23.82	1.25	
4/16/2015	Basin D	C	36.48	1.82	1.43
	Saltwater	D	17.05	1.00	
		E	33.37	1.96	
	MdRH-B-2	A	44.23	2.21	
	Back Harbor	B	41.22	2.29	
4/16/2015	Basin E	C	41.21	2.17	1.84
	Saltwater	D	19.39	0.97	
		E	30.94	1.55	
	MdRH-B-3	A	23.55	1.39	
	Back Harbor	B	31.02	1.55	
4/16/2015	Basin F	C	29.48	1.55	1.47
	Saltwater	D	30.61	1.70	
		E	17.42	1.16	
	MdRH-B-4	A	25.39	1.34	
	Back Harbor	B	32.64	1.63	
4/16/2015	Basin - End of Channel	C	31.92	1.68	1.56
	Saltwater	D	37.64	1.88	
		E	23.85	1.26	
	Laboratory Control	A	29.11	1.62	
		B	*	*	
4/16/2015		C	43.08	2.15	1.79
		D	41.63	2.08	
		E	24.43	1.29	

* outlier value excluded from calculations

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Sediment Toxicity Report
2014-2015
Leptocheirus plumulosus Reproduction (28-Day)

QUARTERLY SUMMARY REPORT: September 2014
DRY WEATHER

Sample Date	Station Information	Replicate	Number of Neonates Produced	Number of Neonates Per Adult	Mean Number of Neonates Per Adult
9/18/2014	MdRH-B-1 Back Harbor Basin D Saltwater	A	36	1.80	2.04
		B	48	2.53	
		C	32	1.68	
		D	62	3.26	
		E	18	0.95	
9/18/2014	MdRH-B-2 Back Harbor Basin E Saltwater	A	45	2.37	1.21
		B	11	0.58	
		C	16	1.07	
		D	26	1.37	
		E	9	0.64	
9/18/2014	MdRH-B-3 Back Harbor Basin F Saltwater	A	72	3.60	2.09
		B	14	0.82	
		C	32	2.29	
		D	*	*	
		E	26	1.63	
9/18/2014	MdRH-B-4 Back Harbor Basin - End of Channel Saltwater	A	29	1.71	1.97
		B	26	2.00	
		C	41	2.16	
		D	54	2.84	
		E	15	1.15	
9/18/2014	Laboratory Control	A	*	*	3.07
		B	54	2.84	
		C	54	3.00	
		D	54	3.00	
		E	69	3.45	

* outlier value excluded from calculations

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Sediment Toxicity Report
2014-2015
Leptocheirus plumulosus Reproduction (28-Day)

QUARTERLY SUMMARY REPORT: April 2015 DRY WEATHER					
Sample Date	**Station Information**	**Replicate**	**Number of Neonates Produced**	**Number of Neonates Per Adult**	**Mean Number of Neonates Per Adult**
4/16/2015	MdRH-B-1 Back Harbor Basin D Saltwater	A B C D E	33 38 56 34 56	1.94 2.00 2.80 2.00 3.29	2.41
4/16/2015	MdRH-B-2 Back Harbor Basin E Saltwater	A B C D E	97 142 55 37 75	4.85 7.89 2.89 1.85 3.75	4.25
4/16/2015	MdRH-B-3 Back Harbor Basin F Saltwater	A B C D E	54 52 49 111 32	3.18 2.60 2.58 6.17 2.13	3.33
4/16/2015	MdRH-B-4 Back Harbor Basin - End of Channel Saltwater	A B C D E	60 51 132 98 58	3.16 2.55 6.95 4.90 3.05	4.12
4/16/2015	Laboratory Control	A B C D E	110 * 122 96 46	6.11 * 6.10 4.80 2.42	4.86

* outlier value excluded from calculations

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Sediment Toxicity Report
2014-2015
Eohaustorius estuarius Survival (10-Day)

QUARTERLY SUMMARY REPORT: September 2014 DRY WEATHER					
Sample Date	**Station Information**	**Replicate**	**Number Alive**	**Percent Survival**	**Mean Percent Survival**
9/18/2014	MdRH-B-1 Back Harbor Basin D Saltwater	A B C D E	19 16 17 18 18	95 80 85 90 90	88.0
9/18/2014	MdRH-B-2 Back Harbor Basin E Saltwater	A B C D E	18 20 17 19 18	90 100 85 95 90	92.0
9/18/2014	MdRH-B-3 Back Harbor Basin F Saltwater	A B C D E	17 17 17 20 18	85 85 85 100 90	89.0
9/18/2014	MdRH-B-4 Back Harbor Basin - End of Channel Saltwater	A B C D E	19 19 17 18 20	95 95 85 90 100	93.0
9/18/2014	Laboratory Control	A B C D E	19 20 20 20 20	95 100 100 100 100	99.0

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Sediment Toxicity Report
2014-2015
Eohaustorius estuarius Survival (10-Day)

QUARTERLY SUMMARY REPORT: April 2015 DRY WEATHER					
Sample Date	**Station Information**	**Replicate**	**Number Alive**	**Percent Survival**	**Mean Percent Survival**
4/16/2015	MdRH-B-1 Back Harbor Basin D Saltwater	A B C D E	16 17 19 19 18	80 85 95 95 90	89.0
4/16/2015	MdRH-B-2 Back Harbor Basin E Saltwater	A B C D E	15 16 15 16 11	75 80 75 80 55	73.0
4/16/2015	MdRH-B-3 Back Harbor Basin F Saltwater	A B C D E	15 16 18 15 15	75 80 90 75 75	79.0
4/16/2015	MdRH-B-4 Back Harbor Basin - End of Channel Saltwater	A B C D E	19 18 18 18 18	95 90 90 90 90	91.0
4/16/2015	Laboratory Control	A B C D E	20 19 20 17 17	100 95 100 85 85	93.0

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Sediment Toxicity Report
2014-2015
Mytilus galloprovincialis Development (48-Hour Embryo)

QUARTERLY SUMMARY REPORT: September 2014
DRY WEATHER

Sample Date	Station Information	Replicate	Total Number Counted	Number Normally Developed	Percent Normally Developed	Mean Percent Normally Developed
9/18/2014	MdRH-B-1 Back Harbor Basin D Saltwater	A	317	314	99.1	98.4
		B	350	343	98.0	
		C	365	360	98.6	
		D	347	340	98.0	
		E	319	314	98.4	
9/18/2014	MdRH-B-2 Back Harbor Basin E Saltwater	A	345	342	99.1	98.6
		B	375	370	98.7	
		C	319	315	98.7	
		D	332	323	97.3	
		E	357	354	99.2	
9/18/2014	MdRH-B-3 Back Harbor Basin F Saltwater	A	320	317	99.1	97.6
		B	345	339	98.3	
		C	372	363	97.6	
		D	346	336	97.1	
		E	370	355	95.9	
9/18/2014	MdRH-B-4 Back Harbor Basin - End of Channel Saltwater	A	354	352	99.4	98.9
		B	345	342	99.1	
		C	387	380	98.2	
		D	389	382	98.2	
		E	387	385	99.5	
9/18/2014	Laboratory Control	A	317	314	99.1	98.3
		B	348	344	98.9	
		C	364	358	98.4	
		D	340	329	96.8	
		E	350	344	98.3	

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Sediment Toxicity Report
2014-2015
Mytilus galloprovincialis Development (48-Hour Embryo)

QUARTERLY SUMMARY REPORT: April 2015
DRY WEATHER

Sample Date	Station Information	Replicate	Total Number Counted	Number Normally Developed	Percent Normally Developed	Mean Percent Normally Developed
	MdRH-B-1	A	352	303	86.1	
	Back Harbor	B	415	397	95.7	
4/16/2015	Basin D	C	437	397	90.8	92.6
	Saltwater	D	363	345	95.0	
		E	330	314	95.2	
	MdRH-B-2	A	329	306	93.0	
	Back Harbor	B	339	317	93.5	
4/16/2015	Basin E	C	352	344	97.7	92.2
	Saltwater	D	426	401	94.1	
		E	344	285	82.8	
	MdRH-B-3	A	436	407	93.3	
	Back Harbor	B	354	343	96.9	
4/16/2015	Basin F	C	388	378	97.4	96.0
	Saltwater	D	357	350	98.0	
		E	398	376	94.5	
	MdRH-B-4	A	351	332	94.6	
	Back Harbor	B	385	348	90.4	
4/16/2015	Basin - End of Channel	C	385	366	95.1	94.6
	Saltwater	D	404	388	96.0	
		E	379	368	97.1	
	Laboratory Control	A	423	403	95.3	
		B	377	367	97.3	
4/16/2015		C	325	310	95.4	95.8
		D	339	320	94.4	
		E	419	405	96.7	

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Sediment Toxicity Report
2014-2015
Strongylocentrotus purpuratus Fertilization (20-Minute Gamete)

QUARTERLY SUMMARY REPORT: September 2014 DRY WEATHER						
Sample Date	**Station Information**	**Percent Sample**	**Replicate**	**Number Counted**	**Percent Fertilized**	**Mean Percent Fertilization**
9/18/2014	MdRH-B-1 Back Harbor Basin D Saltwater	12.5	A B C D E	100 100 100 100 100	95 97 97 96 96	96.2
9/18/2014	MdRH-B-1 Back Harbor Basin D Saltwater	25	A B C D E	100 100 100 100 100	97 98 95 98 98	97.2
9/18/2014	MdRH-B-1 Back Harbor Basin D Saltwater	50	A B C D E	100 100 100 100 100	97 98 95 96 98	96.8
9/18/2014	MdRH-B-1 Back Harbor Basin D Saltwater	75	A B C D E	100 100 100 100 100	98 99 97 96 97	97.4
9/18/2014	MdRH-B-1 Back Harbor Basin D Saltwater	100	A B C D E	100 100 100 100 100	95 94 96 96 97	95.6
9/18/2014	MdRH-B-1 Back Harbor Basin D Saltwater	Laboratory Control	A B C D E	100 100 100 100 100	96 96 98 98 97	97.0
9/18/2014	MdRH-B-2 Back Harbor Basin E Saltwater	12.5	A B C D E	100 100 100 100 100	99 100 97 97 100	98.6
9/18/2014	MdRH-B-2 Back Harbor Basin E Saltwater	25	A B C D E	100 100 100 100 100	100 98 100 98 99	99.0
9/18/2014	MdRH-B-2 Back Harbor Basin E Saltwater	50	A B C D E	100 100 100 100 100	97 99 100 98 99	98.6
9/18/2014	MdRH-B-2 Back Harbor Basin E Saltwater	75	A B C D E	100 100 100 100 100	98 99 100 100 100	99.4
9/18/2014	MdRH-B-2 Back Harbor Basin E Saltwater	100	A B C D E	100 100 100 100 100	97 99 100 99 98	98.6
9/18/2014	MdRH-B-2 Back Harbor Basin E Saltwater	Laboratory Control	A B C D E	100 100 100 100 100	98 98 99 98 99	98.4

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Sediment Toxicity Report
2014-2015
Strongylocentrotus purpuratus Fertilization (20-Minute Gamete)

QUARTERLY SUMMARY REPORT: September 2014 DRY WEATHER						
Sample Date	**Station Information**	**Percent Sample**	**Replicate**	**Number Counted**	**Percent Fertilized**	**Mean Percent Fertilization**
9/18/2014	MdRH-B-3 Back Harbor Basin F Saltwater	12.5	A B C D E	100 100 100 100 100	96 98 93 98 98	96.6
9/18/2014	MdRH-B-3 Back Harbor Basin F Saltwater	25	A B C D E	100 100 100 100 100	94 98 99 94 97	96.4
9/18/2014	MdRH-B-3 Back Harbor Basin F Saltwater	50	A B C D E	100 100 100 100 100	98 95 92 98 97	96.0
9/18/2014	MdRH-B-3 Back Harbor Basin F Saltwater	75	A B C D E	100 100 100 100 100	98 97 99 95 97	97.2
9/18/2014	MdRH-B-3 Back Harbor Basin F Saltwater	100	A B C D E	100 100 100 100 100	93 97 98 96 98	96.4
9/18/2014	MdRH-B-3 Back Harbor Basin F Saltwater	Laboratory Control	A B C D E	100 100 100 100 100	98 95 94 99 98	96.8
9/18/2014	MdRH-B-4 Back Harbor Basin - End of Channel Saltwater	12.5	A B C D E	100 100 100 100 100	93 99 98 95 96	96.2
9/18/2014	MdRH-B-4 Back Harbor Basin - End of Channel Saltwater	25	A B C D E	100 100 100 100 100	95 96 97 94 97	95.8
9/18/2014	MdRH-B-4 Back Harbor Basin - End of Channel Saltwater	50	A B C D E	100 100 100 100 100	97 94 97 99 94	96.2
9/18/2014	MdRH-B-4 Back Harbor Basin - End of Channel Saltwater	75	A B C D E	100 100 100 100 100	97 91 93 98 93	94.4
9/18/2014	MdRH-B-4 Back Harbor Basin - End of Channel Saltwater	100	A B C D E	100 100 100 100 100	87 86 96 88 93	90.0
9/18/2014	MdRH-B-4 Back Harbor Basin - End of Channel Saltwater	Laboratory Control	A B C D E	100 100 100 100 100	94 96 99 95 97	96.2

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Sediment Toxicity Report
2014-2015
Strongylocentrotus purpuratus Fertilization (20-Minute Gamete)

QUARTERLY SUMMARY REPORT: April 2015 DRY WEATHER						
Sample Date	**Station Information**	**Percent Sample**	**Replicate**	**Number Counted**	**Percent Fertilized**	**Mean Percent Fertilization**
4/16/2015	MdRH-B-1 Back Harbor Basin D Saltwater	12.5	A B C D E	100 100 100 100 100	85 81 84 82 88	84.0
4/16/2015	MdRH-B-1 Back Harbor Basin D Saltwater	25	A B C D E	100 100 100 100 100	82 76 89 89 83	83.8
4/16/2015	MdRH-B-1 Back Harbor Basin D Saltwater	50	A B C D E	100 100 100 100 100	83 77 82 79 74	79.0
4/16/2015	MdRH-B-1 Back Harbor Basin D Saltwater	75	A B C D E	100 100 100 100 100	76 78 78 78 82	78.4
4/16/2015	MdRH-B-1 Back Harbor Basin D Saltwater	100	A B C D E	100 100 100 100 100	78 81 81 79 87	81.2
4/16/2015	MdRH-B-1 Back Harbor Basin D Saltwater	Laboratory Control	A B C D E	100 100 100 100 100	93 91 96 90 94	92.8
4/16/2015	MdRH-B-2 Back Harbor Basin E Saltwater	12.5	A B C D E	100 100 100 100 100	88 94 90 93 91	91.2
4/16/2015	MdRH-B-2 Back Harbor Basin E Saltwater	25	A B C D E	100 100 100 100 100	89 90 82 90 91	88.4
4/16/2015	MdRH-B-2 Back Harbor Basin E Saltwater	50	A B C D E	100 100 100 100 100	91 86 91 90 92	90.0
4/16/2015	MdRH-B-2 Back Harbor Basin E Saltwater	75	A B C D E	100 100 100 100 100	83 86 87 86 90	86.4
4/16/2015	MdRH-B-2 Back Harbor Basin E Saltwater	100	A B C D E	100 100 100 100 100	89 91 92 90 91	90.6
4/16/2015	MdRH-B-2 Back Harbor Basin E Saltwater	Laboratory Control	A B C D E	100 100 100 100 100	94 95 95 94 93	94.2

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Sediment Toxicity Report
2014-2015
Strongylocentrotus purpuratus Fertilization (20-Minute Gamete)

QUARTERLY SUMMARY REPORT: April 2015 DRY WEATHER						
Sample Date	**Station Information**	**Percent Sample**	**Replicate**	**Number Counted**	**Percent Fertilized**	**Mean Percent Fertilization**
4/16/2015	MdRH-B-3 Back Harbor Basin F Saltwater	12.5	A B C D E	100 100 100 100 100	85 85 79 77 85	82.2
4/16/2015	MdRH-B-3 Back Harbor Basin F Saltwater	25	A B C D E	100 100 100 100 100	75 74 73 71 70	72.6
4/16/2015	MdRH-B-3 Back Harbor Basin F Saltwater	50	A B C D E	100 100 100 100 100	64 68 73 74 69	69.6
4/16/2015	MdRH-B-3 Back Harbor Basin F Saltwater	75	A B C D E	100 100 100 100 100	73 83 67 73 81	75.4
4/16/2015	MdRH-B-3 Back Harbor Basin F Saltwater	100	A B C D E	100 100 100 100 100	73 81 81 75 81	78.2
4/16/2015	MdRH-B-3 Back Harbor Basin F Saltwater	Laboratory Control	A B C D E	100 100 100 100 100	94 85 89 89 90	89.4
4/16/2015	MdRH-B-4 Back Harbor Basin - End of Channel Saltwater	12.5	A B C D E	100 100 100 100 100	72 76 86 79 79	78.4
4/16/2015	MdRH-B-4 Back Harbor Basin - End of Channel Saltwater	25	A B C D E	100 100 100 100 100	69 71 65 68 69	68.4
4/16/2015	MdRH-B-4 Back Harbor Basin - End of Channel Saltwater	50	A B C D E	100 100 100 100 100	73 58 65 68 61	65.0
4/16/2015	MdRH-B-4 Back Harbor Basin - End of Channel Saltwater	75	A B C D E	100 100 100 100 100	56 65 65 71 66	64.6
4/16/2015	MdRH-B-4 Back Harbor Basin - End of Channel Saltwater	100	A B C D E	100 100 100 100 100	66 65 66 70 71	67.6
4/16/2015	MdRH-B-4 Back Harbor Basin - End of Channel Saltwater	Laboratory Control	A B C D E	100 100 100 100 100	87 88 91 88 93	89.4

Fish and Mussel Tissue Quality Data

This page intentionally left blank.

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Bioaccumulation Monitoring
2014 - 2015

ANNUAL SUMMARY REPORT: October 2014
DRY WEATHER

Sample Date	Station Information	Sample Information	Organics	Units	MDL	Reporting Limit	TMDL Limit [1]	Concentration
10/23/2014	MdRH-B-1	California halibut Rep #1 Paralichthys californicus Muscle fillet tissue Standard length: 155 mm Weight: 68 grams	Lipids	percent	0.10	0.10	NL	**0.12**
			Aroclor 1016	µg/Kg	1.4	10	5.3	ND
			Aroclor 1221	µg/Kg	7.2	25	5.3	ND
			Aroclor 1232	µg/Kg	2.1	10	5.3	ND
			Aroclor 1242	µg/Kg	1.9	10	5.3	ND
			Aroclor 1248	µg/Kg	1.5	10	5.3	ND
			Aroclor 1254	µg/Kg	1.8	10	5.3	**17**
			Aroclor 1260	µg/Kg	1.9	10	5.3	**6.7 J**
			Aroclor 1262	µg/Kg	1.6	10	5.3	ND
			Aroclor 1268	µg/Kg	2.9	10	5.3	ND
			Total PCBs	µg/Kg	7.2	25	5.3	**23.7 J**
10/23/2014	MdRH-B-1	California halibut Rep #2 Paralichthys californicus Muscle fillet tissue Standard length: 154 mm Weight: 60 grams	Lipids	percent	0.10	0.10	NL	**0.21**
			Aroclor 1016	µg/Kg	1.4	10	5.3	ND
			Aroclor 1221	µg/Kg	7.2	25	5.3	ND
			Aroclor 1232	µg/Kg	2.1	10	5.3	ND
			Aroclor 1242	µg/Kg	1.9	10	5.3	ND
			Aroclor 1248	µg/Kg	1.5	10	5.3	ND
			Aroclor 1254	µg/Kg	1.8	10	5.3	**26**
			Aroclor 1260	µg/Kg	1.9	10	5.3	**12**
			Aroclor 1262	µg/Kg	1.6	10	5.3	ND
			Aroclor 1268	µg/Kg	2.9	10	5.3	ND
			Total PCBs	µg/Kg	7.2	25	5.3	**38**
10/23/2014	MdRH-B-1	California halibut Rep #3 Paralichthys californicus Muscle fillet tissue Standard length: 167 mm Weight: 60 grams	Lipids	percent	0.10	0.10	NL	**0.22**
			Aroclor 1016	µg/Kg	1.4	10	5.3	ND
			Aroclor 1221	µg/Kg	7.2	25	5.3	ND
			Aroclor 1232	µg/Kg	2.1	10	5.3	ND
			Aroclor 1242	µg/Kg	1.9	10	5.3	ND
			Aroclor 1248	µg/Kg	1.5	10	5.3	ND
			Aroclor 1254	µg/Kg	1.8	10	5.3	**41**
			Aroclor 1260	µg/Kg	1.9	10	5.3	**17**
			Aroclor 1262	µg/Kg	1.6	10	5.3	ND
			Aroclor 1268	µg/Kg	2.9	10	5.3	ND
			Total PCBs	µg/Kg	7.2	25	5.3	**58**
10/23/2014	MdRH-B-1	Bat ray Rep #1 Myliobatis californica Muscle fillet tissue Disc width: 294 mm Weight: 373 grams	Lipids	percent	0.10	0.10	NL	**0.32**
			Aroclor 1016	µg/Kg	1.4	10	5.3	ND
			Aroclor 1221	µg/Kg	7.2	25	5.3	ND
			Aroclor 1232	µg/Kg	2.1	10	5.3	ND
			Aroclor 1242	µg/Kg	1.9	10	5.3	ND
			Aroclor 1248	µg/Kg	1.5	10	5.3	ND
			Aroclor 1254	µg/Kg	1.8	10	5.3	**12**
			Aroclor 1260	µg/Kg	1.9	10	5.3	**2.4 J**
			Aroclor 1262	µg/Kg	1.6	10	5.3	ND
			Aroclor 1268	µg/Kg	2.9	10	5.3	ND
			Total PCBs	µg/Kg	7.2	25	5.3	**14.4 J**
10/23/2014	MdRH-B-1	Bat ray Rep #2 Myliobatis californica Muscle fillet tissue Disc width: 383 mm Weight: 1,500 grams	Lipids	percent	0.10	0.10	NL	**0.32**
			Aroclor 1016	µg/Kg	1.4	10	5.3	ND
			Aroclor 1221	µg/Kg	7.2	25	5.3	ND
			Aroclor 1232	µg/Kg	2.1	10	5.3	ND
			Aroclor 1242	µg/Kg	1.9	10	5.3	ND
			Aroclor 1248	µg/Kg	1.5	10	5.3	ND
			Aroclor 1254	µg/Kg	1.8	10	5.3	**22**
			Aroclor 1260	µg/Kg	1.9	10	5.3	**7.2 J**
			Aroclor 1262	µg/Kg	1.6	10	5.3	ND
			Aroclor 1268	µg/Kg	2.9	10	5.3	ND
			Total PCBs	µg/Kg	7.2	25	5.3	**29.2 J**

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Bioaccumulation Monitoring
2014 - 2015

ANNUAL SUMMARY REPORT: October 2014
DRY WEATHER

Sample Date	Station Information	Sample Information	Organics	Units	MDL	Reporting Limit	TMDL Limit [1]	Concentration
		Bat ray Rep #3	Lipids	percent	0.10	0.10	NL	**0.35**
		Myliobatis californica	Aroclor 1016	µg/Kg	1.4	10	5.3	ND
		Muscle fillet tissue	Aroclor 1221	µg/Kg	7.2	25	5.3	ND
		Disc width: 385 mm	Aroclor 1232	µg/Kg	2.1	10	5.3	ND
		Weight: 1,600 grams	Aroclor 1242	µg/Kg	1.9	10	5.3	ND
10/23/2014	MdRH-B-1		Aroclor 1248	µg/Kg	1.5	10	5.3	ND
			Aroclor 1254	µg/Kg	1.8	10	5.3	**13**
			Aroclor 1260	µg/Kg	1.9	10	5.3	**2.7 J**
			Aroclor 1262	µg/Kg	1.6	10	5.3	ND
			Aroclor 1268	µg/Kg	2.9	10	5.3	ND
			Total PCBs	µg/Kg	7.2	25	5.3	**15.7 J**
		Mussel Rep #1	Lipids	percent	0.10	0.10	NL	**0.18**
		Mytilus galloprovincialis	Aroclor 1016	µg/Kg	1.4	10	5.3	ND
		Whole body (without shell)	Aroclor 1221	µg/Kg	7.2	25	5.3	ND
		Length: 55 to 65 mm	Aroclor 1232	µg/Kg	2.1	10	5.3	ND
			Aroclor 1242	µg/Kg	1.9	10	5.3	ND
10/23/2014	MdRH-B-1		Aroclor 1248	µg/Kg	1.5	10	5.3	ND
			Aroclor 1254	µg/Kg	1.8	10	5.3	**10**
			Aroclor 1260	µg/Kg	1.9	10	5.3	ND
			Aroclor 1262	µg/Kg	1.6	10	5.3	ND
			Aroclor 1268	µg/Kg	2.9	10	5.3	ND
			Total PCBs	µg/Kg	7.2	25	5.3	**10**
		Mussel Rep #2	Lipids	percent	0.10	0.10	NL	**0.24**
		Mytilus galloprovincialis	Aroclor 1016	µg/Kg	1.4	10	5.3	ND
		Whole body (without shell)	Aroclor 1221	µg/Kg	7.2	25	5.3	ND
		Length: 55 to 65 mm	Aroclor 1232	µg/Kg	2.1	10	5.3	ND
			Aroclor 1242	µg/Kg	1.9	10	5.3	ND
10/23/2014	MdRH-B-1		Aroclor 1248	µg/Kg	1.5	10	5.3	ND
			Aroclor 1254	µg/Kg	1.8	10	5.3	**23**
			Aroclor 1260	µg/Kg	1.9	10	5.3	ND
			Aroclor 1262	µg/Kg	1.6	10	5.3	ND
			Aroclor 1268	µg/Kg	2.9	10	5.3	ND
			Total PCBs	µg/Kg	7.2	25	5.3	**23**
		Mussel Rep #3	Lipids	percent	0.10	0.10	NL	**0.42**
		Mytilus galloprovincialis	Aroclor 1016	µg/Kg	1.4	10	5.3	ND
		Whole body (without shell)	Aroclor 1221	µg/Kg	7.2	25	5.3	ND
		Length: 55 to 65 mm	Aroclor 1232	µg/Kg	2.1	10	5.3	ND
			Aroclor 1242	µg/Kg	1.9	10	5.3	ND
10/23/2014	MdRH-B-1		Aroclor 1248	µg/Kg	1.5	10	5.3	ND
			Aroclor 1254	µg/Kg	1.8	10	5.3	**24**
			Aroclor 1260	µg/Kg	1.9	10	5.3	ND
			Aroclor 1262	µg/Kg	1.6	10	5.3	ND
			Aroclor 1268	µg/Kg	2.9	10	5.3	ND
			Total PCBs	µg/Kg	7.2	25	5.3	**24**
		Mussel Rep #4	Lipids	percent	0.10	0.10	NL	**0.35**
		Mytilus galloprovincialis	Aroclor 1016	µg/Kg	1.4	10	5.3	ND
		Whole body (without shell)	Aroclor 1221	µg/Kg	7.2	25	5.3	ND
		Length: 55 to 65 mm	Aroclor 1232	µg/Kg	2.1	10	5.3	ND
			Aroclor 1242	µg/Kg	1.9	10	5.3	ND
10/23/2014	MdRH-B-1		Aroclor 1248	µg/Kg	1.5	10	5.3	ND
			Aroclor 1254	µg/Kg	1.8	10	5.3	**37**
			Aroclor 1260	µg/Kg	1.9	10	5.3	ND
			Aroclor 1262	µg/Kg	1.6	10	5.3	ND
			Aroclor 1268	µg/Kg	2.9	10	5.3	ND
			Total PCBs	µg/Kg	7.2	25	5.3	**37**

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Bioaccumulation Monitoring
2014 - 2015

ANNUAL SUMMARY REPORT: October 2014
DRY WEATHER

Sample Date	Station Information	Sample Information	Organics	Units	MDL	Reporting Limit	TMDL Limit [1]	Concentration
		Mussel Rep #5	Lipids	percent	0.10	0.10	NL	**0.16**
		Mytilus galloprovincialis	Aroclor 1016	µg/Kg	1.4	10	5.3	ND
		Whole body (without shell)	Aroclor 1221	µg/Kg	7.2	25	5.3	ND
		Length: 55 to 65 mm	Aroclor 1232	µg/Kg	2.1	10	5.3	ND
			Aroclor 1242	µg/Kg	1.9	10	5.3	ND
10/23/2014	MdRH-B-1		Aroclor 1248	µg/Kg	1.5	10	5.3	ND
			Aroclor 1254	µg/Kg	1.8	10	5.3	**23**
			Aroclor 1260	µg/Kg	1.9	10	5.3	ND
			Aroclor 1262	µg/Kg	1.6	10	5.3	ND
			Aroclor 1268	µg/Kg	2.9	10	5.3	ND
			Total PCBs	µg/Kg	7.2	25	5.3	**23**
		California halibut Rep #1	Lipids	percent	0.10	0.10	NL	**0.15**
		Paralichthys californicus	Aroclor 1016	µg/Kg	1.4	10	5.3	ND
		Muscle fillet tissue	Aroclor 1221	µg/Kg	7.2	25	5.3	ND
		Standard length: 165 mm	Aroclor 1232	µg/Kg	2.1	10	5.3	ND
		Weight: 40 grams	Aroclor 1242	µg/Kg	1.9	10	5.3	ND
10/23/2014	MdRH-B-2		Aroclor 1248	µg/Kg	1.5	10	5.3	ND
			Aroclor 1254	µg/Kg	1.8	10	5.3	**34**
			Aroclor 1260	µg/Kg	1.9	10	5.3	**12**
			Aroclor 1262	µg/Kg	1.6	10	5.3	ND
			Aroclor 1268	µg/Kg	2.9	10	5.3	ND
			Total PCBs	µg/Kg	7.2	25	5.3	**46**
		California halibut Rep #2	Lipids	percent	0.10	0.10	NL	**0.22**
		Paralichthys californicus	Aroclor 1016	µg/Kg	1.4	10	5.3	ND
		Muscle fillet tissue	Aroclor 1221	µg/Kg	7.2	25	5.3	ND
		Standard length: 154 mm	Aroclor 1232	µg/Kg	2.1	10	5.3	ND
		Weight: 50 grams	Aroclor 1242	µg/Kg	1.9	10	5.3	ND
10/23/2014	MdRH-B-2		Aroclor 1248	µg/Kg	1.5	10	5.3	ND
			Aroclor 1254	µg/Kg	1.8	10	5.3	**29**
			Aroclor 1260	µg/Kg	1.9	10	5.3	**11**
			Aroclor 1262	µg/Kg	1.6	10	5.3	ND
			Aroclor 1268	µg/Kg	2.9	10	5.3	ND
			Total PCBs	µg/Kg	7.2	25	5.3	**40**
		California halibut Rep #3	Lipids	percent	0.10	0.10	NL	**0.19**
		Paralichthys californicus	Aroclor 1016	µg/Kg	1.4	10	5.3	ND
		Muscle fillet tissue	Aroclor 1221	µg/Kg	7.2	25	5.3	ND
		Standard length: 159 mm	Aroclor 1232	µg/Kg	2.1	10	5.3	ND
		Weight: 65 grams	Aroclor 1242	µg/Kg	1.9	10	5.3	ND
10/23/2014	MdRH-B-2		Aroclor 1248	µg/Kg	1.5	10	5.3	ND
			Aroclor 1254	µg/Kg	1.8	10	5.3	**38**
			Aroclor 1260	µg/Kg	1.9	10	5.3	**13**
			Aroclor 1262	µg/Kg	1.6	10	5.3	ND
			Aroclor 1268	µg/Kg	2.9	10	5.3	ND
			Total PCBs	µg/Kg	7.2	25	5.3	**51**
		California halibut Rep #4	Lipids	percent	0.10	0.10	NL	**0.14**
		Paralichthys californicus	Aroclor 1016	µg/Kg	1.4	10	5.3	ND
		Muscle fillet tissue	Aroclor 1221	µg/Kg	7.2	25	5.3	ND
		Standard length: 156 mm	Aroclor 1232	µg/Kg	2.1	10	5.3	ND
		Weight: 55 grams	Aroclor 1242	µg/Kg	1.9	10	5.3	ND
10/23/2014	MdRH-B-2		Aroclor 1248	µg/Kg	1.5	10	5.3	ND
			Aroclor 1254	µg/Kg	1.8	10	5.3	**28**
			Aroclor 1260	µg/Kg	1.9	10	5.3	**10**
			Aroclor 1262	µg/Kg	1.6	10	5.3	ND
			Aroclor 1268	µg/Kg	2.9	10	5.3	ND
			Total PCBs	µg/Kg	7.2	25	5.3	**38**

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Bioaccumulation Monitoring
2014 - 2015

ANNUAL SUMMARY REPORT: October 2014
DRY WEATHER

Sample Date	Station Information	Sample Information	Organics	Units	MDL	Reporting Limit	TMDL Limit [1]	Concentration
		Bat ray Rep #1	Lipids	percent	0.10	0.10	NL	**0.38**
		Myliobatis californica	Aroclor 1016	µg/Kg	1.4	10	5.3	ND
		Muscle fillet tissue	Aroclor 1221	µg/Kg	7.2	25	5.3	ND
		Disc width: 312 mm	Aroclor 1232	µg/Kg	2.1	10	5.3	ND
		Weight: 420 grams	Aroclor 1242	µg/Kg	1.9	10	5.3	ND
10/23/2014	MdRH-B-2		Aroclor 1248	µg/Kg	1.5	10	5.3	ND
			Aroclor 1254	µg/Kg	1.8	10	5.3	ND
			Aroclor 1260	µg/Kg	1.9	10	5.3	ND
			Aroclor 1262	µg/Kg	1.6	10	5.3	ND
			Aroclor 1268	µg/Kg	2.9	10	5.3	ND
			Total PCBs	µg/Kg	7.2	25	5.3	ND
		Bat ray Rep #2	Lipids	percent	0.10	0.10	NL	**0.52**
		Myliobatis californica	Aroclor 1016	µg/Kg	1.4	10	5.3	ND
		Muscle fillet tissue	Aroclor 1221	µg/Kg	7.2	25	5.3	ND
		Disc width: 269 mm	Aroclor 1232	µg/Kg	2.1	10	5.3	ND
		Weight: 310 grams	Aroclor 1242	µg/Kg	1.9	10	5.3	ND
10/23/2014	MdRH-B-2		Aroclor 1248	µg/Kg	1.5	10	5.3	ND
			Aroclor 1254	µg/Kg	1.8	10	5.3	**16**
			Aroclor 1260	µg/Kg	1.9	10	5.3	**3.8 J**
			Aroclor 1262	µg/Kg	1.6	10	5.3	ND
			Aroclor 1268	µg/Kg	2.9	10	5.3	ND
			Total PCBs	µg/Kg	7.2	25	5.3	**19.8 J**
		Mussel Rep #1	Lipids	percent	0.10	0.10	NL	**0.26**
		Mytilus galloprovincialis	Aroclor 1016	µg/Kg	1.4	10	5.3	ND
		Whole body (without shell)	Aroclor 1221	µg/Kg	7.2	25	5.3	ND
		Length: 55 to 65 mm	Aroclor 1232	µg/Kg	2.1	10	5.3	ND
			Aroclor 1242	µg/Kg	1.9	10	5.3	ND
10/23/2014	MdRH-B-2		Aroclor 1248	µg/Kg	1.5	10	5.3	ND
			Aroclor 1254	µg/Kg	1.8	10	5.3	**38**
			Aroclor 1260	µg/Kg	1.9	10	5.3	ND
			Aroclor 1262	µg/Kg	1.6	10	5.3	ND
			Aroclor 1268	µg/Kg	2.9	10	5.3	ND
			Total PCBs	µg/Kg	7.2	25	5.3	**38**
		Mussel Rep #2	Lipids	percent	0.10	0.10	NL	**0.51**
		Mytilus galloprovincialis	Aroclor 1016	µg/Kg	1.4	10	5.3	ND
		Whole body (without shell)	Aroclor 1221	µg/Kg	7.2	25	5.3	ND
		Length: 55 to 65 mm	Aroclor 1232	µg/Kg	2.1	10	5.3	ND
			Aroclor 1242	µg/Kg	1.9	10	5.3	ND
10/23/2014	MdRH-B-2		Aroclor 1248	µg/Kg	1.5	10	5.3	ND
			Aroclor 1254	µg/Kg	1.8	10	5.3	**50**
			Aroclor 1260	µg/Kg	1.9	10	5.3	ND
			Aroclor 1262	µg/Kg	1.6	10	5.3	ND
			Aroclor 1268	µg/Kg	2.9	10	5.3	ND
			Total PCBs	µg/Kg	7.2	25	5.3	**50**
		Mussel Rep #3	Lipids	percent	0.10	0.10	NL	**0.59**
		Mytilus galloprovincialis	Aroclor 1016	µg/Kg	1.4	10	5.3	ND
		Whole body (without shell)	Aroclor 1221	µg/Kg	7.2	25	5.3	ND
		Length: 55 to 65 mm	Aroclor 1232	µg/Kg	2.1	10	5.3	ND
			Aroclor 1242	µg/Kg	1.9	10	5.3	ND
10/23/2014	MdRH-B-2		Aroclor 1248	µg/Kg	1.5	10	5.3	ND
			Aroclor 1254	µg/Kg	1.8	10	5.3	**57**
			Aroclor 1260	µg/Kg	1.9	10	5.3	ND
			Aroclor 1262	µg/Kg	1.6	10	5.3	ND
			Aroclor 1268	µg/Kg	2.9	10	5.3	ND
			Total PCBs	µg/Kg	7.2	25	5.3	**57**

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Bioaccumulation Monitoring
2014 - 2015

ANNUAL SUMMARY REPORT: October 2014
DRY WEATHER

Sample Date	Station Information	Sample Information	Organics	Units	MDL	Reporting Limit	TMDL Limit [1]	Concentration
		Mussel Rep #4	Lipids	percent	0.10	0.10	NL	**0.45**
		Mytilus galloprovincialis	Aroclor 1016	µg/Kg	1.4	10	5.3	ND
		Whole body (without shell)	Aroclor 1221	µg/Kg	7.2	25	5.3	ND
		Length: 55 to 65 mm	Aroclor 1232	µg/Kg	2.1	10	5.3	ND
			Aroclor 1242	µg/Kg	1.9	10	5.3	ND
10/23/2014	MdRH-B-2		Aroclor 1248	µg/Kg	1.5	10	5.3	ND
			Aroclor 1254	µg/Kg	1.8	10	5.3	**53**
			Aroclor 1260	µg/Kg	1.9	10	5.3	ND
			Aroclor 1262	µg/Kg	1.6	10	5.3	ND
			Aroclor 1268	µg/Kg	2.9	10	5.3	ND
			Total PCBs	µg/Kg	7.2	25	5.3	**53**
		Mussel Rep #5	Lipids	percent	0.10	0.10	NL	**0.41**
		Mytilus galloprovincialis	Aroclor 1016	µg/Kg	1.4	10	5.3	ND
		Whole body (without shell)	Aroclor 1221	µg/Kg	7.2	25	5.3	ND
		Length: 55 to 65 mm	Aroclor 1232	µg/Kg	2.1	10	5.3	ND
			Aroclor 1242	µg/Kg	1.9	10	5.3	ND
10/23/2014	MdRH-B-2		Aroclor 1248	µg/Kg	1.5	10	5.3	ND
			Aroclor 1254	µg/Kg	1.8	10	5.3	**160**
			Aroclor 1260	µg/Kg	1.9	10	5.3	ND
			Aroclor 1262	µg/Kg	1.6	10	5.3	ND
			Aroclor 1268	µg/Kg	2.9	10	5.3	ND
			Total PCBs	µg/Kg	7.2	25	5.3	**160**
		California halibut Rep #1	Lipids	percent	0.10	0.10	NL	**0.25**
		Paralichthys californicus	Aroclor 1016	µg/Kg	1.4	10	5.3	ND
		Muscle fillet tissue	Aroclor 1221	µg/Kg	7.2	25	5.3	ND
		Standard length: 163 mm	Aroclor 1232	µg/Kg	2.1	10	5.3	ND
		Weight: 65 grams	Aroclor 1242	µg/Kg	1.9	10	5.3	ND
10/23/2014	MdRH-B-3		Aroclor 1248	µg/Kg	1.5	10	5.3	ND
			Aroclor 1254	µg/Kg	1.8	10	5.3	**36**
			Aroclor 1260	µg/Kg	1.9	10	5.3	**13**
			Aroclor 1262	µg/Kg	1.6	10	5.3	ND
			Aroclor 1268	µg/Kg	2.9	10	5.3	ND
			Total PCBs	µg/Kg	7.2	25	5.3	**49**
		California halibut Rep #2	Lipids	percent	0.10	0.10	NL	**0.33**
		Paralichthys californicus	Aroclor 1016	µg/Kg	1.4	10	5.3	ND
		Muscle fillet tissue	Aroclor 1221	µg/Kg	7.2	25	5.3	ND
		Standard length: 170 mm	Aroclor 1232	µg/Kg	2.1	10	5.3	ND
		Weight: 90 grams	Aroclor 1242	µg/Kg	1.9	10	5.3	ND
10/23/2014	MdRH-B-3		Aroclor 1248	µg/Kg	1.5	10	5.3	ND
			Aroclor 1254	µg/Kg	1.8	10	5.3	**32**
			Aroclor 1260	µg/Kg	1.9	10	5.3	**10**
			Aroclor 1262	µg/Kg	1.6	10	5.3	ND
			Aroclor 1268	µg/Kg	2.9	10	5.3	ND
			Total PCBs	µg/Kg	7.2	25	5.3	**42**
		California halibut Rep #3	Lipids	percent	0.10	0.10	NL	**0.15**
		Paralichthys californicus	Aroclor 1016	µg/Kg	1.4	10	5.3	ND
		Muscle fillet tissue	Aroclor 1221	µg/Kg	7.2	25	5.3	ND
		Standard length: 195 mm	Aroclor 1232	µg/Kg	2.1	10	5.3	ND
		Weight: 140 grams	Aroclor 1242	µg/Kg	1.9	10	5.3	ND
10/23/2014	MdRH-B-3		Aroclor 1248	µg/Kg	1.5	10	5.3	ND
			Aroclor 1254	µg/Kg	1.8	10	5.3	**23**
			Aroclor 1260	µg/Kg	1.9	10	5.3	**7.1 J**
			Aroclor 1262	µg/Kg	1.6	10	5.3	ND
			Aroclor 1268	µg/Kg	2.9	10	5.3	ND
			Total PCBs	µg/Kg	7.2	25	5.3	**30.1 J**

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Bioaccumulation Monitoring
2014 - 2015

ANNUAL SUMMARY REPORT: October 2014
DRY WEATHER

Sample Date	Station Information	Sample Information	Organics	Units	MDL	Reporting Limit	TMDL Limit [1]	Concentration
10/23/2014	MdRH-B-3	California halibut Rep #4 Paralichthys californicus Muscle fillet tissue Standard length: 158 mm Weight: 75 grams	Lipids	percent	0.10	0.10	NL	**0.28**
			Aroclor 1016	µg/Kg	1.4	10	5.3	ND
			Aroclor 1221	µg/Kg	7.2	25	5.3	ND
			Aroclor 1232	µg/Kg	2.1	10	5.3	ND
			Aroclor 1242	µg/Kg	1.9	10	5.3	ND
			Aroclor 1248	µg/Kg	1.5	10	5.3	ND
			Aroclor 1254	µg/Kg	1.8	10	5.3	**32**
			Aroclor 1260	µg/Kg	1.9	10	5.3	**11**
			Aroclor 1262	µg/Kg	1.6	10	5.3	ND
			Aroclor 1268	µg/Kg	2.9	10	5.3	ND
			Total PCBs	µg/Kg	7.2	25	5.3	**43**
10/23/2014	MdRH-B-3	Mussel Rep #1 Mytilus galloprovincialis Whole body (without shell) Length: 55 to 65 mm	Lipids	percent	0.10	0.10	NL	**1.4**
			Aroclor 1016	µg/Kg	1.4	10	5.3	ND
			Aroclor 1221	µg/Kg	7.2	25	5.3	ND
			Aroclor 1232	µg/Kg	2.1	10	5.3	ND
			Aroclor 1242	µg/Kg	1.9	10	5.3	ND
			Aroclor 1248	µg/Kg	1.5	10	5.3	ND
			Aroclor 1254	µg/Kg	1.8	10	5.3	**140**
			Aroclor 1260	µg/Kg	1.9	10	5.3	ND
			Aroclor 1262	µg/Kg	1.6	10	5.3	ND
			Aroclor 1268	µg/Kg	2.9	10	5.3	ND
			Total PCBs	µg/Kg	7.2	25	5.3	**140**
10/23/2014	MdRH-B-3	Mussel Rep #2 Mytilus galloprovincialis Whole body (without shell) Length: 55 to 65 mm	Lipids	percent	0.10	0.10	NL	**1.2**
			Aroclor 1016	µg/Kg	1.4	10	5.3	ND
			Aroclor 1221	µg/Kg	7.2	25	5.3	ND
			Aroclor 1232	µg/Kg	2.1	10	5.3	ND
			Aroclor 1242	µg/Kg	1.9	10	5.3	ND
			Aroclor 1248	µg/Kg	1.5	10	5.3	ND
			Aroclor 1254	µg/Kg	1.8	10	5.3	**110**
			Aroclor 1260	µg/Kg	1.9	10	5.3	ND
			Aroclor 1262	µg/Kg	1.6	10	5.3	ND
			Aroclor 1268	µg/Kg	2.9	10	5.3	ND
			Total PCBs	µg/Kg	7.2	25	5.3	**110**
10/23/2014	MdRH-B-3	Mussel Rep #3 Mytilus galloprovincialis Whole body (without shell) Length: 55 to 65 mm	Lipids	percent	0.10	0.10	NL	**1.3**
			Aroclor 1016	µg/Kg	1.4	10	5.3	ND
			Aroclor 1221	µg/Kg	7.2	25	5.3	ND
			Aroclor 1232	µg/Kg	2.1	10	5.3	ND
			Aroclor 1242	µg/Kg	1.9	10	5.3	ND
			Aroclor 1248	µg/Kg	1.5	10	5.3	ND
			Aroclor 1254	µg/Kg	1.8	10	5.3	**140**
			Aroclor 1260	µg/Kg	1.9	10	5.3	ND
			Aroclor 1262	µg/Kg	1.6	10	5.3	ND
			Aroclor 1268	µg/Kg	2.9	10	5.3	ND
			Total PCBs	µg/Kg	7.2	25	5.3	**140**
10/23/2014	MdRH-B-3	Mussel Rep #4 Mytilus galloprovincialis Whole body (without shell) Length: 55 to 65 mm	Lipids	percent	0.10	0.10	NL	**0.66**
			Aroclor 1016	µg/Kg	1.4	10	5.3	ND
			Aroclor 1221	µg/Kg	7.2	25	5.3	ND
			Aroclor 1232	µg/Kg	2.1	10	5.3	ND
			Aroclor 1242	µg/Kg	1.9	10	5.3	ND
			Aroclor 1248	µg/Kg	1.5	10	5.3	ND
			Aroclor 1254	µg/Kg	1.8	10	5.3	**70**
			Aroclor 1260	µg/Kg	1.9	10	5.3	ND
			Aroclor 1262	µg/Kg	1.6	25	5.3	ND
			Aroclor 1268	µg/Kg	2.9	10	5.3	ND
			Total PCBs	µg/Kg	7.2	25	5.3	**70**

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Bioaccumulation Monitoring
2014 - 2015

ANNUAL SUMMARY REPORT: October 2014
DRY WEATHER

Sample Date	Station Information	Sample Information	Organics	Units	MDL	Reporting Limit	TMDL Limit [1]	Concentration
		Mussel Rep #5	Lipids	percent	0.10	0.10	NL	**0.97**
		Mytilus galloprovincialis	Aroclor 1016	µg/Kg	1.4	10	5.3	ND
		Whole body (without shell)	Aroclor 1221	µg/Kg	7.2	25	5.3	ND
		Length: 55 to 65 mm	Aroclor 1232	µg/Kg	2.1	10	5.3	ND
			Aroclor 1242	µg/Kg	1.9	10	5.3	ND
10/23/2014	MdRH-B-3		Aroclor 1248	µg/Kg	1.5	10	5.3	ND
			Aroclor 1254	µg/Kg	1.8	10	5.3	**87**
			Aroclor 1260	µg/Kg	1.9	10	5.3	ND
			Aroclor 1262	µg/Kg	1.6	10	5.3	ND
			Aroclor 1268	µg/Kg	2.9	10	5.3	ND
			Total PCBs	µg/Kg	7.2	25	5.3	**87**
		White croaker Rep #1	Lipids	percent	0.10	0.10	NL	**2.5**
		Genyonemus lineatus	Aroclor 1016	µg/Kg	1.4	10	5.3	ND
		Muscle fillet tissue	Aroclor 1221	µg/Kg	7.2	25	5.3	ND
		Standard length: 110 mm	Aroclor 1232	µg/Kg	2.1	10	5.3	ND
		Weight: 30 grams	Aroclor 1242	µg/Kg	1.9	10	5.3	ND
10/23/2014	MdRH-B-3		Aroclor 1248	µg/Kg	1.5	10	5.3	ND
			Aroclor 1254	µg/Kg	1.8	10	5.3	**150**
			Aroclor 1260	µg/Kg	1.9	10	5.3	**37**
			Aroclor 1262	µg/Kg	1.6	10	5.3	ND
			Aroclor 1268	µg/Kg	2.9	10	5.3	ND
			Total PCBs	µg/Kg	7.2	25	5.3	**187**
		White croaker Rep #2	Lipids	percent	0.10	0.10	NL	**3.7**
		Genyonemus lineatus	Aroclor 1016	µg/Kg	1.4	10	5.3	ND
		Muscle fillet tissue	Aroclor 1221	µg/Kg	7.2	25	5.3	ND
		Standard length: 114 mm	Aroclor 1232	µg/Kg	2.1	10	5.3	ND
		Weight: 35 grams	Aroclor 1242	µg/Kg	1.9	10	5.3	ND
10/23/2014	MdRH-B-3		Aroclor 1248	µg/Kg	1.5	10	5.3	ND
			Aroclor 1254	µg/Kg	3.6	20	5.3	**260**
			Aroclor 1260	µg/Kg	1.9	10	5.3	**46**
			Aroclor 1262	µg/Kg	1.6	10	5.3	ND
			Aroclor 1268	µg/Kg	2.9	10	5.3	ND
			Total PCBs	µg/Kg	7.2	25	5.3	**306**

Notes:

Detections are indicated in **bold**

MDL - Method Detection Limit

µg/Kg - microgram per kilogram, wet weight basis

ND - Analyte not detected at or above the method detection limit

NL - No limit listed in TMDL

Reporting Limit - lowest concentration for which quantitative data are reported

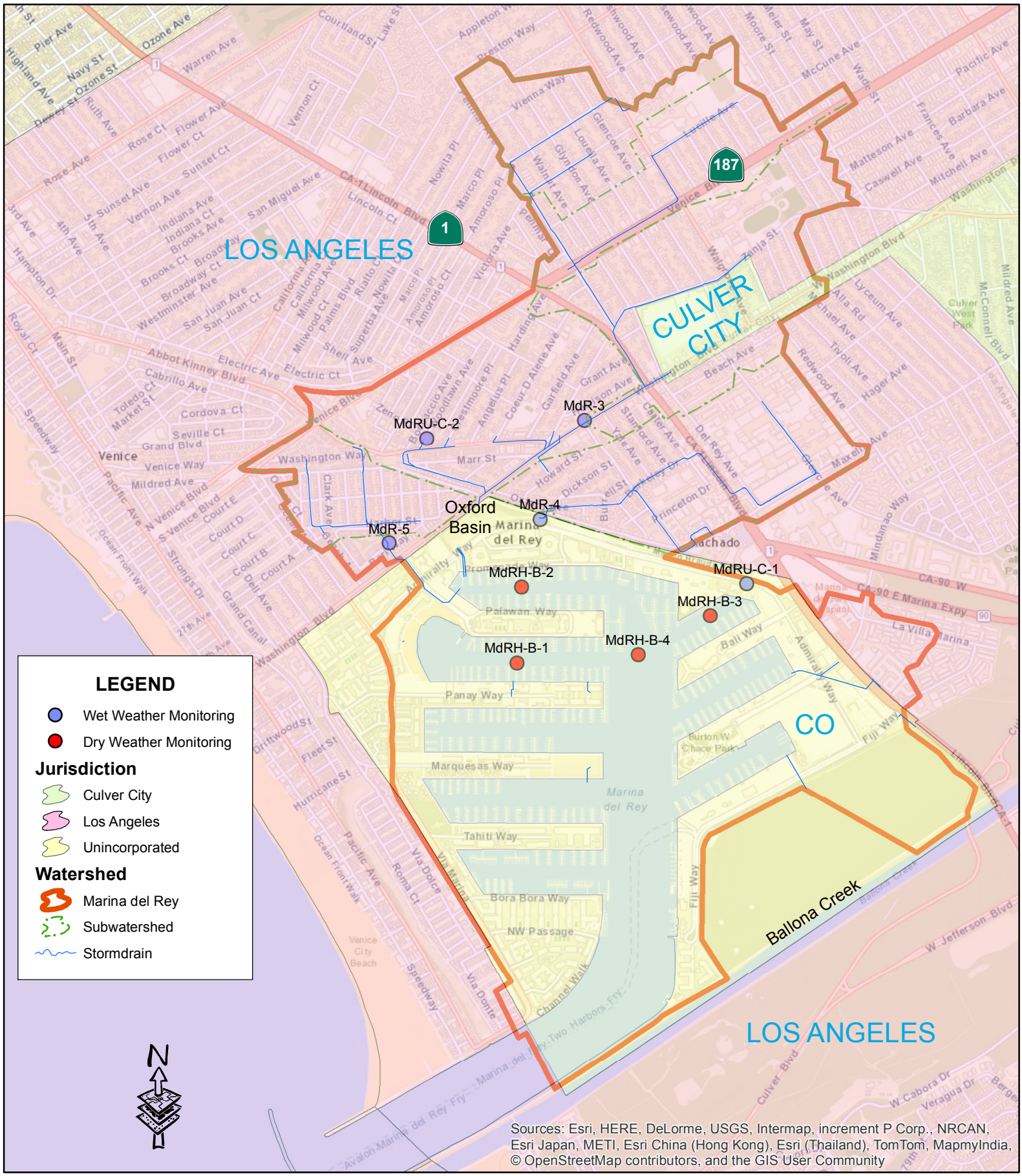
TMDL Limit - Numeric Target specified by the MDR Harbor Toxics TMDL

[1] TMDL Limit of 5.3 µg/kg for PCBs is for Total PCBs

This page intentionally left blank.

Monitoring Locations

This page intentionally left blank.



Marina del Rey Harbor Toxic Pollutants TMDL Coordinated Monitoring Plan Location Map

Miles
0.5 0.25 0

This page intentionally left blank.

Laboratory Certifications

This page intentionally left blank.

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM BRANCH

CERTIFICATE OF ENVIRONMENTAL LABORATORY ACCREDITATION

Is hereby granted to

Calscience Environmental Laboratories, Inc.

7440 Lincoln Way

Garden Grove, CA 92841-1427

Scope of the certificate is limited to the
"Fields of Testing"
which accompany this Certificate.

Continued accredited status depends on successful completion of on-site, proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **2803**

Expiration Date: **06/30/2016**

Effective Date: **07/01/2014**

Richmond, California
subject to forfeiture or revocation

Fred Chosk for
David Mazzera, Ph.D., Assistant Division Chief
Division of Drinking Water and Environmental Management

CALIFORNIA
Water Boards
STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

CERTIFICATE OF ENVIRONMENTAL ACCREDITATION

Is hereby granted to

Eurofins Calscience, Inc.

7440 Lincoln Way

Garden Grove, CA 92841-1427

Scope of the certificate is limited to the
"Fields of Testing"
which accompany this Certificate.

Continued accredited status depends on successful completion of on-site inspection, proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of
Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **2944**

Expiration Date: **9/30/2016**

Effective Date: **10/1/2014**

Sacramento, California
subject to forfeiture or revocation

Christine Sotelo, Chief
Environmental Laboratory Accreditation Program

OREGON

Environmental Laboratory Accreditation Program

NELAP Recognized

Calscience Environmental Laboratories, Inc

CA300001

7440 Lincoln Way

Garden Grove,CA 92841-1427

IS GRANTED APPROVAL BY ORELAP UNDER THE 2009 TNI STANDARDS, TO PERFORM ANALYSES ON ENVIRONMENTAL SAMPLES IN MATRICES AS LISTED BELOW :

Air	*Drinking Water*	*Non Potable Water*	*Solids and Chem. Waste*	*Tissue*
Chemistry	Chemistry	Chemistry	Chemistry	

AND AS RECORDED IN THE LIST OF APPROVED ANALYTES, METHODS, ANALYTICAL TECHNIQUES, AND FIELDS OF TESTING ISSUED CONCURRENTLY WITH THIS CERTIFICATE AND REVISED AS NECESSARY.

ACCREDITED STATUS DEPENDS ON SUCCESSFUL ONGOING PARTICIPATION IN THE PROGRAM AND CONTINUED COMPLIANCE WITH THE STANDARDS.

CUSTOMERS ARE URGED TO VERIFY THE LABORATORY'S CURRENT ACCREDITATION STATUS IN OREGON.

Gary K. Ward, MS
Oregon State Public Health Laboratory
ORELAP Administrator
3150 NW. 229th Ave, Suite 100
Hillsboro, OR 97124

ISSUE DATE: 01/30/2014

EXPIRATION DATE: 01/29/2015

Certificate No: CA300001 - 007

OREGON

Environmental Laboratory Accreditation Program

NELAP Recognized

Eurofins Calscience, Inc.

CA300001

7440 Lincoln Way

Garden Grove,CA 92841-1427

IS GRANTED APPROVAL BY ORELAP UNDER THE 2009 TNI STANDARDS, TO PERFORM ANALYSES ON ENVIRONMENTAL SAMPLES IN MATRICES AS LISTED BELOW :

Air	*Drinking Water*	*Non Potable Water*	*Solids and Chem. Waste*	*Tissue*
Chemistry	Chemistry	Chemistry	Chemistry	

AND AS RECORDED IN THE LIST OF APPROVED ANALYTES, METHODS, ANALYTICAL TECHNIQUES, AND FIELDS OF TESTING ISSUED CONCURRENTLY WITH THIS CERTIFICATE AND REVISED AS NECESSARY.

ACCREDITED STATUS DEPENDS ON SUCCESSFUL ONGOING PARTICIPATION IN THE PROGRAM AND CONTINUED COMPLIANCE WITH THE STANDARDS.

CUSTOMERS ARE URGED TO VERIFY THE LABORATORY'S CURRENT ACCREDITATION STATUS IN OREGON.

Gary K. Ward, MS
Oregon State Public Health Laboratory
ORELAP Administrator
3150 NW. 229th Ave, Suite 100
Hillsboro, OR 97124

ISSUE DATE: 01/30/2015

EXPIRATION DATE: 01/29/2016

Certificate No: CA300001 - 009

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM BRANCH

CERTIFICATE OF ENVIRONMENTAL ACCREDITATION

Is hereby granted to

Nautilus Environmental, LLC

San Diego Aquatic & Terrestrial Toxicology Laboratory

4340 Vandever Avenue

San Diego, CA 92120

Scope of the certificate is limited to the
"Fields of Testing"
which accompany this Certificate.

Continued accredited status depends on successful completion of on-site, proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **1802**

Expiration Date: **09/30/2014**

Effective Date: **10/01/2012**

Richmond, California
subject to forfeiture or revocation

David Mazzera, Ph.D., Assistant Division Chief
Division of Drinking Water and Environmental Management

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

CERTIFICATE OF ENVIRONMENTAL LABORATORY ACCREDITATION

Is hereby granted to

Nautilus Environmental

California

4340 Vandever Avenue

San Diego, CA 92120

Scope of the certificate is limited to the
"Fields of Testing"
which accompany this Certificate.

Continued accredited status depends on successful completion of on-site, proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **1802**

Expiration Date: **09/30/2016**

Effective Date: **10/01/2014**

Richmond, California
subject to forfeiture or revocation

Christine Sotelo, Chief
California State Environmental Laboratory Accreditation Program

OREGON

Environmental Laboratory Accreditation Program

NELAP Recognized

Nautilus Environmental

4053

4340 Vandever Avenue

San Diego,CA 92120

IS GRANTED APPROVAL BY ORELAP UNDER THE 2009 TNI STANDARDS, TO PERFORM ANALYSES ON ENVIRONMENTAL SAMPLES IN MATRICES AS LISTED BELOW :

Air	*Drinking Water*	*Non Potable Water*	*Solids and Chem. Waste*	*Tissue*
		Chemistry	Chemistry	
		Toxicity Testing	Toxicity Testing	

AND AS RECORDED IN THE LIST OF APPROVED ANALYTES, METHODS, ANALYTICAL TECHNIQUES, AND FIELDS OF TESTING ISSUED CONCURRENTLY WITH THIS CERTIFICATE AND REVISED AS NECESSARY.

ACCREDITED STATUS DEPENDS ON SUCCESSFUL ONGOING PARTICIPATION IN THE PROGRAM AND CONTINUED COMPLIANCE WITH THE STANDARDS.

CUSTOMERS ARE URGED TO VERIFY THE LABORATORY'S CURRENT ACCREDITATION STATUS IN OREGON.

Gary K. Ward, MS

Oregon State Public Health Laboratory

ORELAP Administrator

3150 NW. 229th Ave, Suite 100

Hillsboro, OR 97124

ISSUE DATE: 09/19/2014

EXPIRATION DATE: 09/18/2015

Certificate No: 4053 - 001