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

MONITORING RESULTS
August 2015 to June 2016

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)

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Storm Water Quality Data

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Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Wet-Weather Monitoring
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WET WEATHER MONITORING SUMMARY REPORT QUALIFYING STORM EVENT #2								
Sample Date	**Station Information**	**Hardness (mg/L)**	**Metal**	**Units**	**MDL**	**Reporting Limit**	**Total Recoverable Concentration**	**Dissolved Concentration**
12/21/2015	MdR-3 Washington Boulevard and Thatcher Avenue	**85**	Copper Lead Zinc	µg/L µg/L µg/L	2.67 4.06 3.52	10.0 10.0 10.0	**154** **21.3** **1060**	**29.5** ND **119**
12/21/2015	MdR-4 Oxford Flood Control Basin	NS	Copper Lead Zinc	µg/L µg/L µg/L	NS NS NS	NS NS NS	NS NS NS	NS NS NS
12/21/2015	MdR-5 Boone-Olive Pump Station	NS	Copper Lead Zinc	µg/L µg/L µg/L	NS NS NS	NS NS NS	NS NS NS	NS NS NS
12/21/2015	MdRU-C1 Under-represented located north of Bali and Admiralty Ways	**18**	Copper Lead Zinc	µg/L µg/L µg/L	2.67 4.06 3.52	10.0 10.0 10.0	**43.5** **6.97 J** **170**	**23.9** ND **129**
12/21/2015	MdRU-C2 Under-represented located north of Abbot Kinney Boulevard and Woodlawn Avenue	NS	Copper Lead Zinc	µg/L µg/L µg/L	NS NS NS	NS NS NS	NS NS NS	NS NS NS

Notes:

Detections are indicated in **bold**

Hardness reporting limit is 2.0 mg/L for MdRU-C1 and is 10 mg/L for MdR-3

MDL - Method Detection Limit

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

NS - No sample was collected for this station

Samples were not collected at MdR-4 due to on-going construction related to the Oxford Basin Multiuse Enhancement Project.

Samples were not collected at MdR-5 due to equipment issues and at MdRU-C2 due to low flow.

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

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WET WEATHER MONITORING SUMMARY REPORT QUALIFYING STORM EVENT #3								
Sample Date	**Station Information**	**Hardness (mg/L)**	**Metal**	**Units**	**MDL**	**Reporting Limit**	**Total Recoverable Concentration**	**Dissolved Concentration**
1/7/2016	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	**21.8** ND **177**	**8.19 J** ND **90.8**
1/7/2016	MdR-4 Oxford Flood Control Basin	NS	Copper Lead Zinc	µg/L µg/L µg/L	NS NS NS	NS NS NS	NS NS NS	NS NS NS
1/7/2016	MdR-5 Boone-Olive Pump Station	510	Copper Lead Zinc	µg/L µg/L µg/L	2.67 4.06 3.52	10.0 10.0 10.0	**23.9** ND **127**	**8.01 J** ND **52.7**
1/7/2016	MdRU-C1 Under-represented located north of Bali and Admiralty Ways	**55**	Copper Lead Zinc	µg/L µg/L µg/L	2.67 4.06 3.52	10.0 10.0 10.0	**34.0** ND **206**	**12.8** ND **88.1**
1/7/2016	MdRU-C2 Under-represented located north of Abbot Kinney Boulevard and Woodlawn Avenue	19	Copper Lead Zinc	µg/L µg/L µg/L	2.67 4.06 3.52	10.0 10.0 10.0	**31.7** **23.5** **195**	**2.80 J** ND **35.7**

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
- NS - No sample was collected for this station
  - Samples were not collected at MdR-4 due to on-going construction related to the Oxford Basin Multiuse Enhancement Project.
- 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

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WET WEATHER MONITORING SUMMARY REPORT QUALIFYING STORM EVENT #4								
Sample Date	**Station Information**	**Hardness (mg/L)**	**Metal**	**Units**	**MDL**	**Reporting Limit**	**Total Recoverable Concentration**	**Dissolved Concentration**
2/1/2016	MdR-3 Washington Boulevard and Thatcher Avenue	**30**	Copper Lead Zinc	µg/L µg/L µg/L	2.67 4.06 3.52	10.0 10.0 10.0	**56.0** **6.30 J** **237**	**42.7** ND **200**
2/1/2016	MdR-4 Oxford Flood Control Basin	NS	Copper Lead Zinc	µg/L µg/L µg/L	NS NS NS	NS NS NS	NS NS NS	NS NS NS
2/1/2016	MdR-5 Boone-Olive Pump Station	NS	Copper Lead Zinc	µg/L µg/L µg/L	NS NS NS	NS NS NS	NS NS NS	NS NS NS
2/1/2016	MdRU-C1 Under-represented located north of Bali and Admiralty Ways	**33**	Copper Lead Zinc	µg/L µg/L µg/L	2.67 4.06 3.52	10.0 10.0 10.0	**47.3** **4.86 J** **176**	**39.2** ND **133**
2/1/2016	MdRU-C2 Under-represented located north of Abbot Kinney Boulevard and Woodlawn Avenue	NS	Copper Lead Zinc	µg/L µg/L µg/L	NS NS NS	NS NS NS	NS NS NS	NS NS NS

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
- NS - No sample was collected for this station
  - Samples were not collected at MdR-4 due to on-going construction related to the Oxford Basin Multiuse Enhancement Project.
  - Samples were not collected at MdR-5 due to equipment issues and at MdRU-C2 due to low flow.
- 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

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WET WEATHER MONITORING SUMMARY REPORT QUALIFYING STORM EVENT #5								
Sample Date	**Station Information**	**Hardness (mg/L)**	**Metal**	**Units**	**MDL**	**Reporting Limit**	**Total Recoverable Concentration**	**Dissolved Concentration**
2/19/2016	MdR-3 Washington Boulevard and Thatcher Avenue	**24**	Copper Lead Zinc	µg/L µg/L µg/L	2.67 4.06 3.52	10.0 10.0 10.0	**40.1** **8.97 J** **226**	**22.3** ND **129**
2/19/2016	MdR-4 Oxford Flood Control Basin	NS	Copper Lead Zinc	µg/L µg/L µg/L	NS NS NS	NS NS NS	NS NS NS	NS NS NS
2/19/2016	MdR-5 Boone-Olive Pump Station	**440**	Copper Lead Zinc	µg/L µg/L µg/L	2.67 4.06 3.52	10.0 10.0 10.0	**41.7** ND **163**	**29.9** ND **102**
2/19/2016	MdRU-C1 Under-represented located north of Bali and Admiralty Ways	**27**	Copper Lead Zinc	µg/L µg/L µg/L	2.67 4.06 3.52	10.0 10.0 10.0	**75.1** **14.8** **247**	**32.6** ND **119**
2/19/2016	MdRU-C2 Under-represented located north of Abbot Kinney Boulevard and Woodlawn Avenue	**11**	Copper Lead Zinc	µg/L µg/L µg/L	2.67 4.06 3.52	10.0 10.0 10.0	**20.6** ND **71.0**	**14.8** ND **62.6**

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
- NS - No sample was collected for this station
  - Samples were not collected at MdR-4 due to on-going construction related to the Oxford Basin Multiuse Enhancement Project.
- 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

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WET WEATHER MONITORING SUMMARY REPORT QUALIFYING STORM EVENT #6								
Sample Date	**Station Information**	**Hardness (mg/L)**	**Metal**	**Units**	**MDL**	**Reporting Limit**	**Total Recoverable Concentration**	**Dissolved Concentration**
3/8/2016	MdR-3 Washington Boulevard and Thatcher Avenue	**18**	Copper Lead Zinc	µg/L µg/L µg/L	2.67 4.06 3.52	10.0 10.0 10.0	**24.7** **9.06 J** **197**	**9.99 J** ND **92.9**
3/8/2016	MdR-4 Oxford Flood Control Basin	NS	Copper Lead Zinc	µg/L µg/L µg/L	NS NS NS	NS NS NS	NS NS NS	NS NS NS
3/8/2016	MdR-5 Boone-Olive Pump Station	**220**	Copper Lead Zinc	µg/L µg/L µg/L	2.67 4.06 3.52	10.0 10.0 10.0	**40.9** **9.27 J** **171**	**10.4** ND **72.1**
3/8/2016	MdRU-C1 Under-represented located north of Bali and Admiralty Ways	**17**	Copper Lead Zinc	µg/L µg/L µg/L	2.67 4.06 3.52	10.0 10.0 10.0	**16.4** ND **85.8**	**8.31 J** ND **52.9**
3/8/2016	MdRU-C2 Under-represented located north of Abbot Kinney Boulevard and Woodlawn Avenue	**18**	Copper Lead Zinc	µg/L µg/L µg/L	2.67 4.06 3.52	10.0 10.0 10.0	**31.5** **14.5** **180**	**15.4** ND **59.9**

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
- NS - No sample was collected for this station
  - Samples were not collected at MdR-4 due to on-going construction related to the Oxford Basin Multiuse Enhancement Project.
- 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

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WET WEATHER MONITORING SUMMARY REPORT QUALIFYING STORM EVENT #7								
Sample Date	**Station Information**	**Hardness (mg/L)**	**Metal**	**Units**	**MDL**	**Reporting Limit**	**Total Recoverable Concentration**	**Dissolved Concentration**
3/14/2016	MdR-3 Washington Boulevard and Thatcher Avenue	**23**	Copper	µg/L	2.67	10.0	**50.3**	**17.1**
			Lead	µg/L	4.06	10.0	**21.4**	ND
			Zinc	µg/L	3.52	10.0	**291**	**159**
3/14/2016	MdR-4 Oxford Flood Control Basin	NS	Copper	µg/L	NS	NS	NS	NS
			Lead	µg/L	NS	NS	NS	NS
			Zinc	µg/L	NS	NS	NS	NS
3/14/2016	MdR-5 Boone-Olive Pump Station	**300**	Copper	µg/L	2.67	10.0	**44.8**	**16.7**
			Lead	µg/L	4.06	10.0	**6.98 J**	ND
			Zinc	µg/L	3.52	10.0	**180**	**70.2**
3/14/2016	MdRU-C1 Under-represented located north of Bali and Admiralty Ways	**22**	Copper	µg/L	2.67	10.0	**65.9**	**24.8**
			Lead	µg/L	4.06	10.0	**11.0**	ND
			Zinc	µg/L	3.52	10.0	**303**	**140**
3/14/2016	MdRU-C2 Under-represented located north of Abbot Kinney Boulevard and Woodlawn Avenue	**25**	Copper	µg/L	2.67	10.0	**58.4**	**13.2**
			Lead	µg/L	4.06	10.0	**39.3**	ND
			Zinc	µg/L	3.52	10.0	**323**	**103**

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
- NS - No sample was collected for this station
  - Samples were not collected at MdR-4 due to on-going construction related to the Oxford Basin Multiuse Enhancement Project.
- 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

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WET WEATHER MONITORING SUMMARY REPORT QUALIFYING STORM EVENT #8								
Sample Date	**Station Information**	**Hardness (mg/L)**	**Metal**	**Units**	**MDL**	**Reporting Limit**	**Total Recoverable Concentration**	**Dissolved Concentration**
4/12/2016	MdR-3 Washington Boulevard and Thatcher Avenue	**45**	Copper Lead Zinc	µg/L µg/L µg/L	2.67 4.06 3.52	10.0 10.0 10.0	**79.2** **18.6** **416**	**29.8** ND **178**
4/12/2016	MdR-4 Oxford Flood Control Basin	NS	Copper Lead Zinc	µg/L µg/L µg/L	NS NS NS	NS NS NS	NS NS NS	NS NS NS
4/12/2016	MdR-5 Boone-Olive Pump Station	**720**	Copper Lead Zinc	µg/L µg/L µg/L	2.67 4.06 3.52	10.0 10.0 10.0	**26.6** ND **96.3**	**13.9** ND **43.1**
4/12/2016	MdRU-C1 Under-represented located north of Bali and Admiralty Ways	**110**	Copper Lead Zinc	µg/L µg/L µg/L	2.67 4.06 3.52	10.0 10.0 10.0	**38.6** ND **123**	**33.0** ND **73.6**
4/12/2016	MdRU-C2 Under-represented located north of Abbot Kinney Boulevard and Woodlawn Avenue	NS	Copper Lead Zinc	µg/L µg/L µg/L	NS NS NS	NS NS NS	NS NS NS	NS NS NS

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
- NS - No sample was collected for this station
  - Samples were not collected at MdR-4 due to on-going construction related to the Oxford Basin Multiuse Enhancement Project.
  - Samples were not collected at MdRU-C1 and MdRU-C2 due to low flow.
- Reporting Limit - Lowest concentration for which quantitative data are reported
- mg/L - milligram per liter
- µg/L - microgram per liter

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WET WEATHER MONITORING SUMMARY REPORT QUALIFYING STORM EVENT #9								
Sample Date	**Station Information**	**Hardness (mg/L)**	**Metal**	**Units**	**MDL**	**Reporting Limit**	**Total Recoverable Concentration**	**Dissolved Concentration**
5/9/2016	MdR-3 Washington Boulevard and Thatcher Avenue	**150**	Copper Lead Zinc	µg/L µg/L µg/L	2.67 4.06 3.52	10.0 10.0 10.0	**172** **57.0** **1,380**	**10.7** ND **99.1**
5/9/2016	MdR-4 Oxford Flood Control Basin	NS	Copper Lead Zinc	µg/L µg/L µg/L	NS NS NS	NS NS NS	NS NS NS	NS NS NS
5/9/2016	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	**12.5** ND **74.4**	**6.64 J** ND **15.0**
5/9/2016	MdRU-C1 Under-represented located north of Bali and Admiralty Ways	**310**	Copper Lead Zinc	µg/L µg/L µg/L	2.67 4.06 3.52	10.0 10.0 10.0	**7.99 J** ND **16.3**	**11.0** [1] ND **20.0** [1]
5/9/2016	MdRU-C2 Under-represented located north of Abbot Kinney Boulevard and Woodlawn Avenue	NS	Copper Lead Zinc	µg/L µg/L µg/L	NS NS NS	NS NS NS	NS NS NS	NS NS NS

Notes:

Detections are indicated in **bold**

Hardness reporting limit is 2.0 mg/L for MdRU-C1, MdR-3, and MdR-3-Duplicate. Hardness reporting limit is 10 for MdR-5

MDL - Method Detection Limit

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

NS - No sample was collected for this station

Samples were not collected at MdR-4 due to on-going construction related to the Oxford Basin Multiuse Enhancement Project.

Samples were not collected at MdRU-C1 and MdRU-C2 due to equipment issues and low flow.

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

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WET WEATHER MONITORING SUMMARY REPORT QUALIFYING STORM EVENT #2						
Sample Date	**Station Information**	**Organics**	**Units**	**MDL**	**Reporting Limit**	**Concentration**
12/21/2015	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
12/21/2015	MdR-4 Oxford Flood Control Basin	Chlordane	µg/L	NS	NS	NS
		Aroclor 1016	µg/L	NS	NS	NS
		Aroclor 1221	µg/L	NS	NS	NS
		Aroclor 1232	µg/L	NS	NS	NS
		Aroclor 1242	µg/L	NS	NS	NS
		Aroclor 1248	µg/L	NS	NS	NS
		Aroclor 1254	µg/L	NS	NS	NS
		Aroclor 1260	µg/L	NS	NS	NS
		Aroclor 1262	µg/L	NS	NS	NS
		Total PCBs	µg/L	NS	NS	NS
12/21/2015	MdR-5 Boone-Olive Pump Station	Chlordane	µg/L	NS	NS	NS
		Aroclor 1016	µg/L	NS	NS	NS
		Aroclor 1221	µg/L	NS	NS	NS
		Aroclor 1232	µg/L	NS	NS	NS
		Aroclor 1242	µg/L	NS	NS	NS
		Aroclor 1248	µg/L	NS	NS	NS
		Aroclor 1254	µg/L	NS	NS	NS
		Aroclor 1260	µg/L	NS	NS	NS
		Aroclor 1262	µg/L	NS	NS	NS
		Total PCBs	µg/L	NS	NS	NS
12/21/2015	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
12/21/2015	MdRU-C2 Under-represented located north of Abbot Kinney Boulevard and Woodlawn Avenue	Chlordane	µg/L	NS	NS	NS
		Aroclor 1016	µg/L	NS	NS	NS
		Aroclor 1221	µg/L	NS	NS	NS
		Aroclor 1232	µg/L	NS	NS	NS
		Aroclor 1242	µg/L	NS	NS	NS
		Aroclor 1248	µg/L	NS	NS	NS
		Aroclor 1254	µg/L	NS	NS	NS
		Aroclor 1260	µg/L	NS	NS	NS
		Aroclor 1262	µg/L	NS	NS	NS
		Total PCBs	µg/L	NS	NS	NS

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WET WEATHER MONITORING SUMMARY REPORT QUALIFYING STORM 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
NS - No sample was collected for this station
Samples were not collected at MdR-4 due to on-going construction related to the Oxford Basin Multiuse Enhancement Project.
Samples were not collected at MdR-5 due to equipment issues and at MdRU-C2 due to low flow.
Reporting Limit - Lowest concentration for which quantitative data are reported
µg/L - microgram per liter

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WET WEATHER MONITORING SUMMARY REPORT QUALIFYING STORM EVENT #3						
Sample Date	**Station Information**	**Organics**	**Units**	**MDL**	**Reporting Limit**	**Concentration**
1/7/2016	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
1/7/2016	MdR-4 Oxford Flood Control Basin	Chlordane	µg/L	NS	NS	NS
		Aroclor 1016	µg/L	NS	NS	NS
		Aroclor 1221	µg/L	NS	NS	NS
		Aroclor 1232	µg/L	NS	NS	NS
		Aroclor 1242	µg/L	NS	NS	NS
		Aroclor 1248	µg/L	NS	NS	NS
		Aroclor 1254	µg/L	NS	NS	NS
		Aroclor 1260	µg/L	NS	NS	NS
		Aroclor 1262	µg/L	NS	NS	NS
		Total PCBs	µg/L	NS	NS	NS
1/7/2016	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
1/7/2016	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
1/7/2016	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

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WET WEATHER MONITORING SUMMARY REPORT QUALIFYING STORM 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
NS - No sample was collected for this station
Samples were not collected at MdR-4 due to on-going construction related to the Oxford Basin Multiuse Enhancement Project.
Reporting Limit - Lowest concentration for which quantitative data are reported
µg/L - microgram per liter

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
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WET WEATHER MONITORING SUMMARY REPORT QUALIFYING STORM EVENT #4						
Sample Date	**Station Information**	**Organics**	**Units**	**MDL**	**Reporting Limit**	**Concentration**
2/1/2016	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
2/1/2016	MdR-4 Oxford Flood Control Basin	Chlordane	µg/L	NS	NS	NS
		Aroclor 1016	µg/L	NS	NS	NS
		Aroclor 1221	µg/L	NS	NS	NS
		Aroclor 1232	µg/L	NS	NS	NS
		Aroclor 1242	µg/L	NS	NS	NS
		Aroclor 1248	µg/L	NS	NS	NS
		Aroclor 1254	µg/L	NS	NS	NS
		Aroclor 1260	µg/L	NS	NS	NS
		Aroclor 1262	µg/L	NS	NS	NS
		Total PCBs	µg/L	NS	NS	NS
2/1/2016	MdR-5 Boone-Olive Pump Station	Chlordane	µg/L	NS	NS	NS
		Aroclor 1016	µg/L	NS	NS	NS
		Aroclor 1221	µg/L	NS	NS	NS
		Aroclor 1232	µg/L	NS	NS	NS
		Aroclor 1242	µg/L	NS	NS	NS
		Aroclor 1248	µg/L	NS	NS	NS
		Aroclor 1254	µg/L	NS	NS	NS
		Aroclor 1260	µg/L	NS	NS	NS
		Aroclor 1262	µg/L	NS	NS	NS
		Total PCBs	µg/L	NS	NS	NS
2/1/2016	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
2/1/2016	MdRU-C2 Under-represented located north of Abbot Kinney Boulevard and Woodlawn Avenue	Chlordane	µg/L	NS	NS	NS
		Aroclor 1016	µg/L	NS	NS	NS
		Aroclor 1221	µg/L	NS	NS	NS
		Aroclor 1232	µg/L	NS	NS	NS
		Aroclor 1242	µg/L	NS	NS	NS
		Aroclor 1248	µg/L	NS	NS	NS
		Aroclor 1254	µg/L	NS	NS	NS
		Aroclor 1260	µg/L	NS	NS	NS
		Aroclor 1262	µg/L	NS	NS	NS
		Total PCBs	µg/L	NS	NS	NS

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WET WEATHER MONITORING SUMMARY REPORT QUALIFYING STORM 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
NS - No sample was collected for this station
Samples were not collected at MdR-4 due to on-going construction related to the Oxford Basin Multiuse Enhancement Project.
Samples were not collected at MdR-5 due to equipment issues and at MdRU-C2 due to low flow.
Reporting Limit - Lowest concentration for which quantitative data are reported
µg/L - microgram per liter

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
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WET WEATHER MONITORING SUMMARY REPORT QUALIFYING STORM EVENT #5						
Sample Date	**Station Information**	**Organics**	**Units**	**MDL**	**Reporting Limit**	**Concentration**
2/19/2016	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
2/19/2016	MdR-4 Oxford Flood Control Basin	Chlordane	µg/L	NS	NS	NS
		Aroclor 1016	µg/L	NS	NS	NS
		Aroclor 1221	µg/L	NS	NS	NS
		Aroclor 1232	µg/L	NS	NS	NS
		Aroclor 1242	µg/L	NS	NS	NS
		Aroclor 1248	µg/L	NS	NS	NS
		Aroclor 1254	µg/L	NS	NS	NS
		Aroclor 1260	µg/L	NS	NS	NS
		Aroclor 1262	µg/L	NS	NS	NS
		Total PCBs	µg/L	NS	NS	NS
2/19/2016	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
2/19/2016	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
2/19/2016	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

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WET WEATHER MONITORING SUMMARY REPORT QUALIFYING STORM 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
NS - No sample was collected for this station
Samples were not collected at MdR-4 due to on-going construction related to the Oxford Basin Multiuse Enhancement Project.
Reporting Limit - Lowest concentration for which quantitative data are reported
µg/L - microgram per liter

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WET WEATHER MONITORING SUMMARY REPORT
QUALIFYING STORM EVENT #6

Sample Date	Station Information	Organics	Units	MDL	Reporting Limit	Concentration
3/8/2016	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
3/8/2016	MdR-4 Oxford Flood Control Basin	Chlordane	µg/L	NS	NS	NS
		Aroclor 1016	µg/L	NS	NS	NS
		Aroclor 1221	µg/L	NS	NS	NS
		Aroclor 1232	µg/L	NS	NS	NS
		Aroclor 1242	µg/L	NS	NS	NS
		Aroclor 1248	µg/L	NS	NS	NS
		Aroclor 1254	µg/L	NS	NS	NS
		Aroclor 1260	µg/L	NS	NS	NS
		Aroclor 1262	µg/L	NS	NS	NS
		Total PCBs	µg/L	NS	NS	NS
3/8/2016	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
3/8/2016	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
3/8/2016	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

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WET WEATHER MONITORING SUMMARY REPORT QUALIFYING STORM 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
NS - No sample was collected for this station
Samples were not collected at MdR-4 due to on-going construction related to the Oxford Basin Multiuse Enhancement Project.
Reporting Limit - Lowest concentration for which quantitative data are reported
µg/L - microgram per liter

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WET WEATHER MONITORING SUMMARY REPORT QUALIFYING STORM EVENT #7						
Sample Date	**Station Information**	**Organics**	**Units**	**MDL**	**Reporting Limit**	**Concentration**
3/14/2016	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
3/14/2016	MdR-4 Oxford Flood Control Basin	Chlordane	µg/L	NS	NS	NS
		Aroclor 1016	µg/L	NS	NS	NS
		Aroclor 1221	µg/L	NS	NS	NS
		Aroclor 1232	µg/L	NS	NS	NS
		Aroclor 1242	µg/L	NS	NS	NS
		Aroclor 1248	µg/L	NS	NS	NS
		Aroclor 1254	µg/L	NS	NS	NS
		Aroclor 1260	µg/L	NS	NS	NS
		Aroclor 1262	µg/L	NS	NS	NS
		Total PCBs	µg/L	NS	NS	NS
3/14/2016	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
3/14/2016	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
3/14/2016	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

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WET WEATHER MONITORING SUMMARY REPORT QUALIFYING STORM 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
NS - No sample was collected for this station
Samples were not collected at MdR-4 due to on-going construction related to the Oxford Basin Multiuse Enhancement Project.
Reporting Limit - Lowest concentration for which quantitative data are reported
µg/L - microgram per liter

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WET WEATHER MONITORING SUMMARY REPORT QUALIFYING STORM EVENT #8						
Sample Date	**Station Information**	**Organics**	**Units**	**MDL**	**Reporting Limit**	**Concentration**
4/12/2016	MdR-3 Washington Boulevard and Thatcher 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
4/12/2016	MdR-4 Oxford Flood Control Basin	Chlordane	µg/L	NS	NS	NS
		Aroclor 1016	µg/L	NS	NS	NS
		Aroclor 1221	µg/L	NS	NS	NS
		Aroclor 1232	µg/L	NS	NS	NS
		Aroclor 1242	µg/L	NS	NS	NS
		Aroclor 1248	µg/L	NS	NS	NS
		Aroclor 1254	µg/L	NS	NS	NS
		Aroclor 1260	µg/L	NS	NS	NS
		Aroclor 1262	µg/L	NS	NS	NS
		Total PCBs	µg/L	NS	NS	NS
4/12/2016	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
4/12/2016	MdRU-C1 Under-represented located north of Bali and Admiralty Ways	Chlordane	µg/L	NS	NS	NS
		Aroclor 1016	µg/L	NS	NS	NS
		Aroclor 1221	µg/L	NS	NS	NS
		Aroclor 1232	µg/L	NS	NS	NS
		Aroclor 1242	µg/L	NS	NS	NS
		Aroclor 1248	µg/L	NS	NS	NS
		Aroclor 1254	µg/L	NS	NS	NS
		Aroclor 1260	µg/L	NS	NS	NS
		Aroclor 1262	µg/L	NS	NS	NS
		Total PCBs	µg/L	NS	NS	NS
4/12/2016	MdRU-C2 Under-represented located north of Abbot Kinney Boulevard and Woodlawn Avenue	Chlordane	µg/L	NS	NS	NS
		Aroclor 1016	µg/L	NS	NS	NS
		Aroclor 1221	µg/L	NS	NS	NS
		Aroclor 1232	µg/L	NS	NS	NS
		Aroclor 1242	µg/L	NS	NS	NS
		Aroclor 1248	µg/L	NS	NS	NS
		Aroclor 1254	µg/L	NS	NS	NS
		Aroclor 1260	µg/L	NS	NS	NS
		Aroclor 1262	µg/L	NS	NS	NS
		Total PCBs	µg/L	NS	NS	NS

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WET WEATHER MONITORING SUMMARY REPORT QUALIFYING STORM 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
NS - No sample was collected for this station
Samples were not collected at MdR-4 due to on-going construction related to the Oxford Basin Multiuse Enhancement Project.
Samples were not collected at MdRU-C1 and MdRU-C2 due to low flow.
Reporting Limit - Lowest concentration for which quantitative data are reported
µg/L - microgram per liter

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WET WEATHER MONITORING SUMMARY REPORT QUALIFYING STORM EVENT #9						
Sample Date	**Station Information**	**Organics**	**Units**	**MDL**	**Reporting Limit**	**Concentration**
5/9/2016	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
5/9/2016	MdR-4 Oxford Flood Control Basin	Chlordane	µg/L	NS	NS	NS
		Aroclor 1016	µg/L	NS	NS	NS
		Aroclor 1221	µg/L	NS	NS	NS
		Aroclor 1232	µg/L	NS	NS	NS
		Aroclor 1242	µg/L	NS	NS	NS
		Aroclor 1248	µg/L	NS	NS	NS
		Aroclor 1254	µg/L	NS	NS	NS
		Aroclor 1260	µg/L	NS	NS	NS
		Aroclor 1262	µg/L	NS	NS	NS
		Total PCBs	µg/L	NS	NS	NS
5/9/2016	MdR-5 Boone-Olive Pump Station	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
5/9/2016	MdRU-C1 Under-represented located north of Bali and Admiralty Ways	Chlordane	µg/L	NS	NS	NS
		Aroclor 1016	µg/L	NS	NS	NS
		Aroclor 1221	µg/L	NS	NS	NS
		Aroclor 1232	µg/L	NS	NS	NS
		Aroclor 1242	µg/L	NS	NS	NS
		Aroclor 1248	µg/L	NS	NS	NS
		Aroclor 1254	µg/L	NS	NS	NS
		Aroclor 1260	µg/L	NS	NS	NS
		Aroclor 1262	µg/L	NS	NS	NS
		Total PCBs	µg/L	NS	NS	NS
5/9/2016	MdRU-C2 Under-represented located north of Abbot Kinney Boulevard and Woodlawn Avenue	Chlordane	µg/L	NS	NS	NS
		Aroclor 1016	µg/L	NS	NS	NS
		Aroclor 1221	µg/L	NS	NS	NS
		Aroclor 1232	µg/L	NS	NS	NS
		Aroclor 1242	µg/L	NS	NS	NS
		Aroclor 1248	µg/L	NS	NS	NS
		Aroclor 1254	µg/L	NS	NS	NS
		Aroclor 1260	µg/L	NS	NS	NS
		Aroclor 1262	µg/L	NS	NS	NS
		Total PCBs	µg/L	NS	NS	NS

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WET WEATHER MONITORING SUMMARY REPORT QUALIFYING STORM 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
NS - No sample was collected for this station
Samples were not collected at MdR-4 due to on-going construction related to the Oxford Basin Multiuse Enhancement Project.
Samples were not collected at MdRU-C1 and MdRU-C2 due to equipment issues and low flow.
Reporting Limit - Lowest concentration for which quantitative data are reported
µg/L - microgram per liter

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
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WET WEATHER MONITORING SUMMARY REPORT
QUALIFYING STORM EVENT #2

Sample Date	Station Information	Measurement	Units	MDL	Reporting Limit	Concentration
12/21/2015	MdR-3 Washington Boulevard and Thatcher Avenue	Total Dissolved Solids Total Suspended Solids Settleable Solids	mg/L mg/L mL/L	0.870 0.829 0.10	1.00 1.00 0.10	**198** **348** **1.4**
12/21/2015	MdR-4 Oxford Flood Control Basin	Total Dissolved Solids Total Suspended Solids Settleable Solids	mg/L mg/L mL/L	NS NS NS	NS NS NS	NS NS NS
12/21/2015	MdR-5 Boone-Olive Pump Station	Total Dissolved Solids Total Suspended Solids Settleable Solids	mg/L mg/L mL/L	NS NS NS	NS NS NS	NS NS NS
12/21/2015	MdRU-C1 Under-represented located north of Bali and Admiralty Ways	Total Dissolved Solids Total Suspended Solids Settleable Solids	mg/L mg/L mL/L	0.87 0.83 0.10	1.0 1.0 0.10	**98** **25** **0.10**
12/21/2015	MdRU-C2 Under-represented located north of Abbot Kinney Boulevard and Woodlawn Avenue	Total Dissolved Solids Total Suspended Solids Settleable Solids	mg/L mg/L mL/L	NS NS NS	NS NS NS	NS NS NS

Notes:
- Detections are indicated in **bold**
- MDL - Method Detection Limit
- ND - Analyte not detected at or above the Method Detection Limit
- NA - Sample not analyzed
- NS - No sample was collected for this station
  - Samples were not collected at MdR-4 due to on-going construction related to the Oxford Basin Multiuse Enhancement Project.
  - Samples were not collected at MdR-5 due to equipment issues and at MdRU-C2 due to low flow.
- Reporting Limit - lowest concentration for which quantitative data are reported
- mg/L - milligram per liter
- mL/L - milliliter per liter

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
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WET WEATHER MONITORING SUMMARY REPORT
QUALIFYING STORM EVENT #3

Sample Date	Station Information	Measurement	Units	MDL	Reporting Limit	Concentration
1/7/2016	MdR-3 Washington Boulevard and Thatcher Avenue	Total Dissolved Solids Total Suspended Solids Settleable Solids	mg/L mg/L mL/L	0.87 0.83 0.10	1.0 1.0 0.10	**75** **56** **0.10**
1/7/2016	MdR-4 Oxford Flood Control Basin	Total Dissolved Solids Total Suspended Solids Settleable Solids	mg/L mg/L mL/L	NS NS NS	NS NS NS	NS NS NS
1/7/2016	MdR-5 Boone-Olive Pump Station	Total Dissolved Solids Total Suspended Solids Settleable Solids	mg/L mg/L mL/L	0.870 0.83 0.10	10.0 1.0 0.10	**2,550** **70** **0.10**
1/7/2016	MdRU-C1 Under-represented located north of Bali and Admiralty Ways	Total Dissolved Solids Total Suspended Solids Settleable Solids	mg/L mg/L mL/L	0.870 0.83 0.10	1.00 1.0 0.10	**178** **50** **0.40**
1/7/2016	MdRU-C2 Under-represented located north of Abbot Kinney Boulevard and Woodlawn Avenue	Total Dissolved Solids Total Suspended Solids Settleable Solids	mg/L mg/L mL/L	0.87 0.829 0.10	1.0 1.00 0.10	**50** **120** **1.1**

Notes:
Detections are indicated in **bold**
MDL - Method Detection Limit
ND - Analyte not detected at or above the Method Detection Limit
NA - Sample not analyzed
NS - No sample was collected for this station
Samples were not collected at MdR-4 due to on-going construction related to the Oxford Basin Multiuse Enhancement Project.
Reporting Limit - lowest concentration for which quantitative data are reported
mg/L - milligram per liter
mL/L - milliliter per liter

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
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WET WEATHER MONITORING SUMMARY REPORT
QUALIFYING STORM EVENT #4

Sample Date	Station Information	Measurement	Units	MDL	Reporting Limit	Concentration
2/1/2016	MdR-3 Washington Boulevard and Thatcher Avenue	Total Dissolved Solids Total Suspended Solids Settleable Solids	mg/L mg/L mL/L	0.87 0.83 0.10	1.0 1.0 0.10	**98** **31** ND
2/1/2016	MdR-4 Oxford Flood Control Basin	Total Dissolved Solids Total Suspended Solids Settleable Solids	mg/L mg/L mL/L	NS NS NS	NS NS NS	NS NS NS
2/1/2016	MdR-5 Boone-Olive Pump Station	Total Dissolved Solids Total Suspended Solids Settleable Solids	mg/L mg/L mL/L	NS NS NS	NS NS NS	NS NS NS
2/1/2016	MdRU-C1 Under-represented located north of Bali and Admiralty Ways	Total Dissolved Solids Total Suspended Solids Settleable Solids	mg/L mg/L mL/L	0.870 0.83 0.10	1.00 1.0 0.10	**130** **14** ND
2/1/2016	MdRU-C2 Under-represented located north of Abbot Kinney Boulevard and Woodlawn Avenue	Total Dissolved Solids Total Suspended Solids Settleable Solids	mg/L mg/L mL/L	NS NS NS	NS NS NS	NS NS NS

Notes:
- Detections are indicated in **bold**
- MDL - Method Detection Limit
- ND - Analyte not detected at or above the Method Detection Limit
- NA - Sample not analyzed
- NS - No sample was collected for this station
  - Samples were not collected at MdR-4 due to on-going construction related to the Oxford Basin Multiuse Enhancement Project.
  - Samples were not collected at MdR-5 due to equipment issues and at MdRU-C2 due to low flow.
- Reporting Limit - lowest concentration for which quantitative data are reported
- mg/L - milligram per liter
- mL/L - milliliter per liter

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
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WET WEATHER MONITORING SUMMARY REPORT
QUALIFYING STORM EVENT #5

Sample Date	Station Information	Measurement	Units	MDL	Reporting Limit	Concentration
2/19/2016	MdR-3 Washington Boulevard and Thatcher Avenue	Total Dissolved Solids Total Suspended Solids Settleable Solids	mg/L mg/L mL/L	0.87 0.83 0.10	1.0 1.0 0.10	**55** **43** **0.30**
2/19/2016	MdR-4 Oxford Flood Control Basin	Total Dissolved Solids Total Suspended Solids Settleable Solids	mg/L mg/L mL/L	NS NS NS	NS NS NS	NS NS NS
2/19/2016	MdR-5 Boone-Olive Pump Station	Total Dissolved Solids Total Suspended Solids Settleable Solids	mg/L mg/L mL/L	0.870 0.83 0.10	10.0 1.0 0.10	**1,760** **62** **1.1**
2/19/2016	MdRU-C1 Under-represented located north of Bali and Admiralty Ways	Total Dissolved Solids Total Suspended Solids Settleable Solids	mg/L mg/L mL/L	0.87 0.83 0.10	1.0 1.0 0.10	**65** **32** **0.60**
2/19/2016	MdRU-C2 Under-represented located north of Abbot Kinney Boulevard and Woodlawn Avenue	Total Dissolved Solids Total Suspended Solids Settleable Solids	mg/L mg/L mL/L	0.87 0.83 0.10	1.0 1.0 0.10	**30** **16** **0.20**

Notes:
Detections are indicated in **bold**
MDL - Method Detection Limit
ND - Analyte not detected at or above the Method Detection Limit
NA - Sample not analyzed
NS - No sample was collected for this station
Samples were not collected at MdR-4 due to on-going construction related to the Oxford Basin Multiuse Enhancement Project.
Reporting Limit - lowest concentration for which quantitative data are reported
mg/L - milligram per liter
mL/L - milliliter per liter

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
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WET WEATHER MONITORING SUMMARY REPORT
QUALIFYING STORM EVENT #6

Sample Date	Station Information	Measurement	Units	MDL	Reporting Limit	Concentration
3/8/2016	MdR-3 Washington Boulevard and Thatcher Avenue	Total Dissolved Solids Total Suspended Solids Settleable Solids	mg/L mg/L mL/L	0.87 0.83 0.10	1.0 1.0 0.10	**48** **78** **0.50**
3/8/2016	MdR-4 Oxford Flood Control Basin	Total Dissolved Solids Total Suspended Solids Settleable Solids	mg/L mg/L mL/L	NS NS NS	NS NS NS	NS NS NS
3/8/2016	MdR-5 Boone-Olive Pump Station	Total Dissolved Solids Total Suspended Solids Settleable Solids	mg/L mg/L mL/L	0.870 0.829 0.10	1.00 1.00 0.10	**960** **162** **0.70**
3/8/2016	MdRU-C1 Under-represented located north of Bali and Admiralty Ways	Total Dissolved Solids Total Suspended Solids Settleable Solids	mg/L mg/L mL/L	0.87 0.83 0.10	1.0 1.0 0.10	**40** **42** **0.10**
3/8/2016	MdRU-C2 Under-represented located north of Abbot Kinney Boulevard and Woodlawn Avenue	Total Dissolved Solids Total Suspended Solids Settleable Solids	mg/L mg/L mL/L	0.87 0.83 0.10	1.0 1.0 0.10	**62** **46** **0.10**

Notes:
Detections are indicated in **bold**
MDL - Method Detection Limit
ND - Analyte not detected at or above the Method Detection Limit
NA - Sample not analyzed
NS - No sample was collected for this station
Samples were not collected at MdR-4 due to on-going construction related to the Oxford Basin Multiuse Enhancement Project.
Reporting Limit - lowest concentration for which quantitative data are reported
mg/L - milligram per liter
mL/L - milliliter per liter

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WET WEATHER MONITORING SUMMARY REPORT
QUALIFYING STORM EVENT #7

Sample Date	Station Information	Measurement	Units	MDL	Reporting Limit	Concentration
3/14/2016	MdR-3 Washington Boulevard and Thatcher Avenue	Total Dissolved Solids Total Suspended Solids Settleable Solids	mg/L mg/L mL/L	0.87 0.83 0.10	1.0 1.0 0.10	**58** **79** **0.20**
3/14/2016	MdR-4 Oxford Flood Control Basin	Total Dissolved Solids Total Suspended Solids Settleable Solids	mg/L mg/L mL/L	NS NS NS	NS NS NS	NS NS NS
3/14/2016	MdR-5 Boone-Olive Pump Station	Total Dissolved Solids Total Suspended Solids Settleable Solids	mg/L mg/L mL/L	0.870 0.829 0.10	10.0 1.00 0.10	**1,500** **107** ND
3/14/2016	MdRU-C1 Under-represented located north of Bali and Admiralty Ways	Total Dissolved Solids Total Suspended Solids Settleable Solids	mg/L mg/L mL/L	0.87 0.829 0.10	1.0 1.00 0.10	**68** **108** **0.30**
3/14/2016	MdRU-C2 Under-represented located north of Abbot Kinney Boulevard and Woodlawn Avenue	Total Dissolved Solids Total Suspended Solids Settleable Solids	mg/L mg/L mL/L	0.87 0.829 0.10	1.0 1.00 0.10	**58** **120** **0.20**

Notes:
Detections are indicated in **bold**
MDL - Method Detection Limit
ND - Analyte not detected at or above the Method Detection Limit
NA - Sample not analyzed
NS - No sample was collected for this station
Samples were not collected at MdR-4 due to on-going construction related to the Oxford Basin Multiuse Enhancement Project.
Reporting Limit - lowest concentration for which quantitative data are reported
mg/L - milligram per liter
mL/L - milliliter per liter

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
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WET WEATHER MONITORING SUMMARY REPORT
QUALIFYING STORM EVENT #8

Sample Date	Station Information	Measurement	Units	MDL	Reporting Limit	Concentration
4/12/2016	MdR-3 Washington Boulevard and Thatcher Avenue	Total Dissolved Solids Total Suspended Solids Settleable Solids	mg/L mg/L mL/L	0.870 0.829 0.10	1.00 1.00 0.10	**120** **133** **1.0**
4/12/2016	MdR-4 Oxford Flood Control Basin	Total Dissolved Solids Total Suspended Solids Settleable Solids	mg/L mg/L mL/L	NS NS NS	NS NS NS	NS NS NS
4/12/2016	MdR-5 Boone-Olive Pump Station	Total Dissolved Solids Total Suspended Solids Settleable Solids	mg/L mg/L mL/L	0.870 0.83 0.10	10.0 1.0 0.10	**3,460** **72** **0.10**
4/12/2016	MdRU-C1 Under-represented located north of Bali and Admiralty Ways	Total Dissolved Solids Total Suspended Solids Settleable Solids	mg/L mg/L mL/L	NS 0.83 NS	NS 1.0 NS	NS **22** NS
4/12/2016	MdRU-C2 Under-represented located north of Abbot Kinney Boulevard and Woodlawn Avenue	Total Dissolved Solids Total Suspended Solids Settleable Solids	mg/L mg/L mL/L	NS NS NS	NS NS NS	NS NS NS

Notes:
- Detections are indicated in **bold**
- MDL - Method Detection Limit
- ND - Analyte not detected at or above the Method Detection Limit
- NA - Sample not analyzed
- NS - No sample was collected for this station
  - Samples were not collected at MdR-4 due to on-going construction related to the Oxford Basin Multiuse Enhancement Project.
  - Samples were not collected at MdRU-C1 and MdRU-C2 due to low flow.
- Reporting Limit - lowest concentration for which quantitative data are reported
- mg/L - milligram per liter
- mL/L - milliliter per liter

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
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WET WEATHER MONITORING SUMMARY REPORT
QUALIFYING STORM EVENT #9

Sample Date	Station Information	Measurement	Units	MDL	Reporting Limit	Concentration
5/9/2016	MdR-3 Washington Boulevard and Thatcher Avenue	Total Dissolved Solids Total Suspended Solids Settleable Solids	mg/L mg/L mL/L	0.870 0.829 0.10	1.00 1.00 0.10	**145** **545** **8.0**
5/9/2016	MdR-4 Oxford Flood Control Basin	Total Dissolved Solids Total Suspended Solids Settleable Solids	mg/L mg/L mL/L	NS NS NS	NS NS NS	NS NS NS
5/9/2016	MdR-5 Boone-Olive Pump Station	Total Dissolved Solids Total Suspended Solids Settleable Solids	mg/L mg/L mL/L	0.870 0.83 0.10	10.0 1.0 0.10	**9,950** **7.6** ND
5/9/2016	MdRU-C1 Under-represented located north of Bali and Admiralty Ways	Total Dissolved Solids Total Suspended Solids Settleable Solids	mg/L mg/L mL/L	NS 0.83 NS	NS 1.0 NS	NS **3.2** NS
5/9/2016	MdRU-C2 Under-represented located north of Abbot Kinney Boulevard and Woodlawn Avenue	Total Dissolved Solids Total Suspended Solids Settleable Solids	mg/L mg/L mL/L	NS NS NS	NS NS NS	NS NS NS

Notes:
- Detections are indicated in **bold**
- MDL - Method Detection Limit
- ND - Analyte not detected at or above the Method Detection Limit
- NS - No sample was collected for this station
  - Samples were not collected at MdR-4 due to on-going construction related to the Oxford Basin Multiuse Enhancement Project.
  - Samples were not collected at MdRU-C1 and MdRU-C2 due to equipment issues and low flow.
- Reporting Limit - lowest concentration for which quantitative data are reported
- mg/L - milligram per liter
- mL/L - milliliter per liter

Storm-borne Sediment Quality Data

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Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Wet-Weather Monitoring - Storm-Borne Sediment
2015 - 2016

STORM-BORNE SEDIMENT COMPOSITE PLAN
Collected Sample Amounts, Storm Flow, and Composite Sample Amounts

Sample Data	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	12/13/2015	12/19/2015	1/5/2016	1/31/2016	2/17/2016	3/5/2016	3/11/2016	4/7/2016	5/5/2016	NA
	End Date	12/13/2015	12/19/2015	1/7/2016	1/31/2016	2/18/2016	3/7/2016	3/11/2016	4/9/2016	5/7/2016	NA
	Rain (inches)	0.12	0.36	2.72	0.14	0.73	0.87	0.53	0.29	0.59	3.83
Storm-borne Sediment Sample Collected, (grams)	MdRU-C1	No SBS Sample	26	33	No SBS Sample	17	35	36	20	7	174
	MdRU-C2	No SBS Sample	3	48	No SBS Sample	10	50	40	39	No SBS Sample	190
	MdR-3	30	34	47	No SBS Sample	23	No SBS Sample	46	12	No SBS Sample	192
	MdR-4	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
	MdR-5	No SBS Sample	37	72	No SBS Sample	79	75	108	47	42	460
Sampled Storm Flow Volume[1] (cubic feet)	MdRU-C1	4,516	17,665	83,150	12,988	44,765	10,356	29,944	4,852	1,394	209,630
	MdRU-C2	No Storm Flow	No Storm Flow	26,211	48	3,377	279,429	27,090	7,105	No Storm Flow	343,260
	MdR-3	No Flow Data	44,787	402,170	12,863	158,524	523,149	143,570	6,311	14,345	1,305,719
	MdR-4	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
	MdR-5	No Storm Flow	50,228	644,650	40,340	11,095	268,279	126,469	37,645	4,502	1,183,208
Sampled Storm Flow Volume with Matched SBS Sample (cubic feet)	MdRU-C1	No SBS Sample	17,665	83,150	No SBS Sample	44,765	10,356	29,944	4,852	1,394	192,126
	MdRU-C2	No Storm Flow	No Storm Flow	26,211	No SBS Sample	3,377	279,429	27,090	7,105	No Storm Flow	343,212
	MdR-3	No Flow Data	44,787	402,170	No SBS Sample	158,524	No SBS Sample	143,570	6,311	No SBS Sample	755,362
	MdR-4	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
	MdR-5	No Storm Flow	50,228	644,650	No SBS Sample	11,095	268,279	126,469	37,645	4,502	1,142,868
Sampled Storm Flow-Weighted Proportion with Matched SBS Sample	MdRU-C1	NA	9.2%	43.3%	NA	23.3%	5.4%	15.6%	2.5%	0.7%	100%
	MdRU-C2	NA	NA	7.6%	NA	1.0%	81.4%	7.9%	2.1%	No Storm Flow	100%
	MdR-3	NA	5.9%	53.2%	NA	21.0%	No SBS Sample	19.0%	0.8%	No SBS Sample	100%
	MdR-4	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
	MdR-5	NA	4.4%	56.4%	NA	1.0%	23.5%	11.1%	3.3%	0.4%	100%
Storm-borne Sediment Composite, (grams)	MdRU-C1	NA	6.7	31.6	NA	17.0	3.9	11.4	1.8	0.5	73
	MdRU-C2	NA	NA	4.7	NA	0.6	50.0	4.8	1.3	NA	61
	MdR-3	AN	5.2	47.0	NA	18.5	NA	16.8	0.7	NA	88
	MdR-4	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
	MdR-5	NA	5.6	72.0	NA	1.2	30.0	14.1	4.2	0.5	128

Notes:
NA - Value could not be calculated because either the flow value or the SBC sample amount was zero or missing
No Flow Data - no flow data was measured due to equipment issue
No SBS Sample - no storm-borne sediment sample was collected, see text for further detail
No Storm Flow - no storm water flow occurred, see text for further detail
Not Available - MdR-4 was not available for sampling or monitoring due to on-going construction related to the Oxford Basin Multiuse Enhancement Project
Sample Date is date of composite sample preparation
SBC - Storm-borne sediment
[1] Discharge volumes for MdR-3 (Event #1), MdRU-C-1 (all storms), and MdRU-C-2 (Event #6) were determined to be affected by equipment error (affected values are shown); volumes used for load estimation (tables following) were estimated by the Modified Rational Method (Hydrology Manual, 2006, Los Angeles County Department of Public Works) with rain data from the Electric Avenue Pump Plant

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STORM-BORNE SEDIMENT ANALYTICAL RESULTS
Composite of Storm Events

Sample Composite Date	Station Information	Metal	Units	MDL	Reporting Limit	Concentration
7/8/2016	MdR-3 Washington Boulevard and Thatcher Avenue Storm-borne Sediment	Copper	mg/kg	0.466	1.73	**229**
		Lead	mg/kg	0.455	1.73	**117**
		Zinc	mg/kg	0.614	3.46	**1,380**
		TOC	percent	0.062	0.18	**18**
		Percent Solids	percent	0.100	0.100	**27.8**
7/8/2016	MdR-4 Oxford Flood Control Basin Storm-borne Sediment	Copper	mg/kg	NS	NS	NS
		Lead	mg/kg	NS	NS	NS
		Zinc	mg/kg	NS	NS	NS
		TOC	percent	NS	NS	NS
		Percent Solids	percent	NS	NS	NS
7/8/2016	MdR-5 Boone-Olive Pump Station Storm-borne Sediment	Copper	mg/kg	0.579	2.15	**307**
		Lead	mg/kg	0.566	2.15	**128**
		Zinc	mg/kg	0.763	4.30	**1,300**
		TOC	percent	0.074	0.21	**22**
		Percent Solids	percent	0.100	0.100	**23.5**
7/8/2016	MdRU-C1 Under-represented located north of Bali and Admiralty Ways Storm-borne Sediment	Copper	mg/kg	0.532	1.98	**362**
		Lead	mg/kg	0.520	1.98	**117.0**
		Zinc	mg/kg	0.701	3.95	**1,770**
		TOC	percent	0.068	0.19	**33**
		Percent Solids	percent	0.100	0.100	**25.7**
7/8/2016	MdRU-C2 Under-represented located north of Abbot Kinney Boulevard and Woodlawn Avenue Storm-borne Sediment	Copper	mg/kg	0.350	1.30	**128**
		Lead	mg/kg	0.342	1.30	**75.4**
		Zinc	mg/kg	0.461	2.60	**1,100**
		TOC	percent	0.043	0.12	**26**
		Percent Solids	percent	0.100	0.100	**40.3**

Notes:
Detections are indicated in **bold**
MDL - Method Detection Limit
NS - No samples were collected at MdR-4
due to on-going construction related to the Oxford Basin Multiuse Enhancement Project.
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

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STORM-BORNE SEDIMENT ANALYTICAL RESULTS
Composite of Storm Events

Sample Composite Date	Station Information	Chlordane Compound	Units	MDL	Reporting Limit	Concentration
7/8/2016	MdR-3	cis-Chlordane	µg/kg	0.24	0.72	**24**
	Washington Boulevard and	trans-Chlordane	µg/kg	0.19	0.72	**19**
	Thatcher Avenue	cis-Nonachlor	µg/kg	0.18	0.72	ND
	Storm-borne Sediment	trans-Nonachlor	µg/kg	0.15	0.72	**13**
		Oxychlordane	µg/kg	0.26	0.72	ND
		Total Chlordane	µg/kg	0.26	0.72	**56**
7/8/2016	MdR-4	cis-Chlordane	µg/kg	NS	NS	NS
	Oxford Flood Control Basin	trans-Chlordane	µg/kg	NS	NS	NS
	Storm-borne Sediment	cis-Nonachlor	µg/kg	NS	NS	NS
		trans-Nonachlor	µg/kg	NS	NS	NS
		Oxychlordane	µg/kg	NS	NS	NS
		Total Chlordane	µg/kg	NS	NS	NS
7/8/2016	MdR-5	cis-Chlordane	µg/kg	0.29	0.86	**17**
	Boone-Olive Pump Station	trans-Chlordane	µg/kg	0.23	0.86	**21**
	Storm-borne Sediment	cis-Nonachlor	µg/kg	0.22	0.86	ND
		trans-Nonachlor	µg/kg	0.18	0.86	**7.9**
		Oxychlordane	µg/kg	0.31	0.86	ND
		Total Chlordane	µg/kg	0.31	0.86	**45.9**
7/8/2016	MdRU-C1	cis-Chlordane	µg/kg	0.26	0.77	**9.4**
	Under-represented located	trans-Chlordane	µg/kg	0.21	0.77	**6.9**
	north of Bali and Admiralty	cis-Nonachlor	µg/kg	0.20	0.77	ND
	Ways	trans-Nonachlor	µg/kg	0.17	0.77	**7.3**
	Storm-borne Sediment	Oxychlordane	µg/kg	0.28	0.77	ND
		Total Chlordane	µg/kg	0.28	0.77	**23.6**
7/8/2016	MdRU-C2	cis-Chlordane	µg/kg	0.83	2.5	**34**
	Under-represented located	trans-Chlordane	µg/kg	0.66	2.5	**23**
	north of Abbot Kinney	cis-Nonachlor	µg/kg	0.13	0.49	**10**
	Boulevard and Woodlawn	trans-Nonachlor	µg/kg	0.53	2.5	**19**
	Avenue	Oxychlordane	µg/kg	0.18	0.49	ND
	Storm-borne Sediment	Total Chlordane	µg/kg	0.83	2.5	**86**

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
NS - No samples were collected at MdR-4
due to on-going construction related to the Oxford Basin Multiuse Enhancement Project.
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

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STORM-BORNE SEDIMENT ANALYTICAL RESULTS
Composite of Storm Events

Sample Composite Date	Station Information	PCB Congener (Co-eluting Congeners)	Units	MDL	Reporting Limit	Concentration
	MdR-3	PCB 8 (PCB 5/8)	µg/kg	0.52	1.4	ND
	Washington Boulevard and	PCB 18	µg/kg	0.26	0.72	ND
	Thatcher Avenue	PCB 28	µg/kg	0.12	0.72	ND
	Storm-borne Sediment	PCB 37	µg/kg	0.22	0.72	ND
		PCB 44	µg/kg	0.31	0.72	ND
		PCB 49	µg/kg	0.41	0.72	ND
		PCB 52	µg/kg	0.23	0.72	ND
		PCB 66	µg/kg	0.37	0.72	ND
		PCB 70	µg/kg	0.22	0.72	ND
		PCB 74	µg/kg	0.31	0.72	ND
		PCB 77	µg/kg	0.28	0.72	ND
		PCB 81	µg/kg	0.43	0.72	ND
		PCB 87	µg/kg	0.39	0.72	ND
		PCB 99	µg/kg	0.22	0.72	ND
		PCB 101	µg/kg	0.35	0.72	ND
		PCB 105	µg/kg	0.20	0.72	ND
		PCB 110	µg/kg	0.17	0.72	ND
		PCB 114	µg/kg	0.30	0.72	ND
		PCB 118	µg/kg	0.30	0.72	ND
		PCB 119	µg/kg	0.34	0.72	ND
		PCB 123	µg/kg	0.38	0.72	ND
		PCB 126	µg/kg	0.29	0.72	ND
7/8/2016		PCB 128	µg/kg	0.37	0.72	ND
		PCB 138 (PCB 138/158)	µg/kg	0.34	1.4	ND
		PCB 149	µg/kg	0.35	0.72	**3.2**
		PCB 151	µg/kg	0.24	0.72	ND
		PCB 153 (PCB 132/153)	µg/kg	0.63	1.4	**5.6**
		PCB 156	µg/kg	0.21	0.72	ND
		PCB 157	µg/kg	0.19	0.72	ND
		PCB 158 (see PCB 138)	NA	NA	NA	NA
		PCB 167	µg/kg	0.22	0.72	ND
		PCB 168	µg/kg	0.18	0.72	ND
		PCB 169	µg/kg	0.22	0.72	ND
		PCB 170	µg/kg	0.23	0.72	ND
		PCB 177	µg/kg	0.31	0.72	ND
		PCB 180	µg/kg	0.15	0.72	ND
		PCB 183	µg/kg	0.40	0.72	ND
		PCB 187	µg/kg	0.30	0.72	ND
		PCB 189	µg/kg	0.22	0.72	ND
		PCB 194	µg/kg	0.41	0.72	ND
		PCB 195	µg/kg	0.42	0.72	ND
		PCB 201	µg/kg	0.35	0.72	ND
		PCB 206	µg/kg	0.70	0.72	**15**
		PCB 209	µg/kg	0.53	0.72	**6.7**
		Total PCBs	µg/kg	0.70	5.8	**30.5**

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Composite of Storm Events

Sample Composite Date	Station Information	PCB Congener (Co-eluting Congeners)	Units	MDL	Reporting Limit	Concentration
	MdR-4	PCB 8 (PCB 5/8)	µg/kg	NS	NS	NS
	Oxford Flood Control Basin	PCB 18	µg/kg	NS	NS	NS
	Storm-borne Sediment	PCB 28	µg/kg	NS	NS	NS
		PCB 37	µg/kg	NS	NS	NS
		PCB 44	µg/kg	NS	NS	NS
		PCB 49	µg/kg	NS	NS	NS
		PCB 52	µg/kg	NS	NS	NS
		PCB 66	µg/kg	NS	NS	NS
		PCB 70	µg/kg	NS	NS	NS
		PCB 74	µg/kg	NS	NS	NS
		PCB 77	µg/kg	NS	NS	NS
		PCB 81	µg/kg	NS	NS	NS
		PCB 87	µg/kg	NS	NS	NS
		PCB 99	µg/kg	NS	NS	NS
		PCB 101	µg/kg	NS	NS	NS
		PCB 105	µg/kg	NS	NS	NS
		PCB 110	µg/kg	NS	NS	NS
		PCB 114	µg/kg	NS	NS	NS
		PCB 118	µg/kg	NS	NS	NS
		PCB 119	µg/kg	NS	NS	NS
		PCB 123	µg/kg	NS	NS	NS
		PCB 126	µg/kg	NS	NS	NS
7/8/2016		PCB 128	µg/kg	NS	NS	NS
		PCB 138 (PCB 138/158)	µg/kg	NS	NS	NS
		PCB 149	µg/kg	NS	NS	NS
		PCB 151	µg/kg	NS	NS	NS
		PCB 153 (PCB 132/153)	µg/kg	NS	NS	NS
		PCB 156	µg/kg	NS	NS	NS
		PCB 157	µg/kg	NS	NS	NS
		PCB 158 (see PCB 138)	NA	NS	NS	NS
		PCB 167	µg/kg	NS	NS	NS
		PCB 168	µg/kg	NS	NS	NS
		PCB 169	µg/kg	NS	NS	NS
		PCB 170	µg/kg	NS	NS	NS
		PCB 177	µg/kg	NS	NS	NS
		PCB 180	µg/kg	NS	NS	NS
		PCB 183	µg/kg	NS	NS	NS
		PCB 187	µg/kg	NS	NS	NS
		PCB 189	µg/kg	NS	NS	NS
		PCB 194	µg/kg	NS	NS	NS
		PCB 195	µg/kg	NS	NS	NS
		PCB 201	µg/kg	NS	NS	NS
		PCB 206	µg/kg	NS	NS	NS
		PCB 209	µg/kg	NS	NS	NS
		Total PCBs	µg/kg	NS	NS	NS

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STORM-BORNE SEDIMENT ANALYTICAL RESULTS
Composite of Storm Events

Sample Composite Date	Station Information	PCB Congener (Co-eluting Congeners)	Units	MDL	Reporting Limit	Concentration
	MdR-5	PCB 8 (PCB 5/8)	µg/kg	0.62	1.7	ND
	Boone-Olive Pump Station	PCB 18	µg/kg	0.30	0.85	ND
	Storm-borne Sediment	PCB 28	µg/kg	0.14	0.85	ND
		PCB 37	µg/kg	0.26	0.85	ND
		PCB 44	µg/kg	0.37	0.85	ND
		PCB 49	µg/kg	0.48	0.85	ND
		PCB 52	µg/kg	0.27	0.85	ND
		PCB 66	µg/kg	0.44	0.85	ND
		PCB 70	µg/kg	0.25	0.85	ND
		PCB 74	µg/kg	0.37	0.85	ND
		PCB 77	µg/kg	0.33	0.85	ND
		PCB 81	µg/kg	0.51	0.85	ND
		PCB 87	µg/kg	0.46	0.85	ND
		PCB 99	µg/kg	0.26	0.85	ND
		PCB 101	µg/kg	0.42	0.85	ND
		PCB 105	µg/kg	0.23	0.85	ND
		PCB 110	µg/kg	0.20	0.85	ND
		PCB 114	µg/kg	0.35	0.85	ND
		PCB 118	µg/kg	0.36	0.85	ND
		PCB 119	µg/kg	0.40	0.85	**6.4**
		PCB 123	µg/kg	0.44	0.85	ND
		PCB 126	µg/kg	0.34	0.85	ND
7/8/2016		PCB 128	µg/kg	0.44	0.85	ND
		PCB 138 (PCB 138/158)	µg/kg	0.40	1.7	ND
		PCB 149	µg/kg	0.42	0.85	**4.0**
		PCB 151	µg/kg	0.29	0.85	ND
		PCB 153 (PCB 132/153)	µg/kg	0.74	1.7	ND
		PCB 156	µg/kg	0.25	0.85	ND
		PCB 157	µg/kg	0.22	0.85	ND
		PCB 158 (see PCB 138)	NA	NA	NA	NA
		PCB 167	µg/kg	0.26	0.85	ND
		PCB 168	µg/kg	0.21	0.85	ND
		PCB 169	µg/kg	0.26	0.85	ND
		PCB 170	µg/kg	0.27	0.85	ND
		PCB 177	µg/kg	0.37	0.85	ND
		PCB 180	µg/kg	0.18	0.85	ND
		PCB 183	µg/kg	0.47	0.85	ND
		PCB 187	µg/kg	0.36	0.85	ND
		PCB 189	µg/kg	0.26	0.85	ND
		PCB 194	µg/kg	0.48	0.85	ND
		PCB 195	µg/kg	0.50	0.85	ND
		PCB 201	µg/kg	0.41	0.85	ND
		PCB 206	µg/kg	0.82	0.85	ND
		PCB 209	µg/kg	0.62	0.85	ND
		Total PCBs	µg/kg	0.82	1.7	**10.4**

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STORM-BORNE SEDIMENT ANALYTICAL RESULTS
Composite of Storm Events

Sample Composite Date	Station Information	PCB Congener (Co-eluting Congeners)	Units	MDL	Reporting Limit	Concentration
	MdRU-C1	PCB 8 (PCB 5/8)	µg/kg	0.56	1.5	ND
	Under-represented located	PCB 18	µg/kg	0.28	0.77	ND
	north of Bali and Admiralty	PCB 28	µg/kg	0.13	0.77	ND
	Ways	PCB 37	µg/kg	0.23	0.77	ND
	Storm-borne Sediment	PCB 44	µg/kg	0.34	0.77	ND
		PCB 49	µg/kg	0.44	0.77	ND
		PCB 52	µg/kg	0.24	0.77	ND
		PCB 66	µg/kg	0.40	0.77	ND
		PCB 70	µg/kg	0.23	0.77	ND
		PCB 74	µg/kg	0.34	0.77	ND
		PCB 77	µg/kg	0.30	0.77	ND
		PCB 81	µg/kg	0.46	0.77	ND
		PCB 87	µg/kg	0.42	0.77	ND
		PCB 99	µg/kg	0.23	0.77	ND
		PCB 101	µg/kg	0.38	0.77	**3.1**
		PCB 105	µg/kg	0.21	0.77	ND
		PCB 110	µg/kg	0.18	0.77	**3.2**
		PCB 114	µg/kg	0.32	0.77	ND
		PCB 118	µg/kg	0.33	0.77	ND
		PCB 119	µg/kg	0.37	0.77	ND
		PCB 123	µg/kg	0.40	0.77	ND
		PCB 126	µg/kg	0.31	0.77	ND
7/8/2016		PCB 128	µg/kg	0.40	0.77	ND
		PCB 138 (PCB 138/158)	µg/kg	0.37	1.5	ND
		PCB 149	µg/kg	0.38	0.77	**5.7**
		PCB 151	µg/kg	0.26	0.77	ND
		PCB 153 (PCB 132/153)	µg/kg	0.67	1.5	**6.8**
		PCB 156	µg/kg	0.22	0.77	ND
		PCB 157	µg/kg	0.20	0.77	ND
		PCB 158 (see PCB 138)	NA	NA	NA	NA
		PCB 167	µg/kg	0.24	0.77	ND
		PCB 168	µg/kg	0.19	0.77	ND
		PCB 169	µg/kg	0.24	0.77	ND
		PCB 170	µg/kg	0.25	0.77	ND
		PCB 177	µg/kg	0.34	0.77	ND
		PCB 180	µg/kg	0.16	0.77	ND
		PCB 183	µg/kg	0.43	0.77	ND
		PCB 187	µg/kg	0.33	0.77	ND
		PCB 189	µg/kg	0.24	0.77	ND
		PCB 194	µg/kg	0.43	0.77	ND
		PCB 195	µg/kg	0.45	0.77	ND
		PCB 201	µg/kg	0.37	0.77	ND
		PCB 206	µg/kg	0.75	0.77	ND
		PCB 209	µg/kg	0.56	0.77	ND
		Total PCBs	µg/kg	0.75	9.3	**18.8**

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STORM-BORNE SEDIMENT ANALYTICAL RESULTS
Composite of Storm Events

Sample Composite Date	Station Information	PCB Congener (Co-eluting Congeners)	Units	MDL	Reporting Limit	Concentration
7/8/2016	MdRU-C2 Under-represented located north of Abbot Kinney Boulevard and Woodlawn Avenue Storm-borne Sediment	PCB 8 (PCB 5/8)	µg/kg	3.6	9.9	ND
		PCB 18	µg/kg	1.8	5.0	ND
		PCB 28	µg/kg	0.8	5.00	ND
		PCB 37	µg/kg	1.5	5.0	ND
		PCB 44	µg/kg	2.2	5.0	ND
		PCB 49	µg/kg	2.8	5.0	ND
		PCB 52	µg/kg	1.6	5.0	ND
		PCB 66	µg/kg	2.5	5.0	ND
		PCB 70	µg/kg	1.5	5.0	ND
		PCB 74	µg/kg	2.2	5.0	ND
		PCB 77	µg/kg	1.9	5.0	ND
		PCB 81	µg/kg	3.0	5.0	ND
		PCB 87	µg/kg	2.7	5.0	ND
		PCB 99	µg/kg	1.5	5.0	ND
		PCB 101	µg/kg	2.4	5.0	ND
		PCB 105	µg/kg	1.4	5.0	ND
		PCB 110	µg/kg	1.1	5.0	ND
		PCB 114	µg/kg	2.0	5.0	ND
		PCB 118	µg/kg	2.1	5.0	ND
		PCB 119	µg/kg	2.3	5.0	ND
		PCB 123	µg/kg	2.6	5.0	ND
		PCB 126	µg/kg	2.0	5.0	ND
		PCB 128	µg/kg	2.5	5.0	ND
		PCB 138 (PCB 138/158)	µg/kg	2.3	10	ND
		PCB 149	µg/kg	2.4	5.0	ND
		PCB 151	µg/kg	1.7	5.0	ND
		PCB 153 (PCB 132/153)	µg/kg	4.3	9.9	ND
		PCB 156	µg/kg	1.4	5.0	ND
		PCB 157	µg/kg	1.3	5.0	ND
		PCB 158 (see PCB 138)	NA	NA	NA	NA
		PCB 167	µg/kg	1.5	5.0	ND
		PCB 168	µg/kg	1.2	5.0	ND
		PCB 169	µg/kg	1.5	5.0	ND
		PCB 170	µg/kg	1.6	5.0	ND
		PCB 177	µg/kg	2.2	5.0	ND
		PCB 180	µg/kg	1.0	5.0	ND
		PCB 183	µg/kg	2.7	5.0	ND
		PCB 187	µg/kg	2.1	5.0	ND
		PCB 189	µg/kg	1.5	5.0	ND
		PCB 194	µg/kg	2.8	5.0	ND
		PCB 195	µg/kg	2.9	5.0	ND
		PCB 201	µg/kg	2.4	5.0	ND
		PCB 206	µg/kg	4.8	5.0	ND
		PCB 209	µg/kg	3.6	5.0	ND
		Total PCBs	µg/kg	4.8	9.9	ND

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STORM-BORNE SEDIMENT ANALYTICAL RESULTS Composite of Storm Events						
Sample Composite 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
NS - No samples were collected at MdR-4
due to on-going construction related to the Oxford Basin Multiuse Enhancement Project
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

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STORM-BORNE SEDIMENT LOADING ESTIMATES		
Station Information	**Chemical Constituent**	**Total[1,2] (kg) (Sum of Storms)**
MdR-3[3,4]	Copper	7.56E-01
	Lead	3.86E-01
	Zinc	4.55E+00
	Total Chlordane	1.85E-04
	Total PCBs	1.01E-04
Station Information	**Chemical Constituent**	**Total[1,2] (kg) (Sum of Storms)**
MdR-4[3]	Copper	Not Available
	Lead	Not Available
	Zinc	Not Available
	Total Chlordane	Not Available
	Total PCBs	Not Available
Station Information	**Chemical Constituent**	**Total[1,2] (kg) (Sum of Storms)**
MdR-5	Copper	9.73E-01
	Lead	4.06E-01
	Zinc	4.12E+00
	Total Chlordane	1.46E-04
	Total PCBs	3.30E-05
Station Information	**Chemical Constituent**	**Total[1,2] (kg) (Sum of Storms)**
MdRU-C1[5]	Copper	6.08E-01
	Lead	1.97E-01
	Zinc	2.97E+00
	Total Chlordane	3.96E-05
	Total PCBs	3.16E-05
Station Information	**Chemical Constituent**	**Total[1,2] (kg) (Sum of Storms)**
MdRU-C2[3,6]	Copper	1.99E-01
	Lead	1.17E-01
	Zinc	1.71E+00
	Total Chlordane	1.34E-04
	Total PCBs	ND
Station Information	**Chemical Constituent**	**Total[1,2] (kg) (Sum of Storms)**
Total (Sum of Locations)	Copper	2.54E+00
	Lead	1.11E+00
	Zinc	1.34E+01
	Total Chlordane	5.04E-04
	Total PCBs	1.65E-04

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STORM-BORNE SEDIMENT LOADING ESTIMATES

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

[1] 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

[2] Missing total suspended solids data were substituted with the 2015-2016 median
78.5 for MdR-3 Event #1; 71 for MdR-5 Events #2 and #4; 28.5 for MdRU-C-1 Event #1; 83 for MdRU-C-2 Events #4 and #8

[3] Estimated storm-borne sediment loadings from MdRU-C-2, MdR-3, and MdR-4 (not monitored during this reporting year due to construction of the Oxford Retention Basin Multiuse Enhancement Project) flow into Oxford Retention Basin.
A study is under way to better understand the transport of suspended sediment from Oxford Retention Basin into Basin E

[4] Discharge volumes for MdR-3 for Storm Event #1 was determined to be affected by equipment error; volumes used in this table for load estimation were estimated by the Modified Rational Method (Hydrology Manual, 2006, Los Angeles County Department of Public Works) with rain data from the Electric Avenue Pump Plant (132,492 cf);
the Electric Avenue Pump Plant rain gauge data were considered more representative of the MdRH watershed because the Pump Plant is closer to MdRH than either the Los Angeles International Airport (LAX) rain gauge or the Santa Monica Municipal Airport (KSMO) rain gauge

[5] Discharge volumes for MdRU-C-1 (Events 1-9) were determined to be affected by equipment error; volumes used in this table for load estimation were estimated by the Modified Rational Method (Hydrology Manual, 2006, Los Angeles County Department of Public Works) with rain data from the Electric Avenue Pump Plant, except for Event #9;
the Electric Avenue Pump Plant rain gauge data for Event #9 (0.0 inch) were not considered representative of the MdRU-C-1 watershed because it recorded zero rainfall, yet there was sufficient local flow detected by the sampling equipment to collect water samples; therefore, the KSMO rain gauge data were used to estimate volume for Event #9; estimated volumes are: (2,314; 5,352; 30,521; 2,893; 8,824; 16,345; 5,786; 2,893; 1,736 cf);
MdRU-C-1 Load Estimates were extrapolated for the Under-Represented Area using a ratio of 85 acres to 4.9 acres

[6] Discharge volume for MdRU-C-2 for Storm Event #6 was determined to be affected by equipment error;
the volume used in this table for load estimation was estimated by the Modified Rational Method (Hydrology Manual, 2006, Los Angeles County Department of Public Works) with rain data from the Electric Avenue Pump Plant (34,941 cf);
MdRU-C-2 Load Estimates were extrapolated for the Under-Represented Area using a ratio of 161 acres to 6.51 acres

CF - cubic feet
CFS - cubic feet per second
cis-Chlordane = alpha-Chlordane
Detections are indicated in **bold**
kg - kilogram
MDL - Method Detection Limit
NA - Not applicable
ND - Analyte not detected at or above the method detection limit, load value is assumed as zero
No Storm Flow - no storm water flow occurred, 0 CFS, see text for further detail
No TSS - no data were available for Total Suspended Solids
Not Available - MdR-4 was not available for sampling or monitoring due to on-going construction related to the Oxford Basin Multiuse Enhancement Project
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

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Benthic Sediment Quality Data

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Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Benthic Sediments Monthly Effectiveness Monitoring
2015-2016

MONTHLY SUMMARY REPORT: August 2015
DRY WEATHER

Sample Date	Station Information	Metal	Units	MDL	Reporting Limit	TMDL Limit	Concentration
8/19/2015	MdRH-B-1	Copper	mg/kg	0.271	1.01	34	**366**
	Back Harbor	Lead	mg/kg	0.265	1.01	46.7	**60.1**
	Basin D	Zinc	mg/kg	0.357	2.01	150	**361**
	Saltwater Sediment						
8/19/2015	MdRH-B-2	Copper	mg/kg	0.385	1.43	34	**522**
	Back Harbor	Lead	mg/kg	0.376	1.43	46.7	**94.7**
	Basin E	Zinc	mg/kg	0.507	2.86	150	**541**
	Saltwater Sediment						
8/19/2015	MdRH-B-3	Copper	mg/kg	0.333	1.23	34	**476**
	Back Harbor	Lead	mg/kg	0.325	1.23	46.7	**97.1**
	Basin F	Zinc	mg/kg	0.438	2.47	150	**490**
	Saltwater Sediment						
8/19/2015	MdRH-B-4	Copper	mg/kg	0.300	1.11	34	**302**
	Back Harbor	Lead	mg/kg	0.293	1.11	46.7	**67.7**
	Basin - End of Channel	Zinc	mg/kg	0.395	2.22	150	**358**
	Saltwater Sediment						

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
2015-2016

MONTHLY SUMMARY REPORT: September 2015
DRY WEATHER

Sample Date	Station Information	Metal	Units	MDL	Reporting Limit	TMDL Limit	Concentration
9/10/2015	MdRH-B-1	Copper	mg/kg	0.266	0.986	34	**382**
	Back Harbor	Lead	mg/kg	0.260	0.986	46.7	**59.4**
	Basin D	Zinc	mg/kg	0.350	1.97	150	**365**
	Saltwater Sediment						
9/10/2015	MdRH-B-2	Copper	mg/kg	0.354	1.31	34	**589**
	Back Harbor	Lead	mg/kg	0.346	1.31	46.7	**105**
	Basin E	Zinc	mg/kg	0.467	2.63	150	**592**
	Saltwater Sediment						
9/10/2015	MdRH-B-3	Copper	mg/kg	0.343	1.27	34	**547**
	Back Harbor	Lead	mg/kg	0.335	1.27	46.7	**109**
	Basin F	Zinc	mg/kg	0.452	2.55	150	**538**
	Saltwater Sediment						
9/10/2015	MdRH-B-4	Copper	mg/kg	0.266	0.989	34	**297**
	Back Harbor	Lead	mg/kg	0.260	0.989	46.7	**67.8**
	Basin - End of Channel	Zinc	mg/kg	0.351	1.98	150	**352**
	Saltwater Sediment						

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
2015-2016

MONTHLY SUMMARY REPORT: October 2015
DRY WEATHER

Sample Date	Station Information	Metal	Units	MDL	Reporting Limit	TMDL Limit	Concentration
10/7/2015	MdRH-B-1 Back Harbor Basin D Saltwater Sediment	Copper Lead Zinc	mg/kg mg/kg mg/kg	0.266 0.260 0.351	0.988 0.988 1.98	34 46.7 150	**314** **62.4** **321**
10/7/2015	MdRH-B-2 Back Harbor Basin E Saltwater Sediment	Copper Lead Zinc	mg/kg mg/kg mg/kg	0.382 0.374 0.504	1.42 1.42 2.84	34 46.7 150	**486** **95.1** **523**
10/7/2015	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	**404** **90.7** **416**
10/7/2015	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	**294** **70.3** **338**

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
2015-2016

MONTHLY SUMMARY REPORT: November 2015
DRY WEATHER

Sample Date	Station Information	Metal	Units	MDL	Reporting Limit	TMDL Limit	Concentration
11/11/2015	MdRH-B-1	Copper	mg/kg	0.273	1.01	34	**420**
	Back Harbor	Lead	mg/kg	0.267	1.01	46.7	**65.6**
	Basin D	Zinc	mg/kg	0.360	2.03	150	**389**
	Saltwater Sediment						
11/11/2015	MdRH-B-2	Copper	mg/kg	0.386	1.43	34	**557**
	Back Harbor	Lead	mg/kg	0.377	1.43	46.7	**101**
	Basin E	Zinc	mg/kg	0.508	2.86	150	**571**
	Saltwater Sediment						
11/11/2015	MdRH-B-3	Copper	mg/kg	0.368	1.37	34	**512**
	Back Harbor	Lead	mg/kg	0.360	1.37	46.7	**101**
	Basin F	Zinc	mg/kg	0.485	2.73	150	**501**
	Saltwater Sediment						
11/11/2015	MdRH-B-4	Copper	mg/kg	0.326	1.21	34	**317**
	Back Harbor	Lead	mg/kg	0.318	1.21	46.7	**72.1**
	Basin - End of Channel	Zinc	mg/kg	0.429	2.42	150	**365**
	Saltwater Sediment						

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
2015-2016

MONTHLY SUMMARY REPORT: December 2015
DRY WEATHER

Sample Date	Station Information	Metal	Units	MDL	Reporting Limit	TMDL Limit	Concentration
12/9/2015	MdRH-B-1	Copper	mg/kg	0.301	1.12	34	**415**
	Back Harbor	Lead	mg/kg	0.294	1.12	46.7	**67.5**
	Basin D	Zinc	mg/kg	0.397	2.24	150	**385**
	Saltwater Sediment						
12/9/2015	MdRH-B-2	Copper	mg/kg	0.361	1.34	34	**501**
	Back Harbor	Lead	mg/kg	0.352	1.34	46.7	**94.1**
	Basin E	Zinc	mg/kg	0.475	2.68	150	**506**
	Saltwater Sediment						
12/9/2015	MdRH-B-3	Copper	mg/kg	0.371	1.38	34	**380**
	Back Harbor	Lead	mg/kg	0.363	1.38	46.7	**81.2**
	Basin F	Zinc	mg/kg	0.489	2.76	150	**381**
	Saltwater Sediment						
12/9/2015	MdRH-B-4	Copper	mg/kg	0.298	1.11	34	**306**
	Back Harbor	Lead	mg/kg	0.291	1.11	46.7	**70.8**
	Basin - End of Channel	Zinc	mg/kg	0.392	2.21	150	**351**
	Saltwater Sediment						

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
2015-2016

MONTHLY SUMMARY REPORT: January 2016
DRY WEATHER

Sample Date	Station Information	Metal	Units	MDL	Reporting Limit	TMDL Limit	Concentration
1/13/2016	MdRH-B-1	Copper	mg/kg	0.293	1.09	34	**439**
	Back Harbor	Lead	mg/kg	0.287	1.09	46.7	**73.4**
	Basin D	Zinc	mg/kg	0.386	2.18	150	**421**
	Saltwater Sediment						
1/13/2016	MdRH-B-2	Copper	mg/kg	0.386	1.43	34	**582**
	Back Harbor	Lead	mg/kg	0.377	1.43	46.7	**112**
	Basin E	Zinc	mg/kg	0.508	2.86	150	**645**
	Saltwater Sediment						
1/13/2016	MdRH-B-3	Copper	mg/kg	0.343	1.27	34	**539**
	Back Harbor	Lead	mg/kg	0.335	1.27	46.7	**114**
	Basin F	Zinc	mg/kg	0.452	2.54	150	**563**
	Saltwater Sediment						
1/13/2016	MdRH-B-4	Copper	mg/kg	0.308	1.14	34	**336**
	Back Harbor	Lead	mg/kg	0.301	1.14	46.7	**76.9**
	Basin - End of Channel	Zinc	mg/kg	0.405	2.28	150	**406**
	Saltwater Sediment						

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
2015-2016

MONTHLY SUMMARY REPORT: February 2016
DRY WEATHER

Sample Date	Station Information	Metal	Units	MDL	Reporting Limit	TMDL Limit	Concentration
2/26/2016	MdRH-B-1 Back Harbor Basin D Saltwater Sediment	Copper Lead Zinc	mg/kg mg/kg mg/kg	0.873 0.854 1.15	3.24 3.24 6.48	34 46.7 150	**1,060** **178** **1,060**
2/26/2016	MdRH-B-2 Back Harbor Basin E Saltwater Sediment	Copper Lead Zinc	mg/kg mg/kg mg/kg	0.303 0.296 0.399	1.12 1.12 2.25	34 46.7 150	**426** **81.8** **440**
2/26/2016	MdRH-B-3 Back Harbor Basin F Saltwater Sediment	Copper Lead Zinc	mg/kg mg/kg mg/kg	0.299 0.292 0.393	1.11 1.11 2.22	34 46.7 150	**400** **80.0** **398**
2/26/2016	MdRH-B-4 Back Harbor Basin - End of Channel Saltwater Sediment	Copper Lead Zinc	mg/kg mg/kg mg/kg	0.281 0.275 0.370	1.04 1.04 2.09	34 46.7 150	**304** **69.4** **354**

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
2015-2016

MONTHLY SUMMARY REPORT: March 2016
DRY WEATHER

Sample Date	Station Information	Metal	Units	MDL	Reporting Limit	TMDL Limit	Concentration
3/11/2016	MdRH-B-1 Back Harbor Basin D Saltwater Sediment	Copper Lead Zinc	mg/kg mg/kg mg/kg	0.287 0.281 0.379	1.07 1.07 2.13	34 46.7 150	**383** **66.2** **379**
3/11/2016	MdRH-B-2 Back Harbor Basin E Saltwater Sediment	Copper Lead Zinc	mg/kg mg/kg mg/kg	0.408 0.399 0.538	1.51 1.51 3.03	34 46.7 150	**560** **107** **608**
3/11/2016	MdRH-B-3 Back Harbor Basin F Saltwater Sediment	Copper Lead Zinc	mg/kg mg/kg mg/kg	0.332 0.325 0.438	1.23 1.23 2.47	34 46.7 150	**449** **92.1** **456**
3/11/2016	MdRH-B-4 Back Harbor Basin - End of Channel Saltwater Sediment	Copper Lead Zinc	mg/kg mg/kg mg/kg	0.283 0.276 0.373	1.05 1.05 2.10	34 46.7 150	**285** **67.8** **356**

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
2015-2016

MONTHLY SUMMARY REPORT: April 2016
DRY WEATHER

Sample Date	Station Information	Metal	Units	MDL	Reporting Limit	TMDL Limit	Concentration
4/28/2016	MdRH-B-1	Copper	mg/kg	0.247	0.918	34	**377**
	Back Harbor	Lead	mg/kg	0.242	0.918	46.7	**61.8**
	Basin D	Zinc	mg/kg	0.326	1.84	150	**362**
	Saltwater Sediment						
4/28/2016	MdRH-B-2	Copper	mg/kg	0.369	1.37	34	**509**
	Back Harbor	Lead	mg/kg	0.360	1.37	46.7	**103**
	Basin E	Zinc	mg/kg	0.486	2.74	150	**530**
	Saltwater Sediment						
4/28/2016	MdRH-B-3	Copper	mg/kg	0.334	1.24	34	**445**
	Back Harbor	Lead	mg/kg	0.326	1.24	46.7	**91.2**
	Basin F	Zinc	mg/kg	0.440	2.48	150	**450**
	Saltwater Sediment						
4/28/2016	MdRH-B-4	Copper	mg/kg	0.276	1.02	34	**289**
	Back Harbor	Lead	mg/kg	0.270	1.02	46.7	**67.3**
	Basin - End of Channel	Zinc	mg/kg	0.364	2.05	150	**342**
	Saltwater Sediment						

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
2015-2016

MONTHLY SUMMARY REPORT: May 2016
DRY WEATHER

Sample Date	Station Information	Metal	Units	MDL	Reporting Limit	TMDL Limit	Concentration
5/23/2016	MdRH-B-1	Copper	mg/kg	0.285	1.06	34	**322**
	Back Harbor	Lead	mg/kg	0.278	1.06	46.7	**55.1**
	Basin D	Zinc	mg/kg	0.375	2.11	150	**305**
	Saltwater Sediment						
5/23/2016	MdRH-B-2	Copper	mg/kg	0.391	1.45	34	**505**
	Back Harbor	Lead	mg/kg	0.382	1.45	46.7	**100**
	Basin E	Zinc	mg/kg	0.515	2.90	150	**520**
	Saltwater Sediment						
5/23/2016	MdRH-B-3	Copper	mg/kg	0.359	1.33	34	**477**
	Back Harbor	Lead	mg/kg	0.350	1.33	46.7	**99.1**
	Basin F	Zinc	mg/kg	0.473	2.66	150	**462**
	Saltwater Sediment						
5/23/2016	MdRH-B-4	Copper	mg/kg	0.339	1.26	34	**260**
	Back Harbor	Lead	mg/kg	0.331	1.26	46.7	**63.3**
	Basin - End of Channel	Zinc	mg/kg	0.447	2.52	150	**297**
	Saltwater Sediment						

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
2015-2016

MONTHLY SUMMARY REPORT: June 2016
DRY WEATHER

Sample Date	Station Information	Metal	Units	MDL	Reporting Limit	TMDL Limit	Concentration
6/23/2016	MdRH-B-1	Copper	mg/kg	0.269	0.996	34	**338**
	Back Harbor	Lead	mg/kg	0.262	0.996	46.7	**56.7**
	Basin D	Zinc	mg/kg	0.354	1.99	150	**303**
	Saltwater Sediment						
6/23/2016	MdRH-B-2	Copper	mg/kg	0.396	1.47	34	**394**
	Back Harbor	Lead	mg/kg	0.387	1.47	46.7	**73.0**
	Basin E	Zinc	mg/kg	0.522	2.94	150	**385**
	Saltwater Sediment						
6/23/2016	MdRH-B-3	Copper	mg/kg	0.326	1.21	34	**431**
	Back Harbor	Lead	mg/kg	0.319	1.21	46.7	**83.2**
	Basin F	Zinc	mg/kg	0.430	2.42	150	**393**
	Saltwater Sediment						
6/23/2016	MdRH-B-4	Copper	mg/kg	0.303	1.12	34	**296**
	Back Harbor	Lead	mg/kg	0.296	1.12	46.7	**65.0**
	Basin - End of Channel	Zinc	mg/kg	0.399	2.25	150	**315**
	Saltwater Sediment						

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
2015-2016

MONTHLY SUMMARY REPORT: August 2015
DRY WEATHER

Sample Date	Station Information	Organics	Units	MDL	Reporting Limit	TMDL Limit*	Concentration
8/19/2015	MdRH-B-1	Chlordane	µg/kg	0.31	0.97	0.50	ND
	Back Harbor	Aroclor 1016	µg/kg	8.1	19	22.7	ND
	Basin D	Aroclor 1221	µg/kg	16	19	22.7	ND
	Saltwater Sediment	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	**45**
		Aroclor 1260	µg/kg	12	19	22.7	**44**
		Aroclor 1262	µg/kg	13	19	22.7	ND
		Total PCBs	µg/kg	16	19	22.7	**89**
8/19/2015	MdRH-B-2	Chlordane	µg/kg	0.45	1.4	0.50	ND
	Back Harbor	Aroclor 1016	µg/kg	11	28	22.7	ND
	Basin E	Aroclor 1221	µg/kg	23	28	22.7	ND
	Saltwater Sediment	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	17	28	22.7	**64**
		Aroclor 1260	µg/kg	17	28	22.7	**83**
		Aroclor 1262	µg/kg	18	28	22.7	ND
		Total PCBs	µg/kg	23	28	22.7	**147**
8/19/2015	MdRH-B-3	Chlordane	µg/kg	0.40	1.2	0.50	ND
	Back Harbor	Aroclor 1016	µg/kg	10	25	22.7	ND
	Basin F	Aroclor 1221	µg/kg	21	25	22.7	ND
	Saltwater Sediment	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	**61**
		Aroclor 1260	µg/kg	16	25	22.7	**47**
		Aroclor 1262	µg/kg	16	25	22.7	ND
		Total PCBs	µg/kg	21	25	22.7	**108**
8/19/2015	MdRH-B-4	Chlordane	µg/kg	0.36	1.1	0.50	ND
	Back Harbor	Aroclor 1016	µg/kg	9.2	22	22.7	ND
	Basin - End of Channel	Aroclor 1221	µg/kg	19	22	22.7	ND
	Saltwater Sediment	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	**44**
		Aroclor 1260	µg/kg	14	22	22.7	**50**
		Aroclor 1262	µg/kg	14	22	22.7	ND
		Total PCBs	µg/kg	19	22	22.7	**94**

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Benthic Sediments Monthly Effectiveness Monitoring
2015-2016

MONTHLY SUMMARY REPORT: August 2015 DRY WEATHER							
Sample Date	**Station Information**	**Organics**	**Units**	**MDL**	**Reporting Limit**	**TMDL 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
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
2015-2016

MONTHLY SUMMARY REPORT: September 2015
DRY WEATHER

Sample Date	Station Information	Organics	Units	MDL	Reporting Limit	TMDL Limit*	Concentration
9/10/2015	MdRH-B-1	Chlordane	µg/kg	0.31	0.96	0.50	ND
	Back Harbor	Aroclor 1016	µg/kg	7.9	19	22.7	ND
	Basin D	Aroclor 1221	µg/kg	16	19	22.7	ND
	Saltwater Sediment	Aroclor 1232	µg/kg	9.6	19	22.7	ND
		Aroclor 1242	µg/kg	9.7	19	22.7	ND
		Aroclor 1248	µg/kg	12	19	22.7	ND
		Aroclor 1254	µg/kg	12	19	22.7	**32**
		Aroclor 1260	µg/kg	12	19	22.7	**38**
		Aroclor 1262	µg/kg	12	19	22.7	ND
		Total PCBs	µg/kg	16	19	22.7	**70**
9/10/2015	MdRH-B-2	Chlordane	µg/kg	0.44	1.4	0.50	ND
	Back Harbor	Aroclor 1016	µg/kg	11	27	22.7	ND
	Basin E	Aroclor 1221	µg/kg	23	27	22.7	ND
	Saltwater Sediment	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	**63**
		Aroclor 1260	µg/kg	17	27	22.7	**85**
		Aroclor 1262	µg/kg	18	27	22.7	ND
		Total PCBs	µg/kg	23	27	22.7	**148**
9/10/2015	MdRH-B-3	Chlordane	µg/kg	0.42	1.3	0.50	ND
	Back Harbor	Aroclor 1016	µg/kg	11	26	22.7	ND
	Basin F	Aroclor 1221	µg/kg	22	26	22.7	ND
	Saltwater Sediment	Aroclor 1232	µg/kg	13	26	22.7	ND
		Aroclor 1242	µg/kg	13	26	22.7	ND
		Aroclor 1248	µg/kg	17	26	22.7	ND
		Aroclor 1254	µg/kg	16	26	22.7	**75**
		Aroclor 1260	µg/kg	16	26	22.7	**76**
		Aroclor 1262	µg/kg	17	26	22.7	ND
		Total PCBs	µg/kg	22	26	22.7	**151**
9/10/2015	MdRH-B-4	Chlordane	µg/kg	0.33	1.0	0.50	ND
	Back Harbor	Aroclor 1016	µg/kg	8.6	21	22.7	ND
	Basin - End of Channel	Aroclor 1221	µg/kg	17	21	22.7	ND
	Saltwater Sediment	Aroclor 1232	µg/kg	10	21	22.7	ND
		Aroclor 1242	µg/kg	10	21	22.7	ND
		Aroclor 1248	µg/kg	13	21	22.7	ND
		Aroclor 1254	µg/kg	13	21	22.7	**41**
		Aroclor 1260	µg/kg	13	21	22.7	**50**
		Aroclor 1262	µg/kg	13	21	22.7	ND
		Total PCBs	µg/kg	17	21	22.7	**91**

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Benthic Sediments Monthly Effectiveness Monitoring
2015-2016

MONTHLY SUMMARY REPORT: September 2015 DRY WEATHER							
Sample Date	**Station Information**	**Organics**	**Units**	**MDL**	**Reporting Limit**	**TMDL 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
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
2015-2016

MONTHLY SUMMARY REPORT: October 2015
DRY WEATHER

Sample Date	Station Information	Organics	Units	MDL	Reporting Limit	TMDL Limit*	Concentration
10/7/2015	MdRH-B-1	Chlordane	µg/kg	0.32	0.99	0.50	ND
	Back Harbor	Aroclor 1016	µg/kg	8.2	20	22.7	ND
	Basin D	Aroclor 1221	µg/kg	17	20	22.7	ND
	Saltwater Sediment	Aroclor 1232	µg/kg	9.9	20	22.7	ND
		Aroclor 1242	µg/kg	10	20	22.7	ND
		Aroclor 1248	µg/kg	12	20	22.7	ND
		Aroclor 1254	µg/kg	12	20	22.7	**110**
		Aroclor 1260	µg/kg	12	20	22.7	**100**
		Aroclor 1262	µg/kg	13	20	22.7	ND
		Total PCBs	µg/kg	17	20	22.7	**210**
10/7/2015	MdRH-B-2	Chlordane	µg/kg	0.48	1.5	0.50	ND
	Back Harbor	Aroclor 1016	µg/kg	12	30	22.7	ND
	Basin E	Aroclor 1221	µg/kg	25	30	22.7	ND
	Saltwater Sediment	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	**100**
		Aroclor 1260	µg/kg	19	30	22.7	**85**
		Aroclor 1262	µg/kg	19	30	22.7	ND
		Total PCBs	µg/kg	25	30	22.7	**185**
10/7/2015	MdRH-B-3	Chlordane	µg/kg	0.39	1.2	0.50	ND
	Back Harbor	Aroclor 1016	µg/kg	10	24	22.7	ND
	Basin F	Aroclor 1221	µg/kg	20	24	22.7	ND
	Saltwater Sediment	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	**100**
		Aroclor 1260	µg/kg	15	24	22.7	**77**
		Aroclor 1262	µg/kg	16	24	22.7	ND
		Total PCBs	µg/kg	20	24	22.7	**177**
10/7/2015	MdRH-B-4	Chlordane	µg/kg	0.34	1.1	0.50	ND
	Back Harbor	Aroclor 1016	µg/kg	8.9	21	22.7	ND
	Basin - End of Channel	Aroclor 1221	µg/kg	18	21	22.7	ND
	Saltwater Sediment	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	**67**
		Aroclor 1260	µg/kg	14	21	22.7	**58**
		Aroclor 1262	µg/kg	14	21	22.7	ND
		Total PCBs	µg/kg	18	21	22.7	**125**

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Benthic Sediments Monthly Effectiveness Monitoring
2015-2016

MONTHLY SUMMARY REPORT: October 2015 DRY WEATHER							
Sample Date	**Station Information**	**Organics**	**Units**	**MDL**	**Reporting Limit**	**TMDL 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
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
2015-2016

MONTHLY SUMMARY REPORT: November 2015
DRY WEATHER

Sample Date	Station Information	Organics	Units	MDL	Reporting Limit	TMDL Limit*	Concentration
11/11/2015	MdRH-B-1	Chlordane	µg/kg	0.34	1.1	0.50	ND
	Back Harbor	Aroclor 1016	µg/kg	8.7	21	22.7	ND
	Basin D	Aroclor 1221	µg/kg	18	21	22.7	ND
	Saltwater Sediment	Aroclor 1232	µg/kg	11	21	22.7	ND
		Aroclor 1242	µg/kg	11	21	22.7	ND
		Aroclor 1248	µg/kg	13	21	22.7	ND
		Aroclor 1254	µg/kg	13	21	22.7	**24**
		Aroclor 1260	µg/kg	13	21	22.7	**29**
		Aroclor 1262	µg/kg	14	21	22.7	ND
		Total PCBs	µg/kg	18	21	22.7	**53**
11/11/2015	MdRH-B-2	Chlordane	µg/kg	0.47	1.5	0.50	ND
	Back Harbor	Aroclor 1016	µg/kg	12	29	22.7	ND
	Basin E	Aroclor 1221	µg/kg	25	29	22.7	ND
	Saltwater Sediment	Aroclor 1232	µg/kg	15	29	22.7	ND
		Aroclor 1242	µg/kg	15	29	22.7	ND
		Aroclor 1248	µg/kg	19	29	22.7	ND
		Aroclor 1254	µg/kg	19	29	22.7	**35**
		Aroclor 1260	µg/kg	19	29	22.7	**43**
		Aroclor 1262	µg/kg	19	29	22.7	ND
		Total PCBs	µg/kg	25	29	22.7	**78**
11/11/2015	MdRH-B-3	Chlordane	µg/kg	0.44	1.4	0.50	ND
	Back Harbor	Aroclor 1016	µg/kg	11	27	22.7	ND
	Basin F	Aroclor 1221	µg/kg	23	27	22.7	ND
	Saltwater Sediment	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	**36**
		Aroclor 1260	µg/kg	17	27	22.7	**47**
		Aroclor 1262	µg/kg	18	27	22.7	ND
		Total PCBs	µg/kg	23	27	22.7	**83**
11/11/2015	MdRH-B-4	Chlordane	µg/kg	0.38	1.2	0.50	ND
	Back Harbor	Aroclor 1016	µg/kg	9.8	24	22.7	ND
	Basin - End of Channel	Aroclor 1221	µg/kg	20	24	22.7	ND
	Saltwater Sediment	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	**30**
		Aroclor 1260	µg/kg	15	24	22.7	**39**
		Aroclor 1262	µg/kg	15	24	22.7	ND
		Total PCBs	µg/kg	20	24	22.7	**69**

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Benthic Sediments Monthly Effectiveness Monitoring
2015-2016

MONTHLY SUMMARY REPORT: November 2015 DRY WEATHER							
Sample Date	**Station Information**	**Organics**	**Units**	**MDL**	**Reporting Limit**	**TMDL 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
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
2015-2016

MONTHLY SUMMARY REPORT: December 2015
DRY WEATHER

Sample Date	Station Information	Organics	Units	MDL	Reporting Limit	TMDL Limit*	Concentration
12/9/2015	MdRH-B-1	Chlordane	µg/kg	0.36	1.1	0.50	ND
	Back Harbor	Aroclor 1016	µg/kg	9.3	22	22.7	ND
	Basin D	Aroclor 1221	µg/kg	19	22	22.7	ND
	Saltwater Sediment	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	**31**
		Aroclor 1260	µg/kg	14	22	22.7	**28**
		Aroclor 1262	µg/kg	15	22	22.7	ND
		Total PCBs	µg/kg	19	22	22.7	**59**
12/9/2015	MdRH-B-2	Chlordane	µg/kg	0.45	1.4	0.50	ND
	Back Harbor	Aroclor 1016	µg/kg	11	28	22.7	ND
	Basin E	Aroclor 1221	µg/kg	23	28	22.7	ND
	Saltwater Sediment	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	17	28	22.7	**34**
		Aroclor 1260	µg/kg	17	28	22.7	**37**
		Aroclor 1262	µg/kg	18	28	22.7	ND
		Total PCBs	µg/kg	23	28	22.7	**71**
12/9/2015	MdRH-B-3	Chlordane	µg/kg	0.42	1.3	0.50	ND
	Back Harbor	Aroclor 1016	µg/kg	11	26	22.7	ND
	Basin F	Aroclor 1221	µg/kg	22	26	22.7	ND
	Saltwater Sediment	Aroclor 1232	µg/kg	13	26	22.7	ND
		Aroclor 1242	µg/kg	13	26	22.7	ND
		Aroclor 1248	µg/kg	17	26	22.7	ND
		Aroclor 1254	µg/kg	17	26	22.7	**44**
		Aroclor 1260	µg/kg	17	26	22.7	**44**
		Aroclor 1262	µg/kg	17	26	22.7	ND
		Total PCBs	µg/kg	22	26	22.7	**88**
12/9/2015	MdRH-B-4	Chlordane	µg/kg	0.35	1.1	0.50	ND
	Back Harbor	Aroclor 1016	µg/kg	8.9	21	22.7	ND
	Basin - End of Channel	Aroclor 1221	µg/kg	18	21	22.7	ND
	Saltwater Sediment	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	**31**
		Aroclor 1260	µg/kg	14	21	22.7	**37**
		Aroclor 1262	µg/kg	14	21	22.7	ND
		Total PCBs	µg/kg	18	21	22.7	**68**

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Benthic Sediments Monthly Effectiveness Monitoring
2015-2016

MONTHLY SUMMARY REPORT: December 2015 DRY WEATHER							
Sample Date	**Station Information**	**Organics**	**Units**	**MDL**	**Reporting Limit**	**TMDL 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
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
2015-2016

MONTHLY SUMMARY REPORT: January 2016
DRY WEATHER

Sample Date	Station Information	Organics	Units	MDL	Reporting Limit	TMDL Limit*	Concentration
1/13/2016	MdRH-B-1	Chlordane	µg/kg	0.36	1.1	0.50	ND
	Back Harbor	Aroclor 1016	µg/kg	9.3	22	22.7	ND
	Basin D	Aroclor 1221	µg/kg	19	22	22.7	ND
	Saltwater Sediment	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	**53**
		Aroclor 1260	µg/kg	14	22	22.7	**50**
		Aroclor 1262	µg/kg	15	22	22.7	ND
		Total PCBs	µg/kg	19	22	22.7	**103**
1/13/2016	MdRH-B-2	Chlordane	µg/kg	0.46	1.4	0.50	ND
	Back Harbor	Aroclor 1016	µg/kg	12	28	22.7	ND
	Basin E	Aroclor 1221	µg/kg	24	28	22.7	ND
	Saltwater Sediment	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	**71**
		Aroclor 1260	µg/kg	18	28	22.7	**57**
		Aroclor 1262	µg/kg	18	28	22.7	ND
		Total PCBs	µg/kg	24	28	22.7	**128**
1/13/2016	MdRH-B-3	Chlordane	µg/kg	0.41	1.3	0.50	ND
	Back Harbor	Aroclor 1016	µg/kg	11	26	22.7	ND
	Basin F	Aroclor 1221	µg/kg	22	26	22.7	ND
	Saltwater Sediment	Aroclor 1232	µg/kg	13	26	22.7	ND
		Aroclor 1242	µg/kg	13	26	22.7	ND
		Aroclor 1248	µg/kg	16	26	22.7	ND
		Aroclor 1254	µg/kg	16	26	22.7	**82**
		Aroclor 1260	µg/kg	16	26	22.7	**67**
		Aroclor 1262	µg/kg	17	26	22.7	ND
		Total PCBs	µg/kg	22	26	22.7	**149**
1/13/2016	MdRH-B-4	Chlordane	µg/kg	0.35	1.1	0.50	ND
	Back Harbor	Aroclor 1016	µg/kg	9.0	21	22.7	ND
	Basin - End of Channel	Aroclor 1221	µg/kg	18	21	22.7	ND
	Saltwater Sediment	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	**67**
		Aroclor 1260	µg/kg	14	21	22.7	**160**
		Aroclor 1262	µg/kg	14	21	22.7	ND
		Total PCBs	µg/kg	18	21	22.7	**227**

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Benthic Sediments Monthly Effectiveness Monitoring
2015-2016

MONTHLY SUMMARY REPORT: January 2016 DRY WEATHER							
Sample Date	**Station Information**	**Organics**	**Units**	**MDL**	**Reporting Limit**	**TMDL 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
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
2015-2016

MONTHLY SUMMARY REPORT: February 2016
DRY WEATHER

Sample Date	Station Information	Organics	Units	MDL	Reporting Limit	TMDL Limit*	Concentration
2/26/2016	MdRH-B-1	Chlordane	µg/kg	1.1	3.3	0.50	ND
	Back Harbor	Aroclor 1016	µg/kg	27	66	22.7	ND
	Basin D	Aroclor 1221	µg/kg	56	66	22.7	ND
	Saltwater Sediment	Aroclor 1232	µg/kg	33	66	22.7	ND
		Aroclor 1242	µg/kg	34	66	22.7	ND
		Aroclor 1248	µg/kg	42	66	22.7	ND
		Aroclor 1254	µg/kg	42	66	22.7	**170**
		Aroclor 1260	µg/kg	42	66	22.7	**140**
		Aroclor 1262	µg/kg	43	66	22.7	ND
		Total PCBs	µg/kg	56	66	22.7	**310**
2/26/2016	MdRH-B-2	Chlordane	µg/kg	0.35	1.1	0.50	ND
	Back Harbor	Aroclor 1016	µg/kg	9.1	22	22.7	ND
	Basin E	Aroclor 1221	µg/kg	18	22	22.7	ND
	Saltwater Sediment	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	**72**
		Aroclor 1260	µg/kg	14	22	22.7	**61**
		Aroclor 1262	µg/kg	14	22	22.7	ND
		Total PCBs	µg/kg	18	22	22.7	**133**
2/26/2016	MdRH-B-3	Chlordane	µg/kg	0.37	1.2	0.50	ND
	Back Harbor	Aroclor 1016	µg/kg	9.5	23	22.7	ND
	Basin F	Aroclor 1221	µg/kg	19	23	22.7	ND
	Saltwater Sediment	Aroclor 1232	µg/kg	11	23	22.7	ND
		Aroclor 1242	µg/kg	12	23	22.7	ND
		Aroclor 1248	µg/kg	15	23	22.7	ND
		Aroclor 1254	µg/kg	14	23	22.7	**79**
		Aroclor 1260	µg/kg	14	23	22.7	**64**
		Aroclor 1262	µg/kg	15	23	22.7	ND
		Total PCBs	µg/kg	19	23	22.7	**143**
2/26/2016	MdRH-B-4	Chlordane	µg/kg	0.35	1.1	0.50	ND
	Back Harbor	Aroclor 1016	µg/kg	9.0	22	22.7	ND
	Basin - End of Channel	Aroclor 1221	µg/kg	18	22	22.7	ND
	Saltwater Sediment	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	**67**
		Aroclor 1260	µg/kg	14	22	22.7	**55**
		Aroclor 1262	µg/kg	14	22	22.7	ND
		Total PCBs	µg/kg	18	22	22.7	**122**

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Benthic Sediments Monthly Effectiveness Monitoring
2015-2016

MONTHLY SUMMARY REPORT: February 2016 DRY WEATHER							
Sample Date	**Station Information**	**Organics**	**Units**	**MDL**	**Reporting Limit**	**TMDL 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
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
2015-2016

MONTHLY SUMMARY REPORT: March 2016
DRY WEATHER

Sample Date	Station Information	Organics	Units	MDL	Reporting Limit	TMDL Limit*	Concentration
3/11/2016	MdRH-B-1	Chlordane	µg/kg	0.33	1.0	0.50	ND
	Back Harbor	Aroclor 1016	µg/kg	8.6	21	22.7	ND
	Basin D	Aroclor 1221	µg/kg	17	21	22.7	ND
	Saltwater Sediment	Aroclor 1232	µg/kg	10	21	22.7	ND
		Aroclor 1242	µg/kg	10	21	22.7	ND
		Aroclor 1248	µg/kg	13	21	22.7	ND
		Aroclor 1254	µg/kg	13	21	22.7	**37**
		Aroclor 1260	µg/kg	13	21	22.7	**40**
		Aroclor 1262	µg/kg	13	21	22.7	ND
		Total PCBs	µg/kg	17	21	22.7	**77**
3/11/2016	MdRH-B-2	Chlordane	µg/kg	0.47	1.5	0.50	ND
	Back Harbor	Aroclor 1016	µg/kg	12	29	22.7	ND
	Basin E	Aroclor 1221	µg/kg	25	29	22.7	ND
	Saltwater Sediment	Aroclor 1232	µg/kg	15	29	22.7	ND
		Aroclor 1242	µg/kg	15	29	22.7	ND
		Aroclor 1248	µg/kg	19	29	22.7	ND
		Aroclor 1254	µg/kg	18	29	22.7	**58**
		Aroclor 1260	µg/kg	18	29	22.7	**61**
		Aroclor 1262	µg/kg	19	29	22.7	ND
		Total PCBs	µg/kg	25	29	22.7	**119**
3/11/2016	MdRH-B-3	Chlordane	µg/kg	0.39	1.2	0.50	ND
	Back Harbor	Aroclor 1016	µg/kg	10	24	22.7	ND
	Basin F	Aroclor 1221	µg/kg	20	24	22.7	ND
	Saltwater Sediment	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	**58**
		Aroclor 1260	µg/kg	15	24	22.7	**62**
		Aroclor 1262	µg/kg	16	24	22.7	ND
		Total PCBs	µg/kg	20	24	22.7	**120**
3/11/2016	MdRH-B-4	Chlordane	µg/kg	0.35	1.1	0.50	ND
	Back Harbor	Aroclor 1016	µg/kg	9.1	22	22.7	ND
	Basin - End of Channel	Aroclor 1221	µg/kg	18	22	22.7	ND
	Saltwater Sediment	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	**40**
		Aroclor 1260	µg/kg	14	22	22.7	**49**
		Aroclor 1262	µg/kg	14	22	22.7	ND
		Total PCBs	µg/kg	18	22	22.7	**89**

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Benthic Sediments Monthly Effectiveness Monitoring
2015-2016

MONTHLY SUMMARY REPORT: March 2016 DRY WEATHER							
Sample Date	**Station Information**	**Organics**	**Units**	**MDL**	**Reporting Limit**	**TMDL 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
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
2015-2016

MONTHLY SUMMARY REPORT: April 2016
DRY WEATHER

Sample Date	Station Information	Organics	Units	MDL	Reporting Limit	TMDL Limit*	Concentration
4/28/2016	MdRH-B-1	Chlordane	µg/kg	0.30	0.93	0.50	ND
	Back Harbor	Aroclor 1016	µg/kg	7.8	19	22.7	ND
	Basin D	Aroclor 1221	µg/kg	16	19	22.7	ND
	Saltwater Sediment	Aroclor 1232	µg/kg	9.4	19	22.7	ND
		Aroclor 1242	µg/kg	9.5	19	22.7	ND
		Aroclor 1248	µg/kg	12	19	22.7	ND
		Aroclor 1254	µg/kg	12	19	22.7	**32**
		Aroclor 1260	µg/kg	12	19	22.7	**39**
		Aroclor 1262	µg/kg	12	19	22.7	ND
		Total PCBs	µg/kg	16	19	22.7	**71**
4/28/2016	MdRH-B-2	Chlordane	µg/kg	0.44	1.4	0.50	ND
	Back Harbor	Aroclor 1016	µg/kg	11	27	22.7	ND
	Basin E	Aroclor 1221	µg/kg	23	27	22.7	ND
	Saltwater Sediment	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	**57**
		Aroclor 1260	µg/kg	17	27	22.7	**68**
		Aroclor 1262	µg/kg	18	27	22.7	ND
		Total PCBs	µg/kg	23	27	22.7	**125**
4/28/2016	MdRH-B-3	Chlordane	µg/kg	0.39	1.2	0.50	ND
	Back Harbor	Aroclor 1016	µg/kg	10	24	22.7	ND
	Basin F	Aroclor 1221	µg/kg	20	24	22.7	ND
	Saltwater Sediment	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	**64**
		Aroclor 1260	µg/kg	15	24	22.7	**75**
		Aroclor 1262	µg/kg	16	24	22.7	ND
		Total PCBs	µg/kg	20	24	22.7	**139**
4/28/2016	MdRH-B-4	Chlordane	µg/kg	0.32	0.99	0.50	ND
	Back Harbor	Aroclor 1016	µg/kg	8.2	20	22.7	ND
	Basin - End of Channel	Aroclor 1221	µg/kg	17	20	22.7	ND
	Saltwater Sediment	Aroclor 1232	µg/kg	9.9	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	12	20	22.7	**35**
		Aroclor 1260	µg/kg	12	20	22.7	**46**
		Aroclor 1262	µg/kg	13	20	22.7	ND
		Total PCBs	µg/kg	17	20	22.7	**81**

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Benthic Sediments Monthly Effectiveness Monitoring
2015-2016

MONTHLY SUMMARY REPORT: April 2016 DRY WEATHER							
Sample Date	**Station Information**	**Organics**	**Units**	**MDL**	**Reporting Limit**	**TMDL 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
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
2015-2016

MONTHLY SUMMARY REPORT: May 2016
DRY WEATHER

Sample Date	Station Information	Organics	Units	MDL	Reporting Limit	TMDL Limit*	Concentration
5/23/2016	MdRH-B-1	Chlordane	µg/kg	0.33	1.0	0.50	ND
	Back Harbor	Aroclor 1016	µg/kg	8.6	21	22.7	ND
	Basin D	Aroclor 1221	µg/kg	17	21	22.7	ND
	Saltwater Sediment	Aroclor 1232	µg/kg	10	21	22.7	ND
		Aroclor 1242	µg/kg	11	21	22.7	ND
		Aroclor 1248	µg/kg	13	21	22.7	ND
		Aroclor 1254	µg/kg	13	21	22.7	**13 J**
		Aroclor 1260	µg/kg	13	21	22.7	**17 J**
		Aroclor 1262	µg/kg	13	21	22.7	ND
		Total PCBs	µg/kg	17	21	22.7	**30 J**
5/23/2016	MdRH-B-2	Chlordane	µg/kg	0.47	1.5	0.50	ND
	Back Harbor	Aroclor 1016	µg/kg	12	29	22.7	ND
	Basin E	Aroclor 1221	µg/kg	24	29	22.7	ND
	Saltwater Sediment	Aroclor 1232	µg/kg	15	29	22.7	ND
		Aroclor 1242	µg/kg	15	29	22.7	ND
		Aroclor 1248	µg/kg	18	29	22.7	ND
		Aroclor 1254	µg/kg	18	29	22.7	ND
		Aroclor 1260	µg/kg	18	29	22.7	ND
		Aroclor 1262	µg/kg	19	29	22.7	ND
		Total PCBs	µg/kg	24	29	22.7	ND
5/23/2016	MdRH-B-3	Chlordane	µg/kg	0.43	1.3	0.50	ND
	Back Harbor	Aroclor 1016	µg/kg	11	27	22.7	ND
	Basin F	Aroclor 1221	µg/kg	23	27	22.7	ND
	Saltwater Sediment	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	ND
		Aroclor 1260	µg/kg	17	27	22.7	ND
		Aroclor 1262	µg/kg	18	27	22.7	ND
		Total PCBs	µg/kg	23	27	22.7	ND
5/23/2016	MdRH-B-4	Chlordane	µg/kg	0.39	1.2	0.50	ND
	Back Harbor	Aroclor 1016	µg/kg	10	24	22.7	ND
	Basin - End of Channel	Aroclor 1221	µg/kg	20	24	22.7	ND
	Saltwater Sediment	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	ND
		Aroclor 1260	µg/kg	15	24	22.7	ND
		Aroclor 1262	µg/kg	16	24	22.7	ND
		Total PCBs	µg/kg	20	24	22.7	ND

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Benthic Sediments Monthly Effectiveness Monitoring
2015-2016

MONTHLY SUMMARY REPORT: May 2016 DRY WEATHER							
Sample Date	**Station Information**	**Organics**	**Units**	**MDL**	**Reporting Limit**	**TMDL Limit***	**Concentration**

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

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Benthic Sediments Monthly Effectiveness Monitoring
2015-2016

MONTHLY SUMMARY REPORT: June 2016
DRY WEATHER

Sample Date	Station Information	Organics	Units	MDL	Reporting Limit	TMDL Limit*	Concentration
6/23/2016	MdRH-B-1	Chlordane	µg/kg	0.33	1.0	0.50	ND
	Back Harbor	Aroclor 1016	µg/kg	8.4	20	22.7	ND
	Basin D	Aroclor 1221	µg/kg	17	20	22.7	ND
	Saltwater Sediment	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	**39**
		Aroclor 1260	µg/kg	13	20	22.7	**49**
		Aroclor 1262	µg/kg	13	20	22.7	ND
		Total PCBs	µg/kg	17	20	22.7	**88**
6/23/2016	MdRH-B-2	Chlordane	µg/kg	0.46	1.4	0.50	ND
	Back Harbor	Aroclor 1016	µg/kg	12	28	22.7	ND
	Basin E	Aroclor 1221	µg/kg	24	28	22.7	ND
	Saltwater Sediment	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	**69**
		Aroclor 1260	µg/kg	18	28	22.7	**90**
		Aroclor 1262	µg/kg	19	28	22.7	ND
		Total PCBs	µg/kg	24	28	22.7	**159**
6/23/2016	MdRH-B-3	Chlordane	µg/kg	0.41	1.3	0.50	ND
	Back Harbor	Aroclor 1016	µg/kg	11	25	22.7	ND
	Basin F	Aroclor 1221	µg/kg	21	25	22.7	ND
	Saltwater Sediment	Aroclor 1232	µg/kg	13	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	**66**
		Aroclor 1260	µg/kg	16	25	22.7	**140**
		Aroclor 1262	µg/kg	17	25	22.7	ND
		Total PCBs	µg/kg	21	25	22.7	**206**
6/23/2016	MdRH-B-4	Chlordane	µg/kg	0.36	1.1	0.50	ND
	Back Harbor	Aroclor 1016	µg/kg	9.2	22	22.7	ND
	Basin - End of Channel	Aroclor 1221	µg/kg	19	22	22.7	ND
	Saltwater Sediment	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	**48**
		Aroclor 1260	µg/kg	14	22	22.7	**69**
		Aroclor 1262	µg/kg	14	22	22.7	ND
		Total PCBs	µg/kg	19	22	22.7	**117**

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Benthic Sediments Monthly Effectiveness Monitoring
2015-2016

MONTHLY SUMMARY REPORT: June 2016 DRY WEATHER							
Sample Date	**Station Information**	**Organics**	**Units**	**MDL**	**Reporting Limit**	**TMDL 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
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
2015 - 2016

MONTHLY SUMMARY REPORT: August 2015
DRY WEATHER

Sample Date	Station Information	Measurement	Units	MDL	Reporting Limit	Concentration
8/19/2015	MdRH-B-1	Percent Solids	percent	0.100	0.100	**51.5**
	Back Harbor	Total Organic Carbon	mg/kg	240	970	**15,000**
	Basin D	Clay	percent	NA	0.01	**7.50**
	Saltwater Sediment	Silt	percent	NA	0.01	**61.42**
		Sand	percent	NA	0.01	**31.08**
		Gravel	percent	NA	0.01	ND
8/19/2015	MdRH-B-2	Percent Solids	percent	0.100	0.100	**36.1**
	Back Harbor	Total Organic Carbon	mg/kg	340	1,400	**21,000**
	Basin E	Clay	percent	NA	0.01	**10.11**
	Saltwater Sediment	Silt	percent	NA	0.01	**61.26**
		Sand	percent	NA	0.01	**28.62**
		Gravel	percent	NA	0.01	ND
8/19/2015	MdRH-B-3	Percent Solids	percent	0.100	0.100	**40.7**
	Back Harbor	Total Organic Carbon	mg/kg	300	1,200	**22,000**
	Basin F	Clay	percent	NA	0.01	**7.26**
	Saltwater Sediment	Silt	percent	NA	0.01	**58.83**
		Sand	percent	NA	0.01	**33.91**
		Gravel	percent	NA	0.01	ND
8/19/2015	MdRH-B-4	Percent Solids	percent	0.100	0.100	**45.4**
	Back Harbor	Total Organic Carbon	mg/kg	270	1,100	**17,000**
	Basin - End of Channel	Clay	percent	NA	0.01	**6.68**
	Saltwater Sediment	Silt	percent	NA	0.01	**62.99**
		Sand	percent	NA	0.01	**30.33**
		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
2015 - 2016

MONTHLY SUMMARY REPORT: September 2015
DRY WEATHER

Sample Date	Station Information	Measurement	Units	MDL	Reporting Limit	Concentration
9/10/2015	MdRH-B-1	Percent Solids	percent	0.100	0.100	**52.0**
	Back Harbor	Total Organic Carbon	mg/kg	230	960	**14,000**
	Basin D	Clay	percent	NA	0.01	**12.42**
	Saltwater Sediment	Silt	percent	NA	0.01	**79.52**
		Sand	percent	NA	0.01	**8.06**
		Gravel	percent	NA	0.01	ND
9/10/2015	MdRH-B-2	Percent Solids	percent	0.100	0.100	**36.4**
	Back Harbor	Total Organic Carbon	mg/kg	330	1,400	**24,000**
	Basin E	Clay	percent	NA	0.01	**18.42**
	Saltwater Sediment	Silt	percent	NA	0.01	**81.58**
		Sand	percent	NA	0.01	ND
		Gravel	percent	NA	0.01	ND
9/10/2015	MdRH-B-3	Percent Solids	percent	0.100	0.100	**38.3**
	Back Harbor	Total Organic Carbon	mg/kg	320	1,300	**21,000**
	Basin F	Clay	percent	NA	0.01	**12.00**
	Saltwater Sediment	Silt	percent	NA	0.01	**62.97**
		Sand	percent	NA	0.01	**25.03**
		Gravel	percent	NA	0.01	ND
9/10/2015	MdRH-B-4	Percent Solids	percent	0.100	0.100	**48.4**
	Back Harbor	Total Organic Carbon	mg/kg	250	1,000	**16,000**
	Basin - End of Channel	Clay	percent	NA	0.01	**9.25**
	Saltwater Sediment	Silt	percent	NA	0.01	**60.67**
		Sand	percent	NA	0.01	**30.09**
		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
2015 - 2016

MONTHLY SUMMARY REPORT: October 2015
DRY WEATHER

Sample Date	Station Information	Measurement	Units	MDL	Reporting Limit	Concentration
10/7/2015	MdRH-B-1	Percent Solids	percent	0.100	0.100	**51.1**
	Back Harbor	Total Organic Carbon	mg/kg	340	980	**14,000**
	Basin D	Clay	percent	NA	0.01	**11.57**
	Saltwater Sediment	Silt	percent	NA	0.01	**68.74**
		Sand	percent	NA	0.01	**19.68**
		Gravel	percent	NA	0.01	ND
10/7/2015	MdRH-B-2	Percent Solids	percent	0.100	0.100	**33.9**
	Back Harbor	Total Organic Carbon	mg/kg	510	1,500	**20,000**
	Basin E	Clay	percent	NA	0.01	**13.49**
	Saltwater Sediment	Silt	percent	NA	0.01	**70.66**
		Sand	percent	NA	0.01	**15.86**
		Gravel	percent	NA	0.01	ND
10/7/2015	MdRH-B-3	Percent Solids	percent	0.100	0.100	**41.3**
	Back Harbor	Total Organic Carbon	mg/kg	420	1,200	**19,000**
	Basin F	Clay	percent	NA	0.01	**15.46**
	Saltwater Sediment	Silt	percent	NA	0.01	**84.49**
		Sand	percent	NA	0.01	**0.050**
		Gravel	percent	NA	0.01	ND
10/7/2015	MdRH-B-4	Percent Solids	percent	0.100	0.100	**47.3**
	Back Harbor	Total Organic Carbon	mg/kg	370	1,100	**15,000**
	Basin - End of Channel	Clay	percent	NA	0.01	**9.77**
	Saltwater Sediment	Silt	percent	NA	0.01	**67.48**
		Sand	percent	NA	0.01	**22.75**
		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
2015 - 2016

MONTHLY SUMMARY REPORT: November 2015
DRY WEATHER

Sample Date	Station Information	Measurement	Units	MDL	Reporting Limit	Concentration
11/11/2015	MdRH-B-1	Percent Solids	percent	0.100	0.100	**47.2**
	Back Harbor	Total Organic Carbon	mg/kg	370	1,100	**16,000**
	Basin D	Clay	percent	NA	0.01	**9.73**
	Saltwater Sediment	Silt	percent	NA	0.01	**65.09**
		Sand	percent	NA	0.01	**25.18**
		Gravel	percent	NA	0.01	ND
11/11/2015	MdRH-B-2	Percent Solids	percent	0.100	0.100	**34.1**
	Back Harbor	Total Organic Carbon	mg/kg	510	1,500	**23,000**
	Basin E	Clay	percent	NA	0.01	**17.39**
	Saltwater Sediment	Silt	percent	NA	0.01	**82.61**
		Sand	percent	NA	0.01	ND
		Gravel	percent	NA	0.01	ND
11/11/2015	MdRH-B-3	Percent Solids	percent	0.100	0.100	**36.4**
	Back Harbor	Total Organic Carbon	mg/kg	480	1,400	**22,000**
	Basin F	Clay	percent	NA	0.01	**14.50**
	Saltwater Sediment	Silt	percent	NA	0.01	**84.29**
		Sand	percent	NA	0.01	**1.21**
		Gravel	percent	NA	0.01	ND
11/11/2015	MdRH-B-4	Percent Solids	percent	0.100	0.100	**42.0**
	Back Harbor	Total Organic Carbon	mg/kg	410	1,200	**19,000**
	Basin - End of Channel	Clay	percent	NA	0.01	**13.28**
	Saltwater Sediment	Silt	percent	NA	0.01	**86.29**
		Sand	percent	NA	0.01	**0.42**
		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
2015 - 2016

MONTHLY SUMMARY REPORT: December 2015
DRY WEATHER

Sample Date	Station Information	Measurement	Units	MDL	Reporting Limit	Concentration
12/9/2015	MdRH-B-1	Percent Solids	percent	0.100	0.100	**44.5**
	Back Harbor	Total Organic Carbon	mg/kg	390	1,100	**12,000**
	Basin D	Clay	percent	NA	0.01	**12.30**
	Saltwater Sediment	Silt	percent	NA	0.01	**87.15**
		Sand	percent	NA	0.01	**0.55**
		Gravel	percent	NA	0.01	ND
12/9/2015	MdRH-B-2	Percent Solids	percent	0.100	0.100	**36.1**
	Back Harbor	Total Organic Carbon	mg/kg	480	1,400	**19,000**
	Basin E	Clay	percent	NA	0.01	**16.60**
	Saltwater Sediment	Silt	percent	NA	0.01	**83.40**
		Sand	percent	NA	0.01	ND
		Gravel	percent	NA	0.01	ND
12/9/2015	MdRH-B-3	Percent Solids	percent	0.100	0.100	**38.0**
	Back Harbor	Total Organic Carbon	mg/kg	460	1,300	**14,000**
	Basin F	Clay	percent	NA	0.01	**12.73**
	Saltwater Sediment	Silt	percent	NA	0.01	**86.93**
		Sand	percent	NA	0.01	**0.35**
		Gravel	percent	NA	0.01	ND
12/9/2015	MdRH-B-4	Percent Solids	percent	0.100	0.100	**46.4**
	Back Harbor	Total Organic Carbon	mg/kg	370	1,100	**13,000**
	Basin - End of Channel	Clay	percent	NA	0.01	**11.30**
	Saltwater Sediment	Silt	percent	NA	0.01	**88.24**
		Sand	percent	NA	0.01	**0.46**
		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
2015 - 2016

MONTHLY SUMMARY REPORT: January 2016
DRY WEATHER

Sample Date	Station Information	Measurement	Units	MDL	Reporting Limit	Concentration
1/13/2016	MdRH-B-1	Percent Solids	percent	0.100	0.100	**44.4**
	Back Harbor	Total Organic Carbon	mg/kg	390	1,100	**14,000**
	Basin D	Clay	percent	NA	0.01	**14.28**
	Saltwater Sediment	Silt	percent	NA	0.01	**85.72**
		Sand	percent	NA	0.01	ND
		Gravel	percent	NA	0.01	ND
1/13/2016	MdRH-B-2	Percent Solids	percent	0.100	0.100	**35.1**
	Back Harbor	Total Organic Carbon	mg/kg	490	1,400	**19,000**
	Basin E	Clay	percent	NA	0.01	**16.44**
	Saltwater Sediment	Silt	percent	NA	0.01	**83.56**
		Sand	percent	NA	0.01	ND
		Gravel	percent	NA	0.01	ND
1/13/2016	MdRH-B-3	Percent Solids	percent	0.100	0.100	**39.3**
	Back Harbor	Total Organic Carbon	mg/kg	440	1,300	**13,000**
	Basin F	Clay	percent	NA	0.01	**15.52**
	Saltwater Sediment	Silt	percent	NA	0.01	**84.48**
		Sand	percent	NA	0.01	ND
		Gravel	percent	NA	0.01	ND
1/13/2016	MdRH-B-4	Percent Solids	percent	0.100	0.100	**46.1**
	Back Harbor	Total Organic Carbon	mg/kg	380	1,100	**13,000**
	Basin - End of Channel	Clay	percent	NA	0.01	**16.53**
	Saltwater Sediment	Silt	percent	NA	0.01	**83.47**
		Sand	percent	NA	0.01	ND
		Gravel	percent	NA	0.01	ND

Notes:
Detections are indicated in **bold**
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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
2015 - 2016

MONTHLY SUMMARY REPORT: February 2016
DRY WEATHER

Sample Date	Station Information	Measurement	Units	MDL	Reporting Limit	Concentration
2/26/2016	MdRH-B-1	Percent Solids	percent	0.100	0.100	**15.2**
	Back Harbor	Total Organic Carbon	mg/kg	1,100	3,300	**35,000**
	Basin D	Clay	percent	NA	0.01	**13.97**
	Saltwater Sediment	Silt	percent	NA	0.01	**86.03**
		Sand	percent	NA	0.01	ND
		Gravel	percent	NA	0.01	ND
2/26/2016	MdRH-B-2	Percent Solids	percent	0.100	0.100	**45.9**
	Back Harbor	Total Organic Carbon	mg/kg	380	1,100	**13,000**
	Basin E	Clay	percent	NA	0.01	**18.12**
	Saltwater Sediment	Silt	percent	NA	0.01	**81.88**
		Sand	percent	NA	0.01	ND
		Gravel	percent	NA	0.01	ND
2/26/2016	MdRH-B-3	Percent Solids	percent	0.100	0.100	**43.4**
	Back Harbor	Total Organic Carbon	mg/kg	400	1,200	**13,000**
	Basin F	Clay	percent	NA	0.01	**13.97**
	Saltwater Sediment	Silt	percent	NA	0.01	**84.85**
		Sand	percent	NA	0.01	**1.18**
		Gravel	percent	NA	0.01	ND
2/26/2016	MdRH-B-4	Percent Solids	percent	0.100	0.100	**46.1**
	Back Harbor	Total Organic Carbon	mg/kg	380	1,100	**9,300**
	Basin - End of Channel	Clay	percent	NA	0.01	**14.81**
	Saltwater Sediment	Silt	percent	NA	0.01	**85.19**
		Sand	percent	NA	0.01	ND
		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
2015 - 2016

MONTHLY SUMMARY REPORT: March 2016 DRY WEATHER						
Sample Date	**Station Information**	**Measurement**	**Units**	**MDL**	**Reporting Limit**	**Concentration**
3/11/2016	MdRH-B-1	Percent Solids	percent	0.100	0.100	**48.1**
	Back Harbor	Total Organic Carbon	mg/kg	360	1,000	**5,300**
	Basin D	Clay	percent	NA	0.01	**11.85**
	Saltwater Sediment	Silt	percent	NA	0.01	**87.58**
		Sand	percent	NA	0.01	**0.58**
		Gravel	percent	NA	0.01	ND
3/11/2016	MdRH-B-2	Percent Solids	percent	0.100	0.100	**34.4**
	Back Harbor	Total Organic Carbon	mg/kg	500	1,500	**5,300**
	Basin E	Clay	percent	NA	0.01	**16.23**
	Saltwater Sediment	Silt	percent	NA	0.01	**83.77**
		Sand	percent	NA	0.01	ND
		Gravel	percent	NA	0.01	ND
3/11/2016	MdRH-B-3	Percent Solids	percent	0.100	0.100	**41.8**
	Back Harbor	Total Organic Carbon	mg/kg	420	1,200	**6,300**
	Basin F	Clay	percent	NA	0.01	**13.17**
	Saltwater Sediment	Silt	percent	NA	0.01	**86.75**
		Sand	percent	NA	0.01	**0.080**
		Gravel	percent	NA	0.01	ND
3/11/2016	MdRH-B-4	Percent Solids	percent	0.100	0.100	**46.5**
	Back Harbor	Total Organic Carbon	mg/kg	370	1,100	**4,100**
	Basin - End of Channel	Clay	percent	NA	0.01	**12.12**
	Saltwater Sediment	Silt	percent	NA	0.01	**81.26**
		Sand	percent	NA	0.01	**6.62**
		Gravel	percent	NA	0.01	ND

Notes:
Detections are indicated in **bold**
MDL - Method Detection Limit
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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
2015 - 2016

MONTHLY SUMMARY REPORT: April 2016
DRY WEATHER

Sample Date	Station Information	Measurement	Units	MDL	Reporting Limit	Concentration
4/28/2016	MdRH-B-1	Percent Solids	percent	0.100	0.100	**53.4**
	Back Harbor	Total Organic Carbon	mg/kg	330	940	**9,400**
	Basin D	Clay	percent	NA	0.01	**12.50**
	Saltwater Sediment	Silt	percent	NA	0.01	**83.25**
		Sand	percent	NA	0.01	**4.25**
		Gravel	percent	NA	0.01	ND
4/28/2016	MdRH-B-2	Percent Solids	percent	0.100	0.100	**36.9**
	Back Harbor	Total Organic Carbon	mg/kg	470	1,400	**16,000**
	Basin E	Clay	percent	NA	0.01	**19.88**
	Saltwater Sediment	Silt	percent	NA	0.01	**80.12**
		Sand	percent	NA	0.01	ND
		Gravel	percent	NA	0.01	ND
4/28/2016	MdRH-B-3	Percent Solids	percent	0.100	0.100	**41.8**
	Back Harbor	Total Organic Carbon	mg/kg	420	1,200	**14,000**
	Basin F	Clay	percent	NA	0.01	**18.63**
	Saltwater Sediment	Silt	percent	NA	0.01	**81.37**
		Sand	percent	NA	0.01	ND
		Gravel	percent	NA	0.01	ND
4/28/2016	MdRH-B-4	Percent Solids	percent	0.100	0.100	**50.6**
	Back Harbor	Total Organic Carbon	mg/kg	340	990	**10,000**
	Basin - End of Channel	Clay	percent	NA	0.01	**12.88**
	Saltwater Sediment	Silt	percent	NA	0.01	**86.23**
		Sand	percent	NA	0.01	**0.88**
		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
2015 - 2016

MONTHLY SUMMARY REPORT: May 2016
DRY WEATHER

Sample Date	Station Information	Measurement	Units	MDL	Reporting Limit	Concentration
5/23/2016	MdRH-B-1	Percent Solids	percent	0.100	0.100	**48.5**
	Back Harbor	Total Organic Carbon	mg/kg	360	1,000	**6,100**
	Basin D	Clay	percent	NA	0.01	**16.91**
	Saltwater Sediment	Silt	percent	NA	0.01	**83.09**
		Sand	percent	NA	0.01	ND
		Gravel	percent	NA	0.01	ND
5/23/2016	MdRH-B-2	Percent Solids	percent	0.100	0.100	**34.5**
	Back Harbor	Total Organic Carbon	mg/kg	500	1,400	**13,000**
	Basin E	Clay	percent	NA	0.01	**20.72**
	Saltwater Sediment	Silt	percent	NA	0.01	**79.28**
		Sand	percent	NA	0.01	ND
		Gravel	percent	NA	0.01	ND
5/23/2016	MdRH-B-3	Percent Solids	percent	0.100	0.100	**37.2**
	Back Harbor	Total Organic Carbon	mg/kg	470	1,300	**10,000**
	Basin F	Clay	percent	NA	0.01	**19.63**
	Saltwater Sediment	Silt	percent	NA	0.01	**80.37**
		Sand	percent	NA	0.01	ND
		Gravel	percent	NA	0.01	ND
5/23/2016	MdRH-B-4	Percent Solids	percent	0.100	0.100	**41.6**
	Back Harbor	Total Organic Carbon	mg/kg	420	1,200	**8,500**
	Basin - End of Channel	Clay	percent	NA	0.01	**15.45**
	Saltwater Sediment	Silt	percent	NA	0.01	**84.55**
		Sand	percent	NA	0.01	ND
		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
2015 - 2016

MONTHLY SUMMARY REPORT: June 2016
DRY WEATHER

Sample Date	Station Information	Measurement	Units	MDL	Reporting Limit	Concentration
6/23/2016	MdRH-B-1	Percent Solids	percent	0.100	0.100	**49.2**
	Back Harbor	Total Organic Carbon	mg/kg	350	1,000	**6,400**
	Basin D	Clay	percent	NA	0.01	**13.00**
	Saltwater Sediment	Silt	percent	NA	0.01	**85.19**
		Sand	percent	NA	0.01	**1.81**
		Gravel	percent	NA	0.01	ND
6/23/2016	MdRH-B-2	Percent Solids	percent	0.100	0.100	**34.9**
	Back Harbor	Total Organic Carbon	mg/kg	500	1,400	**13,000**
	Basin E	Clay	percent	NA	0.01	**18.96**
	Saltwater Sediment	Silt	percent	NA	0.01	**81.04**
		Sand	percent	NA	0.01	ND
		Gravel	percent	NA	0.01	ND
6/23/2016	MdRH-B-3	Percent Solids	percent	0.100	0.100	**39.5**
	Back Harbor	Total Organic Carbon	mg/kg	440	1,300	**11,000**
	Basin F	Clay	percent	NA	0.01	**13.54**
	Saltwater Sediment	Silt	percent	NA	0.01	**85.46**
		Sand	percent	NA	0.01	**1.00**
		Gravel	percent	NA	0.01	ND
6/23/2016	MdRH-B-4	Percent Solids	percent	0.100	0.100	**44.7**
	Back Harbor	Total Organic Carbon	mg/kg	390	1,100	**9,800**
	Basin - End of Channel	Clay	percent	NA	0.01	**13.00**
	Saltwater Sediment	Silt	percent	NA	0.01	**85.36**
		Sand	percent	NA	0.01	**1.64**
		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

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Sediment Toxicity Report
2015 - 2016
Leptocheirus plumulosus Survival (28-Day)

QUARTERLY SUMMARY REPORT: September 2015
DRY WEATHER

Sample Date	Station Information	Replicate	Number Alive	Percent Survival	Mean Percent Survival
9/10/2015	MdRH-B-1	A	7	35	48.0
	Back Harbor	B	17	85	
	Basin D	C	4	20	
	Saltwater	D	1	5	
		E	19	95	
9/10/2015	MdRH-B-2	A	14	70	84.0
	Back Harbor	B	17	85	
	Basin E	C	16	80	
	Saltwater	D	19	95	
		E	18	90	
9/10/2015	MdRH-B-3	A	15	75	57.0
	Back Harbor	B	20	100	
	Basin F	C	6	30	
	Saltwater	D	9	45	
		E	7	35	
9/10/2015	MdRH-B-4	A	13	65	81.0
	Back Harbor	B	18	90	
	Basin - End of Channel	C	16	80	
	Saltwater	D	20	100	
		E	14	70	
9/10/2015	Laboratory Control	A	*	*	98.8
		B	20	100	
		C	19	95	
		D	20	100	
		E	20	100	

* outlier value excluded from calculations

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Sediment Toxicity Report
2015 - 2016
Leptocheirus plumulosus Survival (28-Day)

QUARTERLY SUMMARY REPORT: April 2016
DRY WEATHER

Sample Date	Station Information	Replicate	Number Alive	Percent Survival	Mean Percent Survival
4/28/2016	MdRH-B-1 Back Harbor Basin D Saltwater	A	20	100	93.0
		B	19	95	
		C	18	90	
		D	18	90	
		E	18	90	
4/28/2016	MdRH-B-2 Back Harbor Basin E Saltwater	A	19	95	93.0
		B	19	95	
		C	19	95	
		D	16	80	
		E	20	100	
4/28/2016	MdRH-B-3 Back Harbor Basin F Saltwater	A	20	100	96.0
		B	20	100	
		C	19	95	
		D	18	90	
		E	19	95	
4/28/2016	MdRH-B-4 Back Harbor Basin - End of Channel Saltwater	A	17	85	95.0
		B	20	100	
		C	18	90	
		D	20	100	
		E	20	100	
4/28/2016	Laboratory Control	A	18	90	94.0
		B	17	85	
		C	20	100	
		D	20	100	
		E	19	95	

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Sediment Toxicity Report
2015 - 2016
Leptocheirus plumulosus Growth (28-Day)

QUARTERLY SUMMARY REPORT: September 2015 DRY WEATHER					
Sample Date	**Station Information**	**Replicate**	**Total Weight (mg)**	**Weight per Organism (mg)**	**Mean Weight per Organism (mg)**
9/10/2015	MdRH-B-1	A	3.35	0.48	0.58
	Back Harbor	B	14.84	0.87	
	Basin D	C	1.19	0.30	
	Saltwater	D	0.19	0.19	
		E	19.84	1.04	
9/10/2015	MdRH-B-2	A	24.90	1.78	1.60
	Back Harbor	B	12.35	0.73	
	Basin E	C	21.57	1.35	
	Saltwater	D	34.91	1.84	
		E	40.97	2.28	
9/10/2015	MdRH-B-3	A	21.27	1.42	1.05
	Back Harbor	B	23.16	1.16	
	Basin F	C	2.38	0.40	
	Saltwater	D	16.73	1.86	
		E	2.79	0.40	
9/10/2015	MdRH-B-4	A	12.48	0.96	1.42
	Back Harbor	B	21.94	1.22	
	Basin - End of Channel	C	28.49	1.78	
	Saltwater	D	41.84	2.09	
		E	14.35	1.03	
9/10/2015	Laboratory Control	A	*	*	2.38
		B	39.41	1.97	
		C	43.35	2.28	
		D	30.92	1.55	
		E	74.19	3.71	

* outlier value excluded from calculations

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Sediment Toxicity Report
2015 - 2016
Leptocheirus plumulosus Growth (28-Day)

QUARTERLY SUMMARY REPORT: April 2016 DRY WEATHER					
Sample Date	**Station Information**	**Replicate**	**Total Weight (mg)**	**Weight per Organism (mg)**	**Mean Weight per Organism (mg)**
4/28/2016	MdRH-B-1	A	23.40	1.17	1.38
	Back Harbor	B	30.29	1.59	
	Basin D	C	33.84	1.88	
	Saltwater	D	17.15	0.95	
		E	23.44	1.30	
4/28/2016	MdRH-B-2	A	29.50	1.55	1.37
	Back Harbor	B	32.04	1.69	
	Basin E	C	25.91	1.36	
	Saltwater	D	18.26	1.14	
		E	22.00	1.10	
4/28/2016	MdRH-B-3	A	16.49	0.82	1.28
	Back Harbor	B	20.40	1.02	
	Basin F	C	27.54	1.45	
	Saltwater	D	30.29	1.68	
		E	26.70	1.41	
4/28/2016	MdRH-B-4	A	27.43	1.61	1.40
	Back Harbor	B	18.51	0.93	
	Basin - End of Channel	C	24.45	1.36	
	Saltwater	D	27.47	1.37	
		E	34.24	1.71	
4/28/2016	Laboratory Control	A	37.49	2.08	1.95
		B	24.59	1.45	
		C	39.81	1.99	
		D	41.45	2.07	
		E	40.86	2.15	

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Sediment Toxicity Report
2015 - 2016
Leptocheirus plumulosus Reproduction (28-Day)

QUARTERLY SUMMARY REPORT: September 2015
DRY WEATHER

Sample Date	Station Information	Replicate	Number of Neonates Produced	Number of Neonates Per Adult	Mean Number of Neonates Per Adult
9/10/2015	MdRH-B-1	A	1	0.14	1.03
	Back Harbor	B	12	0.71	
	Basin D	C	0	0.00	
	Saltwater	D	1	1.00	
		E	63	3.32	
9/10/2015	MdRH-B-2	A	28	2.00	2.04
	Back Harbor	B	12	0.71	
	Basin E	C	44	2.75	
	Saltwater	D	66	3.47	
		E	23	1.28	
9/10/2015	MdRH-B-3	A	38	2.53	1.39
	Back Harbor	B	86	4.30	
	Basin F	C	0	0.00	
	Saltwater	D	1	0.11	
		E	0	0.00	
9/10/2015	MdRH-B-4	A	12	0.92	1.79
	Back Harbor	B	74	4.11	
	Basin - End of Channel	C	20	1.25	
	Saltwater	D	35	1.75	
		E	13	0.93	
9/10/2015	Laboratory Control	A	*	*	2.29
		B	24	1.20	
		C	44	2.32	
		D	49	2.45	
		E	64	3.20	

* outlier value excluded from calculations

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Sediment Toxicity Report
2015 - 2016
Leptocheirus plumulosus Reproduction (28-Day)

QUARTERLY SUMMARY REPORT: April 2016
DRY WEATHER

Sample Date	Station Information	Replicate	Number of Neonates Produced	Number of Neonates Per Adult	Mean Number of Neonates Per Adult
4/28/2016	MdRH-B-1	A	70	3.50	2.70
	Back Harbor	B	54	2.84	
	Basin D	C	88	4.89	
	Saltwater	D	33	1.83	
		E	8	0.44	
4/28/2016	MdRH-B-2	A	71	3.74	3.87
	Back Harbor	B	117	6.16	
	Basin E	C	118	6.21	
	Saltwater	D	28	1.75	
		E	30	1.50	
4/28/2016	MdRH-B-3	A	23	1.15	4.04
	Back Harbor	B	32	1.60	
	Basin F	C	31	1.63	
	Saltwater	D	189	10.50	
		E	101	5.32	
4/28/2016	MdRH-B-4	A	74	4.35	3.29
	Back Harbor	B	75	3.75	
	Basin - End of Channel	C	58	3.22	
	Saltwater	D	32	1.60	
		E	71	3.55	
4/28/2016	Laboratory Control	A	127	7.06	7.14
		B	109	6.41	
		C	118	5.90	
		D	151	7.55	
		E	167	8.79	

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Sediment Toxicity Report
2015 - 2016
Eohaustorius estuarius Survival (10-Day)

QUARTERLY SUMMARY REPORT: September 2015
DRY WEATHER

Sample Date	Station Information	Replicate	Number Alive	Percent Survival	Mean Percent Survival
9/10/2015	MdRH-B-1	A	16	80	94.0
	Back Harbor	B	20	100	
	Basin D	C	19	95	
	Saltwater	D	19	95	
		E	20	100	
9/10/2015	MdRH-B-2	A	15	75	80.0
	Back Harbor	B	17	85	
	Basin E	C	17	85	
	Saltwater	D	14	70	
		E	17	85	
9/10/2015	MdRH-B-3	A	20	100	93.0
	Back Harbor	B	17	85	
	Basin F	C	20	100	
	Saltwater	D	19	95	
		E	17	85	
9/10/2015	MdRH-B-4	A	20	100	100
	Back Harbor	B	20	100	
	Basin - End of Channel	C	20	100	
	Saltwater	D	20	100	
		E	20	100	
9/10/2015	Laboratory Control	A	20	100	100
		B	20	100	
		C	20	100	
		D	20	100	
		E	20	100	

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Sediment Toxicity Report
2015 - 2016
Eohaustorius estuarius Survival (10-Day)

QUARTERLY SUMMARY REPORT: April 2016
DRY WEATHER

Sample Date	Station Information	Replicate	Number Alive	Percent Survival	Mean Percent Survival
4/28/2016	MdRH-B-1	A	20	100	99.0
	Back Harbor	B	20	100	
	Basin D	C	19	95	
	Saltwater	D	20	100	
		E	20	100	
4/28/2016	MdRH-B-2	A	17	85	90.0
	Back Harbor	B	20	100	
	Basin E	C	15	75	
	Saltwater	D	19	95	
		E	19	95	
4/28/2016	MdRH-B-3	A	17	85	90.0
	Back Harbor	B	19	95	
	Basin F	C	20	100	
	Saltwater	D	16	80	
		E	18	90	
4/28/2016	MdRH-B-4	A	20	100	97.0
	Back Harbor	B	20	100	
	Basin - End of Channel	C	19	95	
	Saltwater	D	19	95	
		E	19	95	
4/28/2016	Laboratory Control	A	20	100	99.0
		B	19	95	
		C	20	100	
		D	20	100	
		E	20	100	

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Sediment Toxicity Report
2015 - 2016
Mytilus galloprovincialis Development (48-Hour Embryo)

QUARTERLY SUMMARY REPORT: September 2015
DRY WEATHER

Sample Date	Station Information	Replicate	Total Number Counted	Number Normally Developed	Percent Normally Developed	Mean Percent Normally Developed
9/10/2015	MdRH-B-1	A	394	387	98.2	98.4
	Back Harbor	B	312	308	98.7	
	Basin D	C	367	362	98.6	
	Saltwater	D	264	263	99.6	
		E	385	372	96.6	
9/10/2015	MdRH-B-2	A	310	305	98.4	99.1
	Back Harbor	B	214	213	99.5	
	Basin E	C	293	290	99.0	
	Saltwater	D	302	302	100	
		E	313	309	98.7	
9/10/2015	MdRH-B-3	A	312	311	99.7	99.4
	Back Harbor	B	230	228	99.1	
	Basin F	C	322	319	99.1	
	Saltwater	D	343	343	100	
		E	313	311	99.4	
9/10/2015	MdRH-B-4	A	327	325	99.4	98.9
	Back Harbor	B	340	331	97.4	
	Basin - End of Channel	C	307	304	99.0	
	Saltwater	D	306	304	99.3	
		E	414	411	99.3	
9/10/2015	Laboratory Control	A	353	347	98.3	98.5
		B	345	340	98.6	
		C	382	377	98.7	
		D	332	327	98.5	
		E	*	*	*	

* outlier value excluded from calculations

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Sediment Toxicity Report
2015 - 2016
Mytilus galloprovincialis Development (48-Hour Embryo)

QUARTERLY SUMMARY REPORT: April 2016
DRY WEATHER

Sample Date	Station Information	Replicate	Total Number Counted	Number Normally Developed	Percent Normally Developed	Mean Percent Normally Developed
4/28/2016	MdRH-B-1	A	320	313	97.8	96.7
	Back Harbor	B	328	317	96.6	
	Basin D	C	239	227	95.0	
	Saltwater	D	297	287	96.6	
		E	319	311	97.5	
4/28/2016	MdRH-B-2	A	331	322	97.3	96.8
	Back Harbor	B	327	315	96.3	
	Basin E	C	326	316	96.9	
	Saltwater	D	333	321	96.4	
		E	322	312	96.9	
4/28/2016	MdRH-B-3	A	381	365	95.8	96.2
	Back Harbor	B	318	307	96.5	
	Basin F	C	328	319	97.3	
	Saltwater	D	308	297	96.4	
		E	292	278	95.2	
4/28/2016	MdRH-B-4	A	305	292	95.7	95.7
	Back Harbor	B	307	293	95.4	
	Basin - End of Channel	C	338	326	96.4	
	Saltwater	D	290	278	95.9	
		E	347	330	95.1	
4/28/2016	Laboratory Control	A	349	336	96.3	96.2
		B	384	370	96.4	
		C	360	346	96.1	
		D	350	337	96.3	
		E	338	325	96.2	

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Sediment Toxicity Report
2015 - 2016
Strongylocentrotus purpuratus Fertilization (20-Minute Gamete)

QUARTERLY SUMMARY REPORT: September 2015
DRY WEATHER

Sample Date	Station Information	Percent Sample	Replicate	Number Counted	Percent Fertilized	Mean Percent Fertilization
9/10/2015	MdRH-B-1 Back Harbor Basin D Saltwater	12.5	A	100	81	80.2
			B	100	90	
			C	100	74	
			D	100	75	
			E	100	81	
9/10/2015	MdRH-B-1 Back Harbor Basin D Saltwater	25	A	100	72	72.2
			B	100	70	
			C	100	70	
			D	100	79	
			E	100	70	
9/10/2015	MdRH-B-1 Back Harbor Basin D Saltwater	50	A	100	83	81.0
			B	100	86	
			C	100	77	
			D	100	81	
			E	100	78	
9/10/2015	MdRH-B-1 Back Harbor Basin D Saltwater	75	A	100	81	79.8
			B	100	82	
			C	100	81	
			D	100	81	
			E	100	74	
9/10/2015	MdRH-B-1 Back Harbor Basin D Saltwater	100	A	100	85	86.2
			B	100	86	
			C	100	90	
			D	100	84	
			E	100	86	
9/10/2015	MdRH-B-1 Back Harbor Basin D Saltwater	Laboratory Control	A	100	94	85.8
			B	100	92	
			C	100	71	
			D	100	93	
			E	100	79	
9/10/2015	MdRH-B-2 Back Harbor Basin E Saltwater	12.5	A	100	86	80.6
			B	100	74	
			C	100	85	
			D	100	73	
			E	100	85	
9/10/2015	MdRH-B-2 Back Harbor Basin E Saltwater	25	A	100	90	79.0
			B	100	74	
			C	100	70	
			D	100	79	
			E	100	82	
9/10/2015	MdRH-B-2 Back Harbor Basin E Saltwater	50	A	100	70	78.6
			B	100	80	
			C	100	89	
			D	100	79	
			E	100	75	
9/10/2015	MdRH-B-2 Back Harbor Basin E Saltwater	75	A	100	86	77.4
			B	100	75	
			C	100	78	
			D	100	83	
			E	100	65	
9/10/2015	MdRH-B-2 Back Harbor Basin E Saltwater	100	A	100	82	80.6
			B	100	72	
			C	100	77	
			D	100	83	
			E	100	89	
9/10/2015	MdRH-B-2 Back Harbor Basin E Saltwater	Laboratory Control	A	100	85	79.6
			B	100	90	
			C	100	77	
			D	100	70	
			E	100	76	

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Sediment Toxicity Report
2015 - 2016
Strongylocentrotus purpuratus Fertilization (20-Minute Gamete)

QUARTERLY SUMMARY REPORT: September 2015
DRY WEATHER

Sample Date	Station Information	Percent Sample	Replicate	Number Counted	Percent Fertilized	Mean Percent Fertilization
9/10/2015	MdRH-B-3 Back Harbor Basin F Saltwater	12.5	A	100	93	87.8
			B	100	86	
			C	100	91	
			D	100	84	
			E	100	85	
9/10/2015	MdRH-B-3 Back Harbor Basin F Saltwater	25	A	100	92	90.0
			B	100	91	
			C	100	85	
			D	100	94	
			E	100	88	
9/10/2015	MdRH-B-3 Back Harbor Basin F Saltwater	50	A	100	89	89.2
			B	100	87	
			C	100	90	
			D	100	92	
			E	100	88	
9/10/2015	MdRH-B-3 Back Harbor Basin F Saltwater	75	A	100	88	90.6
			B	100	95	
			C	100	90	
			D	100	86	
			E	100	94	
9/10/2015	MdRH-B-3 Back Harbor Basin F Saltwater	100	A	100	91	90.0
			B	100	91	
			C	100	92	
			D	100	87	
			E	100	89	
9/10/2015	MdRH-B-3 Back Harbor Basin F Saltwater	Laboratory Control	A	100	79	85.4
			B	100	88	
			C	100	88	
			D	100	88	
			E	100	84	
9/10/2015	MdRH-B-4 Back Harbor Basin - End of Channel Saltwater	12.5	A	100	80	78.4
			B	100	76	
			C	100	76	
			D	100	81	
			E	100	79	
9/10/2015	MdRH-B-4 Back Harbor Basin - End of Channel Saltwater	25	A	100	80	78.8
			B	100	77	
			C	100	68	
			D	100	84	
			E	100	85	
9/10/2015	MdRH-B-4 Back Harbor Basin - End of Channel Saltwater	50	A	100	81	80.2
			B	100	76	
			C	100	79	
			D	100	80	
			E	100	85	
9/10/2015	MdRH-B-4 Back Harbor Basin - End of Channel Saltwater	75	A	100	76	86.0
			B	100	90	
			C	100	90	
			D	100	89	
			E	100	85	
9/10/2015	MdRH-B-4 Back Harbor Basin - End of Channel Saltwater	100	A	100	92	87.8
			B	100	86	
			C	100	89	
			D	100	84	
			E	100	88	
9/10/2015	MdRH-B-4 Back Harbor Basin - End of Channel Saltwater	Laboratory Control	A	100	90	87.4
			B	100	88	
			C	100	91	
			D	100	80	
			E	100	88	

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Sediment Toxicity Report
2015 - 2016
Strongylocentrotus purpuratus Fertilization (20-Minute Gamete)

QUARTERLY SUMMARY REPORT: April 2016
DRY WEATHER

Sample Date	Station Information	Percent Sample	Replicate	Number Counted	Percent Fertilized	Mean Percent Fertilization
4/28/2016	MdRH-B-1 Back Harbor Basin D Saltwater	12.5	A	100	96	97.0
			B	100	98	
			C	100	97	
			D	100	95	
			E	100	99	
4/28/2016	MdRH-B-1 Back Harbor Basin D Saltwater	25	A	100	92	92.4
			B	100	90	
			C	100	95	
			D	100	93	
			E	100	92	
4/28/2016	MdRH-B-1 Back Harbor Basin D Saltwater	50	A	100	93	91.8
			B	100	90	
			C	100	89	
			D	100	91	
			E	100	96	
4/28/2016	MdRH-B-1 Back Harbor Basin D Saltwater	75	A	100	89	85.6
			B	100	89	
			C	100	85	
			D	100	85	
			E	100	80	
4/28/2016	MdRH-B-1 Back Harbor Basin D Saltwater	100	A	100	84	86.6
			B	100	88	
			C	100	87	
			D	100	89	
			E	100	85	
4/28/2016	MdRH-B-1 Back Harbor Basin D Saltwater	Laboratory Control	A	100	99	98.2
			B	100	97	
			C	100	99	
			D	100	99	
			E	100	97	
4/28/2016	MdRH-B-2 Back Harbor Basin E Saltwater	12.5	A	100	88	94.6
			B	100	96	
			C	100	96	
			D	100	97	
			E	100	96	
4/28/2016	MdRH-B-2 Back Harbor Basin E Saltwater	25	A	100	96	95.4
			B	100	93	
			C	100	99	
			D	100	95	
			E	100	94	
4/28/2016	MdRH-B-2 Back Harbor Basin E Saltwater	50	A	100	93	93.2
			B	100	92	
			C	100	90	
			D	100	95	
			E	100	96	
4/28/2016	MdRH-B-2 Back Harbor Basin E Saltwater	75	A	100	92	89.8
			B	100	94	
			C	100	81	
			D	100	90	
			E	100	92	
4/28/2016	MdRH-B-2 Back Harbor Basin E Saltwater	100	A	100	94	89.6
			B	100	92	
			C	100	87	
			D	100	86	
			E	100	89	
4/28/2016	MdRH-B-2 Back Harbor Basin E Saltwater	Laboratory Control	A	100	94	96.4
			B	100	99	
			C	100	93	
			D	100	97	
			E	100	99	

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Sediment Toxicity Report
2015 - 2016
Strongylocentrotus purpuratus Fertilization (20-Minute Gamete)

QUARTERLY SUMMARY REPORT: April 2016
DRY WEATHER

Sample Date	Station Information	Percent Sample	Replicate	Number Counted	Percent Fertilized	Mean Percent Fertilization
4/28/2016	MdRH-B-3 Back Harbor Basin F Saltwater	12.5	A	100	92	90.2
			B	100	87	
			C	100	86	
			D	100	94	
			E	100	92	
4/28/2016	MdRH-B-3 Back Harbor Basin F Saltwater	25	A	100	94	86.8
			B	100	72	
			C	100	89	
			D	100	94	
			E	100	85	
4/28/2016	MdRH-B-3 Back Harbor Basin F Saltwater	50	A	100	92	92.2
			B	100	87	
			C	100	97	
			D	100	90	
			E	100	95	
4/28/2016	MdRH-B-3 Back Harbor Basin F Saltwater	75	A	100	89	93.8
			B	100	89	
			C	100	97	
			D	100	96	
			E	100	98	
4/28/2016	MdRH-B-3 Back Harbor Basin F Saltwater	100	A	100	74	81.4
			B	100	74	
			C	100	93	
			D	100	91	
			E	100	75	
4/28/2016	MdRH-B-3 Back Harbor Basin F Saltwater	Laboratory Control	A	100	99	95.0
			B	100	91	
			C	100	98	
			D	100	96	
			E	100	91	
4/28/2016	MdRH-B-4 Back Harbor Basin - End of Channel Saltwater	12.5	A	100	96	93.2
			B	100	97	
			C	100	94	
			D	100	92	
			E	100	87	
4/28/2016	MdRH-B-4 Back Harbor Basin - End of Channel Saltwater	25	A	100	89	87.8
			B	100	93	
			C	100	90	
			D	100	87	
			E	100	80	
4/28/2016	MdRH-B-4 Back Harbor Basin - End of Channel Saltwater	50	A	100	87	80.6
			B	100	80	
			C	100	76	
			D	100	84	
			E	100	76	
4/28/2016	MdRH-B-4 Back Harbor Basin - End of Channel Saltwater	75	A	100	84	79.8
			B	100	77	
			C	100	86	
			D	100	71	
			E	100	81	
4/28/2016	MdRH-B-4 Back Harbor Basin - End of Channel Saltwater	100	A	100	81	81.6
			B	100	88	
			C	100	79	
			D	100	80	
			E	100	80	
4/28/2016	MdRH-B-4 Back Harbor Basin - End of Channel Saltwater	Laboratory Control	A	100	98	96.8
			B	100	95	
			C	100	99	
			D	100	95	
			E	100	97	

Fish and Mussel Tissue Quality Data

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Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Bioaccumulation Monitoring
2015 - 2016

ANNUAL SUMMARY REPORT: October 2015
DRY WEATHER

Sample Date	Station Information	Sample Information	Organics	Units	MDL	Reporting Limit	TMDL Limit [1]	Concentration
10/8/2015	MdRH-B-1	California halibut Rep #1	Lipids	percent	NA	0.10	NL	**0.40**
		Paralichthys californicus	Aroclor 1016	µg/Kg	4.2	10	5.3	ND
		Muscle fillet tissue	Aroclor 1221	µg/Kg	8.5	10	5.3	ND
		Standard length: 158 mm	Aroclor 1232	µg/Kg	5.0	10	5.3	ND
		Weight: 70 grams	Aroclor 1242	µg/Kg	5.1	10	5.3	ND
			Aroclor 1248	µg/Kg	6.4	10	5.3	ND
			Aroclor 1254	µg/Kg	6.3	10	5.3	**30**
			Aroclor 1260	µg/Kg	6.3	10	5.3	ND
			Aroclor 1262	µg/Kg	6.5	10	5.3	ND
			Total PCBs	µg/Kg	8.5	10	5.3	**30**
10/8/2015	MdRH-B-1	California halibut Rep #2	Lipids	percent	NA	0.10	NL	**0.35**
		Paralichthys californicus	Aroclor 1016	µg/Kg	4.2	10	5.3	ND
		Muscle fillet tissue	Aroclor 1221	µg/Kg	8.5	10	5.3	ND
		Standard length: 170 mm	Aroclor 1232	µg/Kg	5.1	10	5.3	ND
		Weight: 100 grams	Aroclor 1242	µg/Kg	5.1	10	5.3	ND
			Aroclor 1248	µg/Kg	6.4	10	5.3	ND
			Aroclor 1254	µg/Kg	6.4	10	5.3	**31**
			Aroclor 1260	µg/Kg	6.4	10	5.3	ND
			Aroclor 1262	µg/Kg	6.6	10	5.3	ND
			Total PCBs	µg/Kg	8.5	10	5.3	**31**
10/8/2015	MdRH-B-1	California halibut Rep #3	Lipids	percent	NA	0.10	NL	**0.36**
		Paralichthys californicus	Aroclor 1016	µg/Kg	4.2	10	5.3	ND
		Muscle fillet tissue	Aroclor 1221	µg/Kg	8.4	10	5.3	ND
		Standard length: 212 mm	Aroclor 1232	µg/Kg	5.0	10	5.3	ND
		Weight: 110 grams	Aroclor 1242	µg/Kg	5.1	10	5.3	ND
			Aroclor 1248	µg/Kg	6.3	10	5.3	ND
			Aroclor 1254	µg/Kg	6.3	10	5.3	**21**
			Aroclor 1260	µg/Kg	6.3	10	5.3	ND
			Aroclor 1262	µg/Kg	6.5	10	5.3	ND
			Total PCBs	µg/Kg	8.4	10	5.3	**21**
10/8/2015	MdRH-B-1	Bat ray Rep #1	Lipids	percent	NA	0.10	NL	**0.52**
		Myliobatis californica	Aroclor 1016	µg/Kg	4.2	10	5.3	ND
		Muscle fillet tissue	Aroclor 1221	µg/Kg	8.5	10	5.3	ND
		Disc width: 297 mm	Aroclor 1232	µg/Kg	5.1	10	5.3	ND
		Weight: 430 grams	Aroclor 1242	µg/Kg	5.1	10	5.3	ND
			Aroclor 1248	µg/Kg	6.4	10	5.3	ND
			Aroclor 1254	µg/Kg	6.4	10	5.3	ND
			Aroclor 1260	µg/Kg	6.4	10	5.3	ND
			Aroclor 1262	µg/Kg	6.6	10	5.3	ND
			Total PCBs	µg/Kg	8.5	10	5.3	ND
10/8/2015	MdRH-B-1	Bat ray Rep #2	Lipids	percent	NA	0.10	NL	**0.44**
		Myliobatis californica	Aroclor 1016	µg/Kg	4.2	10	5.3	ND
		Muscle fillet tissue	Aroclor 1221	µg/Kg	8.5	10	5.3	ND
		Disc width: 321 mm	Aroclor 1232	µg/Kg	5.0	10	5.3	ND
		Weight: 460 grams	Aroclor 1242	µg/Kg	5.1	10	5.3	ND
			Aroclor 1248	µg/Kg	6.4	10	5.3	ND
			Aroclor 1254	µg/Kg	6.3	10	5.3	ND
			Aroclor 1260	µg/Kg	6.3	10	5.3	ND
			Aroclor 1262	µg/Kg	6.5	10	5.3	ND
			Total PCBs	µg/Kg	8.5	10	5.3	ND

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Dry-Weather Bioaccumulation Monitoring
2015 - 2016

ANNUAL SUMMARY REPORT: October 2015
DRY WEATHER

Sample Date	Station Information	Sample Information	Organics	Units	MDL	Reporting Limit	TMDL Limit [1]	Concentration
10/8/2015	MdRH-B-1	Bat ray Rep #3	Lipids	percent	NA	0.10	NL	**0.50**
		Myliobatis californica	Aroclor 1016	µg/Kg	4.2	10	5.3	ND
		Muscle fillet tissue	Aroclor 1221	µg/Kg	8.4	10	5.3	ND
		Disc width: 266 mm	Aroclor 1232	µg/Kg	5.0	10	5.3	ND
		Weight: 230 grams	Aroclor 1242	µg/Kg	5.1	10	5.3	ND
			Aroclor 1248	µg/Kg	6.3	10	5.3	ND
			Aroclor 1254	µg/Kg	6.3	10	5.3	ND
			Aroclor 1260	µg/Kg	6.3	10	5.3	ND
			Aroclor 1262	µg/Kg	6.5	10	5.3	ND
			Total PCBs	µg/Kg	8.4	10	5.3	ND
10/8/2015	MdRH-B-1	Mussel Rep #1	Lipids	percent	NA	0.10	NL	**0.88**
		Mytilus galloprovincialis	Aroclor 1016	µg/Kg	4.2	10	5.3	ND
		Whole body (without shell)	Aroclor 1221	µg/Kg	8.5	10	5.3	ND
		Length: 55 to 65 mm	Aroclor 1232	µg/Kg	5.0	10	5.3	ND
			Aroclor 1242	µg/Kg	5.1	10	5.3	ND
			Aroclor 1248	µg/Kg	6.4	10	5.3	ND
			Aroclor 1254	µg/Kg	6.3	10	5.3	**34**
			Aroclor 1260	µg/Kg	6.3	10	5.3	ND
			Aroclor 1262	µg/Kg	6.5	10	5.3	ND
			Total PCBs	µg/Kg	8.5	10	5.3	**34**
10/8/2015	MdRH-B-1	Mussel Rep #2	Lipids	percent	NA	0.10	NL	**0.89**
		Mytilus galloprovincialis	Aroclor 1016	µg/Kg	4.1	9.8	5.3	ND
		Whole body (without shell)	Aroclor 1221	µg/Kg	8.3	9.8	5.3	ND
		Length: 55 to 65 mm	Aroclor 1232	µg/Kg	5.0	9.8	5.3	ND
			Aroclor 1242	µg/Kg	5.0	9.8	5.3	ND
			Aroclor 1248	µg/Kg	6.3	9.8	5.3	ND
			Aroclor 1254	µg/Kg	6.2	9.8	5.3	**22**
			Aroclor 1260	µg/Kg	6.2	9.8	5.3	ND
			Aroclor 1262	µg/Kg	6.4	9.8	5.3	ND
			Total PCBs	µg/Kg	8.3	9.8	5.3	**22**
10/8/2015	MdRH-B-1	Mussel Rep #3	Lipids	percent	NA	0.10	NL	**0.77**
		Mytilus galloprovincialis	Aroclor 1016	µg/Kg	4.1	9.9	5.3	ND
		Whole body (without shell)	Aroclor 1221	µg/Kg	8.4	9.9	5.3	ND
		Length: 55 to 65 mm	Aroclor 1232	µg/Kg	5.0	9.9	5.3	ND
			Aroclor 1242	µg/Kg	5.0	9.9	5.3	ND
			Aroclor 1248	µg/Kg	6.3	9.9	5.3	ND
			Aroclor 1254	µg/Kg	6.3	9.9	5.3	**33**
			Aroclor 1260	µg/Kg	6.3	9.9	5.3	ND
			Aroclor 1262	µg/Kg	6.5	9.9	5.3	ND
			Total PCBs	µg/Kg	8.4	9.9	5.3	**33**
10/8/2015	MdRH-B-1	Mussel Rep #4	Lipids	percent	NA	0.10	NL	**1.4**
		Mytilus galloprovincialis	Aroclor 1016	µg/Kg	4.1	9.9	5.3	ND
		Whole body (without shell)	Aroclor 1221	µg/Kg	8.3	9.9	5.3	ND
		Length: 55 to 65 mm	Aroclor 1232	µg/Kg	5.0	9.9	5.3	ND
			Aroclor 1242	µg/Kg	5.0	9.9	5.3	ND
			Aroclor 1248	µg/Kg	6.3	9.9	5.3	ND
			Aroclor 1254	µg/Kg	6.3	9.9	5.3	**51**
			Aroclor 1260	µg/Kg	6.3	9.9	5.3	ND
			Aroclor 1262	µg/Kg	6.5	9.9	5.3	ND
			Total PCBs	µg/Kg	8.3	9.9	5.3	**51**

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10/8/2015	MdRH-B-1	Mussel Rep #5	Lipids	percent	NA	0.10	NL	**0.72**
		Mytilus galloprovincialis	Aroclor 1016	µg/Kg	4.2	10	5.3	ND
		Whole body (without shell)	Aroclor 1221	µg/Kg	8.5	10	5.3	ND
		Length: 55 to 65 mm	Aroclor 1232	µg/Kg	5.0	10	5.3	ND
			Aroclor 1242	µg/Kg	5.1	10	5.3	ND
			Aroclor 1248	µg/Kg	6.4	10	5.3	ND
			Aroclor 1254	µg/Kg	6.3	10	5.3	**39**
			Aroclor 1260	µg/Kg	6.3	10	5.3	ND
			Aroclor 1262	µg/Kg	6.5	10	5.3	ND
			Total PCBs	µg/Kg	8.5	10	5.3	**39**
10/8/2015	MdRH-B-2	California halibut Rep #1	Lipids	percent	NA	0.10	NL	**0.38**
		Paralichthys californicus	Aroclor 1016	µg/Kg	4.2	10	5.3	ND
		Muscle fillet tissue	Aroclor 1221	µg/Kg	8.5	10	5.3	ND
		Standard length: 191 mm	Aroclor 1232	µg/Kg	5.0	10	5.3	ND
		Weight: 120 grams	Aroclor 1242	µg/Kg	5.1	10	5.3	ND
			Aroclor 1248	µg/Kg	6.4	10	5.3	ND
			Aroclor 1254	µg/Kg	6.3	10	5.3	**24**
			Aroclor 1260	µg/Kg	6.3	10	5.3	ND
			Aroclor 1262	µg/Kg	6.5	10	5.3	ND
			Total PCBs	µg/Kg	8.5	10	5.3	**24**
10/8/2015	MdRH-B-2	California halibut Rep #2	Lipids	percent	NA	0.10	NL	**0.36**
		Paralichthys californicus	Aroclor 1016	µg/Kg	4.2	10	5.3	ND
		Muscle fillet tissue	Aroclor 1221	µg/Kg	8.5	10	5.3	ND
		Standard length: 156 mm	Aroclor 1232	µg/Kg	5.0	10	5.3	ND
		Weight: 52 grams	Aroclor 1242	µg/Kg	5.1	10	5.3	ND
			Aroclor 1248	µg/Kg	6.4	10	5.3	ND
			Aroclor 1254	µg/Kg	6.3	10	5.3	**31**
			Aroclor 1260	µg/Kg	6.3	10	5.3	ND
			Aroclor 1262	µg/Kg	6.5	10	5.3	ND
			Total PCBs	µg/Kg	8.5	10	5.3	**31**
10/8/2015	MdRH-B-2	California halibut Rep #3	Lipids	percent	NA	0.10	NL	**0.44**
		Paralichthys californicus	Aroclor 1016	µg/Kg	4.2	10	5.3	ND
		Muscle fillet tissue	Aroclor 1221	µg/Kg	8.5	10	5.3	ND
		Standard length: 165 mm	Aroclor 1232	µg/Kg	5.0	10	5.3	ND
		Weight: 100 grams	Aroclor 1242	µg/Kg	5.1	10	5.3	ND
			Aroclor 1248	µg/Kg	6.4	10	5.3	ND
			Aroclor 1254	µg/Kg	6.3	10	5.3	**17**
			Aroclor 1260	µg/Kg	6.3	10	5.3	ND
			Aroclor 1262	µg/Kg	6.5	10	5.3	ND
			Total PCBs	µg/Kg	8.5	10	5.3	**17**
10/8/2015	MdRH-B-2	California halibut Rep #4	Lipids	percent	NA	0.10	NL	**0.43**
		Paralichthys californicus	Aroclor 1016	µg/Kg	4.2	10	5.3	ND
		Muscle fillet tissue	Aroclor 1221	µg/Kg	8.5	10	5.3	ND
		Standard length: 147 mm	Aroclor 1232	µg/Kg	5.0	10	5.3	ND
		Weight: 70 grams	Aroclor 1242	µg/Kg	5.1	10	5.3	ND
			Aroclor 1248	µg/Kg	6.4	10	5.3	ND
			Aroclor 1254	µg/Kg	6.3	10	5.3	**14**
			Aroclor 1260	µg/Kg	6.3	10	5.3	ND
			Aroclor 1262	µg/Kg	6.5	10	5.3	ND
			Total PCBs	µg/Kg	8.5	10	5.3	**14**

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10/8/2015	MdRH-B-2	Bat ray Rep #1	Lipids	percent	NA	0.10	NL	**0.51**
		Myliobatis californica	Aroclor 1016	µg/Kg	4.2	10	5.3	ND
		Muscle fillet tissue	Aroclor 1221	µg/Kg	8.5	10	5.3	ND
		Disc width: 328 mm	Aroclor 1232	µg/Kg	5.1	10	5.3	ND
		Weight: 600 grams	Aroclor 1242	µg/Kg	5.1	10	5.3	ND
			Aroclor 1248	µg/Kg	6.4	10	5.3	ND
			Aroclor 1254	µg/Kg	6.4	10	5.3	ND
			Aroclor 1260	µg/Kg	6.4	10	5.3	ND
			Aroclor 1262	µg/Kg	6.6	10	5.3	ND
			Total PCBs	µg/Kg	8.5	10	5.3	ND
10/8/2015	MdRH-B-2	Bat ray Rep #2	Lipids	percent	NA	0.10	NL	**0.31**
		Myliobatis californica	Aroclor 1016	µg/Kg	4.2	10	5.3	ND
		Muscle fillet tissue	Aroclor 1221	µg/Kg	8.5	10	5.3	ND
		Disc width: 371 mm	Aroclor 1232	µg/Kg	5.0	10	5.3	ND
		Weight: 608 grams	Aroclor 1242	µg/Kg	5.1	10	5.3	ND
			Aroclor 1248	µg/Kg	6.4	10	5.3	ND
			Aroclor 1254	µg/Kg	6.3	10	5.3	ND
			Aroclor 1260	µg/Kg	6.3	10	5.3	ND
			Aroclor 1262	µg/Kg	6.5	10	5.3	ND
			Total PCBs	µg/Kg	8.5	10	5.3	ND
10/8/2015	MdRH-B-2	Mussel Rep #1	Lipids	percent	NA	0.10	NL	**0.88**
		Mytilus galloprovincialis	Aroclor 1016	µg/Kg	4.1	9.9	5.3	ND
		Whole body (without shell)	Aroclor 1221	µg/Kg	8.4	9.9	5.3	ND
		Length: 55 to 65 mm	Aroclor 1232	µg/Kg	5.0	9.9	5.3	ND
			Aroclor 1242	µg/Kg	5.1	9.9	5.3	ND
			Aroclor 1248	µg/Kg	6.3	9.9	5.3	ND
			Aroclor 1254	µg/Kg	6.3	9.9	5.3	**28**
			Aroclor 1260	µg/Kg	6.3	9.9	5.3	ND
			Aroclor 1262	µg/Kg	6.5	9.9	5.3	ND
			Total PCBs	µg/Kg	8.4	9.9	5.3	**28**
10/8/2015	MdRH-B-2	Mussel Rep #2	Lipids	percent	NA	0.10	NL	**1.2**
		Mytilus galloprovincialis	Aroclor 1016	µg/Kg	4.2	10	5.3	ND
		Whole body (without shell)	Aroclor 1221	µg/Kg	8.5	10	5.3	ND
		Length: 55 to 65 mm	Aroclor 1232	µg/Kg	5.0	10	5.3	ND
			Aroclor 1242	µg/Kg	5.1	10	5.3	ND
			Aroclor 1248	µg/Kg	6.4	10	5.3	ND
			Aroclor 1254	µg/Kg	6.3	10	5.3	**42**
			Aroclor 1260	µg/Kg	6.3	10	5.3	ND
			Aroclor 1262	µg/Kg	6.5	10	5.3	ND
			Total PCBs	µg/Kg	8.5	10	5.3	**42**
10/8/2015	MdRH-B-2	Mussel Rep #3	Lipids	percent	NA	0.10	NL	**1.3**
		Mytilus galloprovincialis	Aroclor 1016	µg/Kg	4.2	10	5.3	ND
		Whole body (without shell)	Aroclor 1221	µg/Kg	8.5	10	5.3	ND
		Length: 55 to 65 mm	Aroclor 1232	µg/Kg	5.1	10	5.3	ND
			Aroclor 1242	µg/Kg	5.1	10	5.3	ND
			Aroclor 1248	µg/Kg	6.4	10	5.3	ND
			Aroclor 1254	µg/Kg	6.4	10	5.3	**39**
			Aroclor 1260	µg/Kg	6.4	10	5.3	ND
			Aroclor 1262	µg/Kg	6.6	10	5.3	ND
			Total PCBs	µg/Kg	8.5	10	5.3	**39**

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10/8/2015	MdRH-B-2	Mussel Rep #4	Lipids	percent	NA	0.10	NL	**0.98**
		Mytilus galloprovincialis	Aroclor 1016	µg/Kg	4.1	9.9	5.3	ND
		Whole body (without shell)	Aroclor 1221	µg/Kg	8.4	9.9	5.3	ND
		Length: 55 to 65 mm	Aroclor 1232	µg/Kg	5.0	9.9	5.3	ND
			Aroclor 1242	µg/Kg	5.1	9.9	5.3	ND
			Aroclor 1248	µg/Kg	6.3	9.9	5.3	ND
			Aroclor 1254	µg/Kg	6.3	9.9	5.3	**32**
			Aroclor 1260	µg/Kg	6.3	9.9	5.3	ND
			Aroclor 1262	µg/Kg	6.5	9.9	5.3	ND
			Total PCBs	µg/Kg	8.4	9.9	5.3	**32**
10/8/2015	MdRH-B-2	Mussel Rep #5	Lipids	percent	NA	0.10	NL	**0.85**
		Mytilus galloprovincialis	Aroclor 1016	µg/Kg	4.1	9.9	5.3	ND
		Whole body (without shell)	Aroclor 1221	µg/Kg	8.4	9.9	5.3	ND
		Length: 55 to 65 mm	Aroclor 1232	µg/Kg	5.0	9.9	5.3	ND
			Aroclor 1242	µg/Kg	5.1	9.9	5.3	ND
			Aroclor 1248	µg/Kg	6.3	9.9	5.3	ND
			Aroclor 1254	µg/Kg	6.3	9.9	5.3	**29**
			Aroclor 1260	µg/Kg	6.3	9.9	5.3	ND
			Aroclor 1262	µg/Kg	6.5	9.9	5.3	ND
			Total PCBs	µg/Kg	8.4	9.9	5.3	**29**
10/8/2015	MdRH-B-3	California halibut Rep #1	Lipids	percent	NA	0.10	NL	**0.44**
		Paralichthys californicus	Aroclor 1016	µg/Kg	4.2	10	5.3	ND
		Muscle fillet tissue	Aroclor 1221	µg/Kg	8.4	10	5.3	ND
		Standard length: 186 mm	Aroclor 1232	µg/Kg	5.0	10	5.3	ND
		Weight: 120 grams	Aroclor 1242	µg/Kg	5.1	10	5.3	ND
			Aroclor 1248	µg/Kg	6.3	10	5.3	ND
			Aroclor 1254	µg/Kg	6.3	10	5.3	**13**
			Aroclor 1260	µg/Kg	6.3	10	5.3	ND
			Aroclor 1262	µg/Kg	6.5	10	5.3	ND
			Total PCBs	µg/Kg	8.4	10	5.3	**13**
10/8/2015	MdRH-B-3	California halibut Rep #2	Lipids	percent	NA	0.10	NL	**0.50**
		Paralichthys californicus	Aroclor 1016	µg/Kg	4.2	10	5.3	ND
		Muscle fillet tissue	Aroclor 1221	µg/Kg	8.5	10	5.3	ND
		Standard length: 154 mm	Aroclor 1232	µg/Kg	5.0	10	5.3	ND
		Weight: 80 grams	Aroclor 1242	µg/Kg	5.1	10	5.3	ND
			Aroclor 1248	µg/Kg	6.4	10	5.3	ND
			Aroclor 1254	µg/Kg	6.3	10	5.3	**11**
			Aroclor 1260	µg/Kg	6.3	10	5.3	ND
			Aroclor 1262	µg/Kg	6.5	10	5.3	ND
			Total PCBs	µg/Kg	8.5	10	5.3	**11**
10/8/2015	MdRH-B-3	California halibut Rep #3	Lipids	percent	NA	0.10	NL	**0.62**
		Paralichthys californicus	Aroclor 1016	µg/Kg	4.2	10	5.3	ND
		Muscle fillet tissue	Aroclor 1221	µg/Kg	8.5	10	5.3	ND
		Standard length: 166 mm	Aroclor 1232	µg/Kg	5.0	10	5.3	ND
		Weight: 80 grams	Aroclor 1242	µg/Kg	5.1	10	5.3	ND
			Aroclor 1248	µg/Kg	6.4	10	5.3	ND
			Aroclor 1254	µg/Kg	6.3	10	5.3	**8.9 J**
			Aroclor 1260	µg/Kg	6.3	10	5.3	ND
			Aroclor 1262	µg/Kg	6.5	10	5.3	ND
			Total PCBs	µg/Kg	8.5	10	5.3	**8.9 J**

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10/8/2015	MdRH-B-3	Barred sand bass Rep #1	Lipids	percent	NA	0.10	NL	**0.97**
		Paralabrax nebulifer	Aroclor 1016	µg/Kg	4.2	10	5.3	ND
		Muscle fillet tissue	Aroclor 1221	µg/Kg	8.5	10	5.3	ND
		Standard length: 165 mm	Aroclor 1232	µg/Kg	5.1	10	5.3	ND
		Weight: 120 grams	Aroclor 1242	µg/Kg	5.1	10	5.3	ND
			Aroclor 1248	µg/Kg	6.4	10	5.3	ND
			Aroclor 1254	µg/Kg	6.4	10	5.3	**26**
			Aroclor 1260	µg/Kg	6.4	10	5.3	ND
			Aroclor 1262	µg/Kg	6.6	10	5.3	ND
			Total PCBs	µg/Kg	8.5	10	5.3	**26**
10/8/2015	MdRH-B-3	Barred sand bass Rep #2	Lipids	percent	NA	0.10	NL	**0.85**
		Paralabrax nebulifer	Aroclor 1016	µg/Kg	4.2	10	5.3	ND
		Muscle fillet tissue	Aroclor 1221	µg/Kg	8.4	10	5.3	ND
		Standard length: 146 mm	Aroclor 1232	µg/Kg	5.0	10	5.3	ND
		Weight: 90 grams	Aroclor 1242	µg/Kg	5.1	10	5.3	ND
			Aroclor 1248	µg/Kg	6.3	10	5.3	ND
			Aroclor 1254	µg/Kg	6.3	10	5.3	**22**
			Aroclor 1260	µg/Kg	6.3	10	5.3	ND
			Aroclor 1262	µg/Kg	6.5	10	5.3	ND
			Total PCBs	µg/Kg	8.4	10	5.3	**22**
10/8/2015	MdRH-B-3	Barred sand bass Rep #3	Lipids	percent	NA	0.10	NL	**0.86**
		Paralabrax nebulifer	Aroclor 1016	µg/Kg	4.2	10	5.3	ND
		Muscle fillet tissue	Aroclor 1221	µg/Kg	8.5	10	5.3	ND
		Standard length: 179 mm	Aroclor 1232	µg/Kg	5.0	10	5.3	ND
		Weight: 170 grams	Aroclor 1242	µg/Kg	5.1	10	5.3	ND
			Aroclor 1248	µg/Kg	6.4	10	5.3	ND
			Aroclor 1254	µg/Kg	6.3	10	5.3	**29**
			Aroclor 1260	µg/Kg	6.3	10	5.3	ND
			Aroclor 1262	µg/Kg	6.5	10	5.3	ND
			Total PCBs	µg/Kg	8.5	10	5.3	**29**
10/8/2015	MdRH-B-3	Mussel Rep #1	Lipids	percent	NA	0.10	NL	**0.52**
		Mytilus galloprovincialis	Aroclor 1016	µg/Kg	4.2	10	5.3	ND
		Whole body (without shell)	Aroclor 1221	µg/Kg	8.5	10	5.3	ND
		Length: 55 to 65 mm	Aroclor 1232	µg/Kg	5.0	10	5.3	ND
			Aroclor 1242	µg/Kg	5.1	10	5.3	ND
			Aroclor 1248	µg/Kg	6.4	10	5.3	ND
			Aroclor 1254	µg/Kg	6.3	10	5.3	**23**
			Aroclor 1260	µg/Kg	6.3	10	5.3	ND
			Aroclor 1262	µg/Kg	6.5	10	5.3	ND
			Total PCBs	µg/Kg	8.5	10	5.3	**23**
10/8/2015	MdRH-B-3	Mussel Rep #2	Lipids	percent	NA	0.10	NL	**0.60**
		Mytilus galloprovincialis	Aroclor 1016	µg/Kg	4.2	10	5.3	ND
		Whole body (without shell)	Aroclor 1221	µg/Kg	8.5	10	5.3	ND
		Length: 55 to 65 mm	Aroclor 1232	µg/Kg	5.0	10	5.3	ND
			Aroclor 1242	µg/Kg	5.1	10	5.3	ND
			Aroclor 1248	µg/Kg	6.4	10	5.3	ND
			Aroclor 1254	µg/Kg	6.3	10	5.3	**18**
			Aroclor 1260	µg/Kg	6.3	10	5.3	ND
			Aroclor 1262	µg/Kg	6.5	10	5.3	ND
			Total PCBs	µg/Kg	8.5	10	5.3	**18**

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10/8/2015	MdRH-B-3	Mussel Rep #3	Lipids	percent	NA	0.10	NL	**0.66**
		Mytilus galloprovincialis	Aroclor 1016	µg/Kg	4.2	10	5.3	ND
		Whole body (without shell)	Aroclor 1221	µg/Kg	8.5	10	5.3	ND
		Length: 55 to 65 mm	Aroclor 1232	µg/Kg	5.0	10	5.3	ND
			Aroclor 1242	µg/Kg	5.1	10	5.3	ND
			Aroclor 1248	µg/Kg	6.4	10	5.3	ND
			Aroclor 1254	µg/Kg	6.3	10	5.3	**19**
			Aroclor 1260	µg/Kg	6.3	10	5.3	ND
			Aroclor 1262	µg/Kg	6.5	10	5.3	ND
			Total PCBs	µg/Kg	8.5	10	5.3	**19**
10/8/2015	MdRH-B-3	Mussel Rep #4	Lipids	percent	NA	0.10	NL	**0.91**
		Mytilus galloprovincialis	Aroclor 1016	µg/Kg	4.2	10	5.3	ND
		Whole body (without shell)	Aroclor 1221	µg/Kg	8.5	10	5.3	ND
		Length: 55 to 65 mm	Aroclor 1232	µg/Kg	5.0	10	5.3	ND
			Aroclor 1242	µg/Kg	5.1	10	5.3	ND
			Aroclor 1248	µg/Kg	6.4	10	5.3	ND
			Aroclor 1254	µg/Kg	6.3	10	5.3	**46**
			Aroclor 1260	µg/Kg	6.3	10	5.3	ND
			Aroclor 1262	µg/Kg	6.5	10	5.3	ND
			Total PCBs	µg/Kg	8.5	10	5.3	**46**
10/8/2015	MdRH-B-3	Mussel Rep #5	Lipids	percent	NA	0.10	NL	**0.67**
		Mytilus galloprovincialis	Aroclor 1016	µg/Kg	4.2	10	5.3	ND
		Whole body (without shell)	Aroclor 1221	µg/Kg	8.5	10	5.3	ND
		Length: 55 to 65 mm	Aroclor 1232	µg/Kg	5.0	10	5.3	ND
			Aroclor 1242	µg/Kg	5.1	10	5.3	ND
			Aroclor 1248	µg/Kg	6.4	10	5.3	ND
			Aroclor 1254	µg/Kg	6.3	10	5.3	**18**
			Aroclor 1260	µg/Kg	6.3	10	5.3	ND
			Aroclor 1262	µg/Kg	6.5	10	5.3	ND
			Total PCBs	µg/Kg	8.5	10	5.3	**18**

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
- NA - Not available
- NL - No limit listed in TMDL
- J - Qualifier indicates value is between the reporting limit and the MDL, value is estimate
- 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

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Monitoring Locations

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

Miles
0.5 0.25 0

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Laboratory Certifications

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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

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Environmental Laboratory Accreditation Program

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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.

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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

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ISSUE DATE: 01/30/2016

EXPIRATION DATE: 01/29/2017

Certificate No: CA300001 - 010

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REGIONAL WATER QUALITY CONTROL BOARDS

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ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

CERTIFICATE OF ENVIRONMENTAL LABORATORY ACCREDITATION

Is hereby granted to

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4340 Vandever Avenue

San Diego, CA 92120

Scope of the certificate is limited to the
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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

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Wet-Weather Monitoring - Storm-borne Sediment
2015 - 2016

STORM-BORNE SEDIMENT LOADING ESTIMATES
Results of Composite Sample Analyses and Loading Calculations

Station Information	Chemical Constituent	Units	MDL	Reporting Limit	Storm-borne Sediment Concentration	Storm Event #1 Loading Estimate[1] (kg)	Storm Event #2 Loading Estimate[1] (kg)	Storm Event #3 Loading Estimate[1] (kg)	Storm Event #4 Loading Estimate[1] (kg)	Storm Event #5 Loading Estimate[1] (kg)	Storm Event #6 Loading Estimate[1] (kg)	Storm Event #7 Loading Estimate[1] (kg)	Storm Event #8 Loading Estimate[1] (kg)	Storm Event #9 Loading Estimate[1] (kg)	Total[2] (kg) (Sum of Storms)
MdR-3	Copper	mg/kg	0.466	1.73	**229**	No Flow Data	1.01E-01	1.46E-01	2.59E-03	4.42E-02	2.65E-01	7.35E-02	5.44E-03	5.07E-02	6.88E-01
	Lead	mg/kg	0.455	1.73	**117**	No Flow Data	5.16E-02	7.46E-02	1.32E-03	2.26E-02	1.35E-01	3.76E-02	2.78E-03	2.59E-02	3.52E-01
	Zinc	mg/kg	0.614	3.46	**1,380**	No Flow Data	6.09E-01	8.80E-01	1.56E-02	2.66E-01	1.59E+00	4.43E-01	3.28E-02	3.06E-01	4.15E+00
	Total Chlordane	µg/kg	0.3	0.7	**56**	No Flow Data	2.47E-05	3.57E-05	6.32E-07	1.08E-05	6.47E-05	1.80E-05	1.33E-06	1.24E-05	1.68E-04
	Total PCBs	µg/kg	0.7	5.8	30.5	No Flow Data	1.35E-05	1.95E-05	3.44E-07	5.89E-06	3.52E-05	9.80E-06	7.25E-07	6.75E-06	9.17E-05
Station Information	**Chemical Constituent**	**Units**	**MDL**	**Reporting Limit**	**Storm-borne Sediment Concentration**	**Storm Event #1 Loading Estimate[1] (kg)**	**Storm Event #2 Loading Estimate[1] (kg)**	**Storm Event #3 Loading Estimate[1] (kg)**	**Storm Event #4 Loading Estimate[1] (kg)**	**Storm Event #5 Loading Estimate[1] (kg)**	**Storm Event #6 Loading Estimate[1] (kg)**	**Storm Event #7 Loading Estimate[1] (kg)**	**Storm Event #8 Loading Estimate[1] (kg)**	**Storm Event #9 Loading Estimate[1] (kg)**	**Total[2] (kg) (Sum of Storms)**
MdR-4	Copper	mg/kg	NA	NA	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
	Lead	mg/kg	NA	NA	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
	Zinc	mg/kg	NA	NA	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
	Total Chlordane	µg/kg	NA	NA	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
	Total PCBs	µg/kg	NA	NA	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
Station Information	**Chemical Constituent**	**Units**	**MDL**	**Reporting Limit**	**Storm-borne Sediment Concentration**	**Storm Event #1 Loading Estimate[1] (kg)**	**Storm Event #2 Loading Estimate[1] (kg)**	**Storm Event #3 Loading Estimate[1] (kg)**	**Storm Event #4 Loading Estimate[1] (kg)**	**Storm Event #5 Loading Estimate[1] (kg)**	**Storm Event #6 Loading Estimate[1] (kg)**	**Storm Event #7 Loading Estimate[1] (kg)**	**Storm Event #8 Loading Estimate[1] (kg)**	**Storm Event #9 Loading Estimate[1] (kg)**	**Total[2] (kg) (Sum of Storms)**
MdR-5	Copper	mg/kg	0.579	2.15	**307**	No Storm Flow	3.10E-02	3.92E-01	2.49E-02	5.98E-03	3.78E-01	1.18E-01	2.36E-02	2.97E-04	9.73E-01
	Lead	mg/kg	0.566	2.15	**128**	No Storm Flow	1.29E-02	1.64E-01	1.04E-02	2.49E-03	1.58E-01	4.90E-02	9.82E-03	1.24E-04	4.06E-01
	Zinc	mg/kg	0.763	4.30	**1,300**	No Storm Flow	1.31E-01	1.66E+00	1.05E-01	2.53E-02	1.60E+00	4.98E-01	9.98E-02	1.26E-03	4.12E+00
	Total Chlordane	µg/kg	0.31	0.9	**45.9**	No Storm Flow	4.64E-06	5.87E-05	3.72E-06	8.94E-07	5.65E-05	1.76E-05	3.52E-06	4.45E-08	1.46E-04
	Total PCBs	µg/kg	0.8	1.7	10.4	No Storm Flow	1.05E-06	1.33E-05	8.43E-07	2.03E-07	1.28E-05	3.99E-06	7.98E-07	1.01E-08	3.30E-05
Station Information	**Chemical Constituent**	**Units**	**MDL**	**Reporting Limit**	**Storm-borne Sediment Concentration**	**Storm Event #1 Loading Estimate[1] (kg)**	**Storm Event #2 Loading Estimate[1] (kg)**	**Storm Event #3 Loading Estimate[1] (kg)**	**Storm Event #4 Loading Estimate[1] (kg)**	**Storm Event #5 Loading Estimate[1] (kg)**	**Storm Event #6 Loading Estimate[1] (kg)**	**Storm Event #7 Loading Estimate[1] (kg)**	**Storm Event #8 Loading Estimate[1] (kg)**	**Storm Event #9 Loading Estimate[1] (kg)**	**Total[2] (kg) (Sum of Storms)**
MdRU-C1	Copper	mg/kg	0.532	1.98	**362**	6.76E-04	1.37E-03	1.56E-02	4.15E-04	2.89E-03	7.04E-03	6.41E-03	6.52E-04	No Storm Flow	3.51E-02
	Lead	mg/kg	0.520	1.98	**117.0**	2.18E-04	4.43E-04	5.06E-03	1.34E-04	9.36E-04	2.27E-03	2.07E-03	2.11E-04	No Storm Flow	1.13E-02
	Zinc	mg/kg	0.701	3.95	**1,770**	3.31E-03	6.71E-03	7.65E-02	2.03E-03	1.42E-02	3.44E-02	3.13E-02	3.19E-03	No Storm Flow	1.72E-01
	Total Chlordane	µg/kg	0.3	0.8	**23.6**	4.41E-08	8.94E-08	1.02E-06	2.71E-08	1.89E-07	4.59E-07	4.18E-07	4.25E-08	No Storm Flow	2.29E-06
	Total PCBs	µg/kg	0.8	9.3	**18.8**	3.51E-08	7.12E-08	8.12E-07	2.16E-08	1.50E-07	3.65E-07	3.33E-07	3.39E-08	No Storm Flow	1.82E-06
Station Information	**Chemical Constituent**	**Units**	**MDL**	**Reporting Limit**	**Storm-borne Sediment Concentration**	**Storm Event #1 Loading Estimate[1] (kg)**	**Storm Event #2 Loading Estimate[1] (kg)**	**Storm Event #3 Loading Estimate[1] (kg)**	**Storm Event #4 Loading Estimate[1] (kg)**	**Storm Event #5 Loading Estimate[1] (kg)**	**Storm Event #6 Loading Estimate[1] (kg)**	**Storm Event #7 Loading Estimate[1] (kg)**	**Storm Event #8 Loading Estimate[1] (kg)**	**Storm Event #9 Loading Estimate[1] (kg)**	**Total[2] (kg) (Sum of Storms)**
MdRU-C2	Copper	mg/kg	0.350	1.30	**128**	No Storm Flow	No Storm Flow	1.14E-02	1.44E-05	1.96E-04	5.83E-03	1.18E-02	2.14E-03	No Storm Flow	3.14E-02
	Lead	mg/kg	0.342	1.30	**75.4**	No Storm Flow	No Storm Flow	6.72E-03	8.51E-06	1.15E-04	3.43E-03	6.94E-03	1.26E-03	No Storm Flow	1.85E-02
	Zinc	mg/kg	0.461	2.60	**1,100**	No Storm Flow	No Storm Flow	9.80E-02	1.24E-04	1.68E-03	5.01E-02	1.01E-01	1.84E-02	No Storm Flow	2.69E-01
	Total Chlordane	µg/kg	0.8	2.5	**86**	No Storm Flow	No Storm Flow	7.66E-06	9.70E-09	1.32E-07	3.91E-06	7.92E-06	1.44E-06	No Storm Flow	2.11E-05
	Total PCBs	µg/kg	4.8	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Station Information	**Chemical Constituent**	**Units**	**MDL**	**Reporting Limit**	**Storm-borne Sediment Concentration**	**Storm Event #1 Loading Estimate[1] (kg)**	**Storm Event #2 Loading Estimate[1] (kg)**	**Storm Event #3 Loading Estimate[1] (kg)**	**Storm Event #4 Loading Estimate[1] (kg)**	**Storm Event #5 Loading Estimate[1] (kg)**	**Storm Event #6 Loading Estimate[1] (kg)**	**Storm Event #7 Loading Estimate[1] (kg)**	**Storm Event #8 Loading Estimate[1] (kg)**	**Storm Event #9 Loading Estimate[1] (kg)**	**Total[2] (kg) (Sum of Storms)**
Total (Sum of Locations)	Copper	mg/kg	NA	NA	NA	6.76E-04	1.33E-01	5.65E-01	2.79E-02	5.33E-02	6.55E-01	2.09E-01	3.18E-02	5.10E-02	1.73E+00
	Lead	mg/kg	NA	NA	NA	2.18E-04	6.50E-02	2.50E-01	1.18E-02	2.61E-02	2.98E-01	9.56E-02	1.41E-02	2.60E-02	7.87E-01
	Zinc	mg/kg	NA	NA	NA	3.31E-03	7.47E-01	2.72E+00	1.23E-01	3.08E-01	3.28E+00	1.07E+00	1.54E-01	3.07E-01	8.71E+00
	Total Chlordane	µg/kg	NA	NA	NA	4.41E-08	2.94E-05	1.03E-04	4.39E-06	1.20E-05	1.26E-04	4.39E-05	6.33E-06	1.24E-05	3.37E-04
	Total PCBs	µg/kg	NA	NA	NA	3.51E-08	1.46E-05	3.36E-05	1.21E-06	6.24E-06	4.84E-05	1.41E-05	1.56E-06	6.76E-06	1.26E-04

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Wet-Weather Monitoring - Storm-borne Sediment
2015 - 2016

STORM-BORNE SEDIMENT LOADING ESTIMATES
Results of Composite Sample Analyses and Loading Calculations

Supplementary Information for Loading Calculations

Station Information	Chemical Constituent	Units	MDL	Reporting Limit	Storm-borne Sediment Concentration		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	Total (Sum of Storms)
MdR-3	Flow Volume	CF	NA	NA	NA		No Flow Data	44,787	402,170	12,863	158,524	523,149	143,570	6,311	14,345	1,305,719
MdR-3	Total Suspended Solids	mg/L	NA	NA	NA		No TSS	348	56	31	43	78	79	133	545	NA
MdR-4	Flow Volume	CF	NA	NA	NA		Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
MdR-4	Total Suspended Solids	mg/L	NA	NA	NA		Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
MdR-5	Flow Volume	CF	NA	NA	NA		No Storm Flow	50,228	644,650	40,340	11,095	268,279	126,469	37,645	4,502	1,183,208
MdR-5	Total Suspended Solids[5]	mg/L	NA	NA	NA		No TSS	71	70	71	62	162	107	72	7.6	NA
MdRU-C1	Flow Volume[3]	CF	NA	NA	NA		2,314	5,352	30,521	2,893	8,824	16,345	5,786	2,893	No Storm Flow	74,928
MdRU-C1	Total Suspended Solids[5]	mg/L	NA	NA	NA		28.5	25	50	14	32	42	108	22	3.2	NA
MdRU-C2	Flow Volume[4]	CF	NA	NA	NA		No Storm Flow	No Storm Flow	26,211	48	3,377	34,941	27,090	7,105	No Storm Flow	98,772
MdRU-C2	Total Suspended Solids[5]	mg/L	NA	NA	NA		No TSS	No TSS	120	83	16	46	120	83	No TSS	NA

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

[1] Loading estimates for each storm event are included to illustrate how the Total Load (Sum of Storms) was obtained, and to identify the storm events without flow (and were therefore excluded from the Total Load calculation)

[2] 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

[3] Discharge volumes for MdRU-C-1 (all storms) were determined to be affected by equipment error; volumes used in this table for load estimation were estimated by the Modified Rational Method (Hydrology Manual, 2006, Los Angeles County Department of Public Works) with rain data from the Electric Avenue Pump Plant

[4] Discharge volume for MdRU-C-2 for Storm Event #6 was determined to be affected by equipment error; the volume used in this table for load estimation was estimated by the Modified Rational Method (Hydrology Manual, 2006, Los Angeles County Department of Public Works) with rain data from the Electric Avenue Pump Plant

[5] Missing total suspended solids data were substituted with the 2015-2016 median value: 71 for MdR-5 Events #2 and #4; 28.5 for MdRU-C-1 Event #1; 83 for MdRU-C-2 Events #4 and #8

CF - cubic feet
cis-Chlordane = alpha-Chlordane
Detections are indicated in **bold**
kg - kilogram
MDL - Method Detection Limit
NA - Not applicable
ND - Analyte not detected at or above the method detection limit, load value is assumed as zero
No Flow Data - no flow data was measured due to equipment issue
No Storm Flow - no storm water flow occurred, see text for further detail
No TSS - no data were available for Total Suspended Solids
Not Available - MdR-4 was not available for sampling or monitoring due to on-going construction related to the Oxford Basin Multiuse Enhancement Project
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

Marina Del Rey Toxic Pollutants TMDL - Coordinated Monitoring Program
Wet-Weather Monitoring - Storm-borne Sediment
2015 - 2016

STORM-BORNE SEDIMENT LOADING ESTIMATES SUMMARY FOR BACK BASIN WATERSHEDS
Composite of Storm Events

Chemical Constituent	Point Sources Waste Load Allocation (kg/yr) 2005-012	Sub-Watershed Area 3 (MdR-5) (kg/season)	Sub-Watershed Area 4 (MdR-3) (kg/season)	Sub-Watershed Area 4 (MdR-4) (kg/season)	Sub-Watershed Under-Represented Area (MdRU-C-1) (kg/season)	Sub-Watershed Under-Represented Area (MdRU-C-2) (kg/season)	Watershed Area (kg/season)
Copper	2.06E+00	9.73E-01	6.88E-01	Not Available	6.07E-01	2.56E-01	2.53E+00
Lead	2.83E+00	4.06E-01	3.52E-01	Not Available	1.96E-01	1.51E-01	1.10E+00
Zinc	9.11E+00	4.12E+00	4.15E+00	Not Available	2.97E+00	2.20E+00	1.34E+01
Total Chlordane	3.00E-05	1.46E-04	1.68E-04	Not Available	3.96E-05	1.72E-04	5.26E-04
Total PCBs	1.38E-03	3.30E-05	9.17E-05	Not Available	3.15E-05	ND	1.56E-04

Notes:
- kg - kilogram
- kg/yr - kilogram per year
- ND - Analyte not detected at or above the method detection limit
- Not Available - MdR-4 was not available for sampling or monitoring due to on-going construction related to the Oxford Basin Multiuse Enhancement Project
- Waste Load Extrapolations
  - Sub-Watershed Area 3 is represented by monitoring location MdR-5. A portion of Sub-Watershed Area 3 is included in the Under-Represented Area.
  - Sub-Watershed Area 4 is represented by monitoring locations MdR-3 and MdR-4.
  - Under-Represented Watershed Area is represented by MdRU-C-1 and MdRU-C-2 and includes portions of Sub-Watershed Areas 1A, 3, and 4.
    - Since the catchment areas of the Under-Represented Area monitoring locations were only for a portion of the Under-Represented Area, the estimated loads were extrapolated to represent the entire Under-Represented Area.
    - The extrapolation was based on the ratio of the total combined land use area and the catchment area.
    - Based on these ratios the loads for MdRU-C-1 and MdRU-C-2 were multiplied by 17.3 and 31.9, respectively, to estimate the Under-Represented Area.