

DMR ID	DMR Order	Table XII.A Order	Parameter	Permit Required Units	NMAC 20.6.4 Water Quality Criterion			Pueblo Water Quality Criterion			Bear Arroyo at Jefferson					Embudo Arroyo at Monte Largo			
					Permit MQL Table XII.B	Basis	Concentration	Pueblo	Concentration	Sample Type	No 2014 Wet Season Sample Collected	USGS Mean & Median (2003-2012)	Provisional or Verified	Collection Date month/day/2014 Dry Season Concentration	Check compared to Water Quality Criterion	Provisional or Verified	Collection Date 8/13/2014 Wet Season Sample	Qualifier	Check compared to Water Quality Criterion
0	0	1	Dissolved Oxygen (DO)	mg/l	--	Mar. Warmwater Aquatic	5	Isleta & Sandia	5	Grab	--	--	--	--	--	--	--	--	
00010 1 0	1	32	Temperature	°C	--	Mar. Warmwater Aquatic	32.2 max	Isleta Sandia (Coolwat Aq Life- applies to NDC only)	32.2 max 25 max	Grab	--	--	--	--	V	25.56		OK	
00094 1 0	2	27	Conductivity	umhos/cm	--	--	--	--	--	Grab	--	--	--	--	V	129		--	
00310 1 0	3	2	Biochemical Oxygen Demand (BOD ₅)	mg/l	--	--	--	--	--	Composite	--	--	--	--	--	--		--	
00340 1 0	4	3	Chemical Oxygen Demand (COD)	mg/l	--	--	--	--	--	Composite	--	--	--	--	--	--		--	
00400 1 0	5	25	pH	S.U.	--	Primary Contact	6.6-9	Isleta & Sandia	6.6-9	Grab	--	--	--	--	V	6.72		OK	
00530 1 0	6	4	Total Suspended Solids (TSS)	mg/l	--	--	--	--	--	Composite	--	--	--	--	--	--		--	
00556 1 0	7	29	Oil and Grease	mg/l	--	--	--	Sandia & Isleta	15	Grab	--	--	--	--	--	--		--	
00600 1 0	8	6	Total Nitrogen	mg/l	--	--	--	Isleta	10	Composite	--	--	--	--	--	--		--	
00620 1 0	9	24	Nitrate	mg/l	--	DWS - Public Water Supply	10	--	--	Composite	--	--	--	--	--	--		--	
00625 1 0	10	7	Total Kjeldahl Nitrogen (TKN)	mg/l	--	--	--	--	--	Composite	--	--	--	--	--	--		--	
00665 1 0	11	8	Total Phosphorous	mg/l	--	--	--	Sandia	100	Composite	--	--	--	--	--	--		--	
00666 1 0	12	9	Dissolved Phosphorous	mg/l	--	--	--	--	--	Composite	--	--	--	--	--	--		--	
00900 1 0	13	31	Hardness (as CaCO ₃)	mg/l	--	--	--	--	--	Grab	--	--	--	--	--	--		--	
00940 1 0	14	23	Chlorides (as Cl)	mg/l	--	Rio Grande Basin	250	--	--	Composite	--	--	--	--	--	--		--	
00945 1 0	15	26	Sulfates	mg/l	--	Rio Grande Basin	500	--	--	Composite	--	--	--	--	--	--		--	
01002 1 0	16	21	Arsenic	µg/l	0.5	DWS - Public Water Supply	10	Isleta Sandia (acute / chronic)	200 340 / 150	Composite	--	--	--	--	--	--		--	
01025 1 0	17	11	Dissolved Cadmium	µg/l	1	Aquatic Life (acute / chronic) ³ DWS - Public Water Supply	1.51 / 0.42 5	Isleta	5 Eqn. based on	Composite	--	--	--	--	--	--		--	
01027 1 0	18	10	Total Cadmium	µg/l	1	DWS - Public Water Supply	5	--	--	Composite	--	--	--	--	--	--		--	
01032 1 0	19	20	Chromium IV (Hexavalent)	µg/l	10	Aquatic Life (acute / chronic) ⁵	16 / 11	Sandia	Eqn. based on hardness	Composite	--	--	--	--	--	--		--	
01033 1 0	20	19	Chromium III	µg/l	10	DWS - Public Water Supply	100	Isleta	100 Eqn. based on	Composite	--	--	--	--	--	--		--	
01040 1 0	21	13	Dissolved Copper	µg/l	0.5	Aquatic Life (acute / chronic) ³ Irrigation	12 / 8 200	Isleta	500 Eqn. based on	Composite	--	--	--	--	--	--		--	
01042 1 0	22	12	Total Copper	µg/l	0.5	--	--	--	--	Composite	--	--	--	--	--	--		--	
01049 1 0	23	15	Dissolved Lead	µg/l	0.5	Aquatic Life (acute / chronic) ³ Irrigation	58 / 2 200	Sandia	Eqn. based on hardness	Composite	--	--	--	--	--	--		--	
01051 1 0	24	14	Total Lead	µg/l	0.5	--	--	--	--	Composite	--	--	--	--	--	--		--	
01059 1 0	25	22	Thallium	µg/l	0.5	DWS - Public Water Supply	2	Isleta	2	Composite	--	--	--	--	--	--		--	
01090 1 0	26	17	Dissolved Zinc	µg/l	0.5	Aquatic Life (acute / chronic) ³ Irrigation	145 / 110 2000	Sandia	Eqn. based on hardness	Composite	--	--	--	--	--	--		--	
01092 1 0	27	16	Total Zinc	µg/l	20	--	--	--	--	Composite	--	--	--	--	--	--		--	
32730 1 0	28	30	Total Phenols	µg/l	10	--	--	--	--	Composite	--	--	--	--	--	--		--	
70295 1 0	29	5	Total Dissolved Solids (TDS)	mg/l	--	Rio Grande Basin	1,500	--	--	Composite	--	--	--	--	--	--		--	
71900 1 0	30	18	Mercury	µg/l	0.005	Wildlife Habitat	0.77	Isleta Sandia (acute)	2.0 2.4	Composite	--	--	--	--	--	--		--	
74055 1 0	31	28	E coli	MPN (CFU/100 mL)	--	Primary Contact-Single Sample	410	Isleta(year round) & Sandia (4/1 to 9/30) Sandia (October 1 to March 31)	88 235	Grab	Sample Not Collected	Mean: 6,581 Median: 3,765	--	OK	V	1,198		>WQ Standard	

Data Verification/Validation and Qualifier Notes

- (a) The laboratory MQL was 1.0 ug/L, which is above the permit MQL of 0.5 ug/L.
- (b) The laboratory PQL was 50 ug/L, which is above the permit MQL of 10 ug/L.
- (c) The laboratory PQL was 10 ug/L, and the MDL was 3 ug/L. These are above the permit MQL of 0.5 ug/L.
- (d) The laboratory PQL was 50 ug/L, which is above the permit MQL of 20 ug/L.
- (e) The laboratory PQL was 1 ug/L, and the MDL was 5 ug/L. These are above the permit MQL of 0.5 ug/L.

(R) The sample results are unusable because certain criteria were not met. The analyte may or may not be present in the sample.
(H) Sample holding time exceeded.

Notes:

- 1. USGS mean value from draft "Summary of Urban Runoff Water Quality in Albuquerque, New Mexico 2003-12", USGS.
- 2. Wet Season monitoring period - June 1 to Sept 30.
- 3. Dry Season data (Oct 1 to May 31) will be added as collected.

DMR ID	DMR Order	Table XII.A Order	Parameter	Permit Required Units	Main Hahn Arroyo					North Floodway Near Alameda					San Antonio Arroyo							
					USGS Mean & Median (2003-2012)	Provisional or Verified	Collection Date month/day/2014 Dry Season Concentration	Check compared to Water Quality Criterion	No 2014 Wet Season Sample Collected	USGS Mean & Median (2003-2012)	Provisional or Verified	Collection Date 12/17/2014 Dry Season Concentration	Check compared to Water Quality Criterion	No 2014 Wet Season Sample Collected	USGS Mean & Median (2003-2012)	Provisional or Verified	Collection Date 12/4/2014 Dry Season Concentration	Check compared to Water Quality Criterion	Provisional or Verified	Collection Date 8/22/2014 Wet Season Sample	Qualifier	Check compared to Water Quality Criterion
0	0	1	Dissolved Oxygen (DO)	mg/l	--	--	--	--		--	--	--	--		No Data	P	7.6	OK	V	6.45		OK
00010 1 0	1	32	Temperature	°C	--	--	--	--		--	--	--	--		No Data	P	12.94	OK	V	21.42		OK
00094 1 0	2	27	Conductivity	umhos/cm	--	--	--	--		--	--	--	--		Mean: 126.1 Median: 98	P	334	--	V	148		--
00310 1 0	3	2	Biochemical Oxygen Demand (BOD ₅)	mg/l	--	--	--	--		--	--	--	--		Mean: 30 Median: 14.1	P	89	--	V	19		--
00340 1 0	4	3	Chemical Oxygen Demand (COD)	mg/l	--	--	--	--		--	--	--	--		Mean: 254.9 Median: 211	P	160	--	V	85		--
00400 1 0	5	25	pH	S.U.	--	--	--	--		--	--	--	--		Mean: 8.05 Median: 8.2	P	8.84	OK	V	7.02		OK
00530 1 0	6	4	Total Suspended Solids (TSS)	mg/l	--	--	--	--		--	--	--	--		Mean: 1,780.9 Median: 1,465	P	170	--	V	16		--
00556 1 0	7	29	Oil and Grease	mg/l	--	--	--	--		--	--	--	--		No Data	P	10	OK	V	ND		OK
00600 1 0	8	6	Total Nitrogen	mg/l	--	--	--	--		--	--	--	--		No Data	P	4.2	OK	V	1.1		OK
00620 1 0	9	24	Nitrate	mg/l	--	--	--	--		--	--	--	--		Mean: 0.76 Median: 0.59	P	0.55	OK	V	ND		OK
00625 1 0	10	7	Total Kjeldahl Nitrogen (TKN)	mg/l	--	--	--	--		--	--	--	--		No Data	P	3.6	--	V	1.1		--
00665 1 0	11	8	Total Phosphorous	mg/l	--	--	--	--		--	--	--	--		Mean: 1.6 Median: 1.3	P	0.51	OK	V	0.172		OK
00666 1 0	12	9	Dissolved Phosphorous	mg/l	--	--	--	--		--	--	--	--		Mean: 0.19 Median: 0.17	P	0.25	--	V	0.166		--
00900 1 0	13	31	Hardness (as CaCO ₃)	mg/l	--	--	--	--		--	--	--	--		No Data	P	95	--	V	55		--
00940 1 0	14	23	Chlorides (as Cl)	mg/l	--	--	--	--		--	--	--	--		Mean: 9.98 Median: 6.3	P	7.9	OK	V	3		OK
00945 1 0	15	26	Sulfates	mg/l	--	--	--	--		--	--	--	--		Mean: 8.57 Median: 6.89	P	6.4	>WQ Standard	V	7.5		>WQ Standard
01002 1 0	16	21	Arsenic	µg/l	--	--	--	--		--	--	--	--		Mean: 1.74 Median: 2	P	2	OK	V (a)	1.9		OK
01025 1 0	17	11	Dissolved Cadmium	µg/l	--	--	--	--		--	--	--	--		Mean: 0.25 Median: 0.1	P	<1.0	OK	V	ND		#N/A
01027 1 0	18	10	Total Cadmium	µg/l	--	--	--	--		--	--	--	--		No Data	P	<1.0	OK	V	ND		OK
01032 1 0	19	20	Chromium IV (Hexavalent)	µg/l	--	--	--	--		--	--	--	--		Mean: 5 Median: 5	P	1.2	OK	V	ND		OK
01033 1 0	20	19	Chromium III	µg/l	--	--	--	--		--	--	--	--		Mean: 10.52 Median: 12.26	P	<6.0	OK	V	ND		OK
01040 1 0	21	13	Dissolved Copper	µg/l	--	--	--	--		--	--	--	--		Mean: 7.59 Median: 5.75	P	12	#N/A	V (a)	5.9		#N/A
01042 1 0	22	12	Total Copper	µg/l	--	--	--	--		--	--	--	--		No Data	P	27	--	V (a)	7.7		--
01049 1 0	23	15	Dissolved Lead	µg/l	--	--	--	--		--	--	--	--		Mean: 1.69 Median: 2	P	1.1	#N/A	V (a)	ND	R	#N/A
01051 1 0	24	14	Total Lead	µg/l	--	--	--	--		--	--	--	--		No Data	P	11	--	V (a)	1.5		--
01059 1 0	25	22	Thallium	µg/l	--	--	--	--		--	--	--	--		Mean: 1.89 Median: < 2	P	<1.0	OK	V (a)	ND	R	OK
01090 1 0	26	17	Dissolved Zinc	µg/l	--	--	--	--		--	--	--	--		Mean: 16.44 Median: 7.42	P	46	#N/A	V	170		#N/A
01092 1 0	27	16	Total Zinc	µg/l	--	--	--	--		--	--	--	--		No Data	P	180	--	V	29		--
32730 1 0	28	30	Total Phenols	µg/l	--	--	--	--		--	--	--	--		Mean: 0.23 Median: 0.15	P	63	OK	V (b)	ND	R	OK
70295 1 0	29	5	Total Dissolved Solids (TDS)	mg/l	--	--	--	--		--	--	--	--		Mean: 117.2 Median: 103	P	210	OK	V	180		OK
71900 1 0	30	18	Mercury	µg/l	--	--	--	--		--	--	--	--		Mean: <0.5 Median: <0.5	P	<0.20	OK	V	ND		OK
74055 1 0	31	28	E coli	MPN (CFU/100 mL)	Mean: 6,712 Median: 2,750	P	--	OK	Sample Not Collected	Mean: 14,010 Median: 3,803	P	158	>WQ Standard		Mean: 13,667 Median: 2,934	P	5,794	>WQ Standard	V	8,664		>WQ Standard

Data Verification/Validation and Qualifier Notes

- (a) The laboratory MQL was 1.0 ug/L, which is above the pe
- (b) The laboratory PQL was 50 ug/L, which is above the per
- (c) The laboratory PQL was 10 ug/L, and the MDL was 3 ug
- (d) The laboratory PQL was 50 ug/L, which is above the per
- (e) The laboratory PQL was 1 ug/L, and the MDL was 5 ug/

- (R) The sample results are unusable because certain criteri
- (H) Sample holding time exceeded.

Notes:

- 1. USGS mean value from draft "Summary of Urban Runoff
- 2. Wet Season monitoring period - June 1 to Sept 30.
- 3. Dry Season data (Oct 1 to May 31) will be added as collected.

DMR ID	DMR Order	Table XII.A Order	Parameter	Permit Required Units	USGS Mean & Median (2003-2012)	Provisional or Verified	Collection Date 12/13/2014 Dry Season Concentration	Check compared to Water Quality Criterion	San Jose Drain at Woodward Ave.							South Diversion Arroyo					Tijeras Arroyo	
									Provisional or Verified	Collection Date 7/17/2014 Wet Season Sample	Qualifier	Check compared to Water Quality Criterion	USGS Mean & Median (2003-2012)	Provisional or Verified	Collection Date 12/4/2014 Dry Season Concentration	Check compared to Water Quality Criterion	No 2014 Wet Season Sample Collected	USGS Mean & Median (2003-2012)	Provisional or Verified	Collection Date 12/4/2014 Dry Season Concentration	Check compared to Water Quality Criterion	Provisional or Verified
0	0	1	Dissolved Oxygen (DO)	mg/l	No Data	P	8.47	OK	V	4.45		<WQ Standard	No Data	P		<WQ Standard		No Data			<WQ Standard	V
00010 1 0	1	32	Temperature	°C	No Data	P	8.33	OK	V	25.94		OK	No Data	P		OK		No Data			OK	V
00094 1 0	2	27	Conductivity	umhos/cm	Mean: 98.6 Median: 93.5	P	191	--	V	190		--	Mean: 306.4 Median: 261	P		--		Mean: 233.5 Median: 217			--	V
00310 1 0	3	2	Biochemical Oxygen Demand (BOD ₅)	mg/l	Mean: 13.2 Median: 12	P	28	--	V	4.4		--	Mean: 28.9 Median: 23.5	P	67	--		Mean: 23.3 Median: 16			--	V
00340 1 0	4	3	Chemical Oxygen Demand (COD)	mg/l	Mean: 86.5 Median: 77	P	90	--	V	38		--	Mean: 227.2 Median: 224.5	P	120	--		Mean: 174.4 Median: 138.5			--	V
00400 1 0	5	25	pH	S.U.	Mean: 7.86 Median: 8.05	P	6.37	>WQ Standard	V	7.59		OK	Mean: 7.71 Median: 7.75	P		>WQ Standard		Mean: 7.88 Median: 7.8			>WQ Standard	V
00530 1 0	6	4	Total Suspended Solids (TSS)	mg/l	Mean: 163.2 Median: 36.5	P	39	--	V	160		--	Mean: 675.3 Median: 370	P	96	--		Mean: 1,130.5 Median: 356			--	V
00556 1 0	7	29	Oil and Grease	mg/l	No Data	P	<5.6	OK	V	ND		OK	No Data	P	7.1	OK		No Data			OK	V
00600 1 0	8	6	Total Nitrogen	mg/l	No Data	P	1.8	OK	V	2.0		OK	No Data	P	4.1	OK		No Data			OK	V
00620 1 0	9	24	Nitrate	mg/l	Mean: 0.58 Median: 0.46	P	<0.1	OK	V	0.64		OK	Mean: 0.8 Median: 0.73	P	0.58	OK		Mean: 0.85 Median: 0.67			OK	V
00625 1 0	10	7	Total Kjeldahl Nitrogen (TKN)	mg/l	No Data	P	1.8	--	V	1.4		--	No Data	P	<5.0	--		No Data			--	V
00665 1 0	11	8	Total Phosphorous	mg/l	Mean: 0.32 Median: 0.27	P	0.15	OK	V	0.33		OK	Mean: 1.05 Median: 0.81	P	0.67	OK		Mean: 1.03 Median: 0.8			OK	V
00666 1 0	12	9	Dissolved Phosphorous	mg/l	Mean: 0.18 Median: 0.19	P	0.11	--	V	0.18		--	Mean: 0.37 Median: 0.35	P	0.26	--		Mean: 0.11 Median: 0.11			--	V
00900 1 0	13	31	Hardness (as CaCO ₃)	mg/l	No Data	P	73	--	V	56		--	No Data	P	73	--		No Data			--	V
00940 1 0	14	23	Chlorides (as Cl)	mg/l	Mean: 5.9 Median: 5.3	P	1.1	OK	V	9.0		OK	Mean: 17.8 Median: 14.5	P	9.6	OK		Mean: 10.5 Median: 8.4			OK	V
00945 1 0	15	26	Sulfates	mg/l	Mean: 5.35 Median: 5.2	P	3.7	>WQ Standard	V	18		>WQ Standard	Mean: 19.4 Median: 16.2	P	10	>WQ Standard		Mean: 12.1 Median: 9.8			OK	V
01002 1 0	16	21	Arsenic	µg/l	Mean: 2 Median: 1.9	P	2	OK	V (a)	2.9		OK	Mean: 3.7 Median: 2.9	P	1.8	OK		Mean: 3.4 Median: 2.4			OK	V (a)
01025 1 0	17	11	Dissolved Cadmium	µg/l	Mean: 0.33 Median: 0.1	P	<1.0	OK	V	ND		#N/A	Mean: 0.26 Median: 0.1	P	<1.0	OK		Mean: 0.23 Median: 0.1			#N/A	V
01027 1 0	18	10	Total Cadmium	µg/l	No Data	P	<1.0	OK	V	ND		OK	No Data	P	<1.0	OK		No Data			OK	V
01032 1 0	19	20	Chromium IV (Hexavalent)	µg/l	Mean: 6 Median: 10	P	<0.5	OK	V	ND		OK	Mean: 7.5 Median: 5	P	0.54	OK		Mean: 8 Median: 10			OK	V
01033 1 0	20	19	Chromium III	µg/l	Mean: 1.05 Median: 1.5	P	<6.0	OK	V	7		>WQ Standard	Mean: 8.1 Median: 6	P	<6.0	OK		Mean: 11.3 Median: 2.9			OK	V
01040 1 0	21	13	Dissolved Copper	µg/l	Mean: 5.8 Median: 5	P	4.6	#N/A	V (a)	4		#N/A	Mean: 6.8 Median: 5.6	P	16	#N/A		Mean: 6.6 Median: 5.4			#N/A	V (a)
01042 1 0	22	12	Total Copper	µg/l	No Data	P	25	--	V (a)	14		--	No Data	P	29	--		No Data			--	V (a)
01049 1 0	23	15	Dissolved Lead	µg/l	Mean: 1.7 Median: 2	P	<1.0	OK	V (a)	1.2		#N/A	Mean: 1.9 Median: 2	P	3.1	#N/A		Mean: 1.5 Median: 2			#N/A	V (a)
01051 1 0	24	14	Total Lead	µg/l	No Data	P	1.8	--	V (a)	24		--	No Data	P	19	--		No Data			--	V (a)
01059 1 0	25	22	Thallium	µg/l	Mean: < 2 Median: < 2	P	<1.0	OK	V (a)	ND	R	OK	Mean: < 2 Median: < 2	P	<1.0	OK		Mean: < 2 Median: < 2			OK	V (a)
01090 1 0	26	17	Dissolved Zinc	µg/l	Mean: 11.6 Median: 5	P	170	#N/A	V	ND		#N/A	Mean: 40.6 Median: 12.7	P	130	#N/A		Mean: 6.6 Median: 5.4			#N/A	V
01092 1 0	27	16	Total Zinc	µg/l	No Data	P	170	--	V	110		--	No Data	P	150	--		No Data			--	V
32730 1 0	28	30	Total Phenols	µg/l	Mean: 0.2 Median: 0.15	P	69	OK	V (b)	ND	R	OK	No Data	P	<40	>WQ Standard		Mean: 0.21 Median: 0.14			OK	V (b)
70295 1 0	29	5	Total Dissolved Solids (TDS)	mg/l	Mean: 136.1 Median: 91	P	138	OK	V	186		OK	Mean: 184.7 Median: 184	P	300	OK		Mean: 172.7 Median: 156			OK	V
71900 1 0	30	18	Mercury	µg/l	Mean: <0.5 Median: <0.5	P	<0.02	OK	V	ND		OK	Mean: <0.5 Median: <0.5	P	<0.20	OK		Mean: <0.5 Median: <0.5			OK	V
74055 1 0	31	28	E coli	MPN (CFU/100 mL)	Mean: 3,248 Median: 1,750	Not Tested - Outside Hold Time		OK	V	8,664	H - exceeded 6-hr hold time	>WQ Standard	Mean: 63,608 Median: 7,873	P	15,531	>WQ Standard		Mean: 64,884 Median: 4,931	P	738	>WQ Standard	V

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DMR ID	DMR Order	Table XII.A Order	Parameter	Permit Required Units	Near Confluence with South Diversion Channel						Rio Grande Upstream				Rio Grande Near Isleta				Baffle Chute BMP Upstream			
					Collection Date 7/29/2014 Wet Season Sample	Qualifier	Check compared to Water Quality Criterion	USGS Mean & Median (only 2011-2013 data)	Provisional or Verified	Collection Date month/day/2014 Dry Season Concentration	Check compared to Water Quality Criterion	Provisional or Verified	Collection Date 7/15/2014 Wet Season Sample	Qualifier	Check compared to Water Quality Criterion	Provisional or Verified	Collection Date 7/15/2014 Wet Season Sample	Qualifier	Check compared to Water Quality Criterion	Provisional or Verified	Collection Date 7/16/2014 Wet Season	Qualifier
0	0	1	Dissolved Oxygen (DO)	mg/l	4.63		<WQ Standard	No Data			<WQ Standard	V	6.93		OK	V	6.94		OK	V	4.76	
00010 1 0	1	32	Temperature	°C	25.51		OK	No Data			OK	V	24.46		OK	V	21.8		OK	V	24.23	
00094 1 0	2	27	Conductivity	umhos/cm	280		--	Mean: 269 Median: 269			--	V	533		--	V	415		--	V	110	
00310 1 0	3	2	Biochemical Oxygen Demand (BOD ₅)	mg/l	8.2		--	Mean: 40 Median: 40			--	V	<1.36		--	V	<2.0		--	V	5.0	
00340 1 0	4	3	Chemical Oxygen Demand (COD)	mg/l	41		--	Mean: 1,478 Median: 1,478			--	V	40		--	V	27		--	V	45	
00400 1 0	5	25	pH	S.U.	7.68		OK	Mean: 7.7 Median: 7.7			>WQ Standard	V	7.71		OK	V	7.2		OK	V	8.18	
00530 1 0	6	4	Total Suspended Solids (TSS)	mg/l	20,000		--	Mean: 105,315 Median: 105,315			--	V	1,700		--	V	3,900		--	V	100	
00556 1 0	7	29	Oil and Grease	mg/l	ND		OK	No Data			OK	V	ND		OK	V	ND		OK	V	ND	
00600 1 0	8	6	Total Nitrogen	mg/l	29		OK	No Data			OK	V	2.0		OK	V	4.3		OK	V	1.5	
00620 1 0	9	24	Nitrate	mg/l	13		OK	Mean: 4 Median: 4			OK	V	0.23		OK	V	0.91		OK	V	ND	
00625 1 0	10	7	Total Kjeldahl Nitrogen (TKN)	mg/l	16		--	No Data			--	V	1.8		--	V	3.4		--	V	1.5	
00665 1 0	11	8	Total Phosphorous	mg/l	6.5		OK	Mean: 15.94 Median: 15.94			OK	V	0.78		OK	V	1.9		OK	V	0.2	
00666 1 0	12	9	Dissolved Phosphorous	mg/l	ND		--	No Data			--	V	ND		--	V	0.25		--	V	0.14	
00900 1 0	13	31	Hardness (as CaCO ₃)	mg/l	110		--	No Data			--	V	190		--	V	130		--	V	39	
00940 1 0	14	23	Chlorides (as Cl)	mg/l	4.2		OK	Mean: 12.7 Median: 12.7			OK	V	14		OK	V	20		OK	V	2.9	
00945 1 0	15	26	Sulfates	mg/l	21		>WQ Standard	Mean: 10.5 Median: 10.5			OK	V	130		>WQ Standard	V	59		>WQ Standard	V	5.1	
01002 1 0	16	21	Arsenic	µg/l	17		OK	Mean: 3.1 Median: 3.1			OK	V (a)	11		OK	V (a)	18		OK	V (a)	2.4	
01025 1 0	17	11	Dissolved Cadmium	µg/l	ND		#N/A	Mean: 0.82 Median: 0.82			#N/A	V	ND		#N/A	V	ND		#N/A	V	ND	
01027 1 0	18	10	Total Cadmium	µg/l	6		OK	No Data			OK	V	ND		OK	V	1.1		OK	V	ND	
01032 1 0	19	20	Chromium IV (Hexavalent)	µg/l	ND		OK	No Data			OK	V	ND		OK	V	ND		OK	V	ND	
01033 1 0	20	19	Chromium III	µg/l	72		>WQ Standard	No Data			OK	V	13		>WQ Standard	V	32		>WQ Standard	V	ND	
01040 1 0	21	13	Dissolved Copper	µg/l	2.6		#N/A	Mean: 5.4 Median: 5.4			#N/A	V (a)	1.4		#N/A	V (a)	2		#N/A	V (a)	4	
01042 1 0	22	12	Total Copper	µg/l	130		--	No Data			--	V (a)	14		--	V (a)	34		--	V (a)	9.9	
01049 1 0	23	15	Dissolved Lead	µg/l	ND	R	#N/A	Mean: < 2 Median: < 2			#N/A	V (a)	ND	R	#N/A	V (a)	ND	R	#N/A	V (a)	ND	R
01051 1 0	24	14	Total Lead	µg/l	160		--	No Data			--	V (a)	14	R	--	V (a)	42		--	V (a)	7.1	
01059 1 0	25	22	Thallium	µg/l	ND	R	OK	Mean: < 2 Median: < 2			OK	V (a)	ND	R	OK	V (a)	ND	R	OK	V (a)	ND	R
01090 1 0	26	17	Dissolved Zinc	µg/l	14		#N/A	Mean: < 5 Median: < 5			#N/A	V	ND		#N/A	V	ND		#N/A	V	ND	
01092 1 0	27	16	Total Zinc	µg/l	460		--	No Data			--	V	51		--	V	180		--	V	48	
32730 1 0	28	30	Total Phenols	µg/l	ND	R	OK	No Data			OK	V (b)	ND	R	OK	V (b)	ND	R	OK	V (b)	ND	R
70295 1 0	29	5	Total Dissolved Solids (TDS)	mg/l	520		OK	Mean: 250 Median: 250			OK	V	810		OK	V	470		OK	V	131	
71900 1 0	30	18	Mercury	µg/l	ND		OK	Mean: <0.5 Median: <0.5			OK	V	ND		OK	V	ND		OK	V	ND	
74055 1 0	31	28	E coli	MPN (CFU/100 mL)	4,106	H - exceeded 6-hr hold time	>WQ Standard	Mean: 10,051 Median: 2,087			OK	V	2,489		>WQ Standard	V	1,354		>WQ Standard	V	>2,419.6	H - exceeded 6-hr hold time

Data Verification/Validation and Qualifier Notes

- (a) The laboratory MQL was 1.0 ug/L, which is above the pe
- (b) The laboratory PQL was 50 ug/L, which is above the per
- (c) The laboratory PQL was 10 ug/L, and the MDL was 3 ug
- (d) The laboratory PQL was 50 ug/L, which is above the per
- (e) The laboratory PQL was 1 ug/L, and the MDL was 5 ug/

- (R) The sample results are unusable because certain criteri
- (H) Sample holding time exceeded.

Notes:

- 1. USGS mean value from draft "Summary of Urban Runoff
- 2. Wet Season monitoring period - June 1 to Sept 30.
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Baffle Chute BMP Downstream											
DMR ID	DMR Order	Table XII.A Order	Parameter	Permit Required Units	Check compared to Water Quality Criterion	USGS Mean & Median (only 2013)	Provisional or Verified	Collection Date 7/16/2014 Wet Season Sample	Qualifier	Check compared to Water Quality Criterion	USGS Mean & Median (only 2013)
0	0	1	Dissolved Oxygen (DO)	mg/l	<WQ Standard	No Data	V	4.2		<WQ Standard	No Data
00010 1 0	1	32	Temperature	°C	OK	No Data	V	24.42		OK	No Data
00094 1 0	2	27	Conductivity	umhos/cm	--	Mean: 189 Median: 201	V	159		--	Mean: 197 Median: 199
00310 1 0	3	2	Biochemical Oxygen Demand (BOD ₅)	mg/l	--	Mean: 9.8 Median: 6	V	3.8		--	Mean: 9.4 Median: 6
00340 1 0	4	3	Chemical Oxygen Demand (COD)	mg/l	--	Mean: 104 Median: 79	V	53		--	Mean: 90.7 Median: 80
00400 1 0	5	25	pH	S.U.	OK	Mean: 7.7 Median: 7.7	V	7.72		OK	Mean: 7.7 Median: 7.7
00530 1 0	6	4	Total Suspended Solids (TSS)	mg/l	--	Mean: 286 Median: 424	V	16		--	Mean: 104 Median: 14
00556 1 0	7	29	Oil and Grease	mg/l	OK	No Data	V	ND		OK	No Data
00600 1 0	8	6	Total Nitrogen	mg/l	OK	No Data	V	1.3		OK	No Data
00620 1 0	9	24	Nitrate	mg/l	OK	Mean: 0.38 Median: 0.37	V	ND		OK	Mean: 0.36 Median: 0.29
00625 1 0	10	7	Total Kjeldahl Nitrogen (TKN)	mg/l	--	No Data	V	1.3		--	No Data
00665 1 0	11	8	Total Phosphorous	mg/l	OK	Mean: 0.39 Median: 0.25	V	0.48		OK	Mean: 0.46 Median: 0.46
00666 1 0	12	9	Dissolved Phosphorous	mg/l	--	Mean: 0.09 Median: 0.09	V	0.38		--	No Data
00900 1 0	13	31	Hardness (as CaCO ₃)	mg/l	--	No Data	V	61		--	No Data
00940 1 0	14	23	Chlorides (as Cl)	mg/l	OK	Mean: 11.8 Median: 10.6	V	3.6		OK	Mean: 14.1 Median: 12.1
00945 1 0	15	26	Sulfates	mg/l	>WQ Standard	Mean: 10.5 Median: 9.5	V	3.9		>WQ Standard	Mean: 10.7 Median: 9
01002 1 0	16	21	Arsenic	µg/l	OK	Mean: 3.07 Median: 2	V (a)	3.7		OK	Mean: 5.7 Median: 5.6
01025 1 0	17	11	Dissolved Cadmium	µg/l	#N/A	Mean: 0.1 Median: 0.1	V	ND		#N/A	Mean: < 0.1 Median: < 0.1
01027 1 0	18	10	Total Cadmium	µg/l	OK	No Data	V	ND		OK	No Data
01032 1 0	19	20	Chromium IV (Hexavalent)	µg/l	OK	No Data	V	ND		OK	No Data
01033 1 0	20	19	Chromium III	µg/l	OK	Mean: 1.07 Median: 1	V	ND		OK	Mean: 1.23 Median: 1
01040 1 0	21	13	Dissolved Copper	µg/l	#N/A	Mean: 5.7 Median: 5	V (a)	3.1		#N/A	Mean: 5.3 Median: 5
01042 1 0	22	12	Total Copper	µg/l	--	No Data	V (a)	6.2		--	No Data
01049 1 0	23	15	Dissolved Lead	µg/l	#N/A	Mean: < 2 Median: < 2	V (a)	ND	R	#N/A	Mean: < 2 Median: < 2
01051 1 0	24	14	Total Lead	µg/l	--	No Data	V (a)	2.6		--	No Data
01059 1 0	25	22	Thallium	µg/l	OK	Mean: < 2 Median: < 2	V (a)	ND	R	OK	Mean: < 2 Median: < 2
01090 1 0	26	17	Dissolved Zinc	µg/l	#N/A	Mean: 20.9 Median: 21.3	V	130		#N/A	Mean: 20.4 Median: 21
01092 1 0	27	16	Total Zinc	µg/l	--	No Data	V	31		--	No Data
32730 1 0	28	30	Total Phenols	µg/l	OK	No Data	V (b)	ND	R	OK	No Data
70295 1 0	29	5	Total Dissolved Solids (TDS)	mg/l	OK	Mean: 140.7 Median: 141	V	138		OK	Mean: 172.3 Median: 170
71900 1 0	30	18	Mercury	µg/l	OK	Mean: <0.5 Median: <0.5	V	ND		OK	Mean: <0.5 Median: <0.5
74055 1 0	31	28	E coli	MPN (CFU/100 mL)	>WQ Standard	Mean: 1,986 Median: 1,986	V	>2,419.6	H - exceeded 6-hr hold time	>WQ Standard	Mean: 7,326.5 Median: 7,326.5

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