

Lead and Copper Summary Report 2018

Lead and Copper Tap Sample Analysis and Result Ranking

Reporting Format 62-550.730(4)(a)

System ID: <u>City of Pembroke Pines</u>	Date Submitted to Lab: <u>3/6,7,8,9,13,14,15,17,19,22,27,28,30-4/4,5,7,10,13,18,19,22/2018</u>
PWS-ID: <u>4061083</u>	Analysis Date: <u>3/8,14,21,26,-4/2,5,11,17,23-05/23/2018</u>
Laboratory Name: <u>Florida-Spectrum Environmental Services, Inc</u>	Lab Analysis Method: <u>EPA 200.8</u>
Lab-ID: <u>E86006</u>	Lead or Copper (list one): <u>Lead</u>
Contact Name: <u>Enrique Ochoa/Juquitta Drieth</u>	Method Detection Limit: <u>0.0000562</u>
Phone: <u>954.978.6400</u>	90th Percentile Value: <u>0.0020100</u>

A	RANK	LOCATION CODE		LAB SAMPLE ID	DATE SITE SAMPLED	LEAD (mg/L)	COPPER (mg/L)
		NO	TIER				
	1	No-117	Tier-1	18C0333-07	03/09/2018	0.0000562	
	2	No-59	Tier-1	18C0886-02	03/27/2018	0.0000562	
	3	No-130	Tier-1	18D0177-02	04/05/2018	0.0000562	
	4	No-76	Tier-1	18C1032-03	03/29/2018	0.0000692	
	5	No-11	Tier-1	18D0647-09	04/17/2018	0.0000754	
	6	No-44	Tier-1	18D0326-05	04/10/2018	0.0000796	
	7	No-136	Tier-1	18C0621-02	03/19/2018	0.0000832	
	8	No-72	Tier-1	18C1032-05	03/29/2018	0.0000832	
	9	No-09	Tier-1	18C0229-03	03/06/2018	0.0000842	
	10	No-137	Tier-1	18D0647-13	04/18/2018	0.0000980	
	11	No-114	Tier-1	18C0333-03	03/09/2018	0.0000989	
	12	No-30	Tier-1	18C0467-02	03/14/2018	0.000102	
	13	No-49	Tier-1	18D0647-10	04/17/2018	0.000104	
	14	No-103	Tier-1	18C0529-02	03/14/2018	0.000109	
	15	No-151	Tier-1	18D0647-14	04/18/2018	0.000123	
	16	No-61	Tier-1	18C0207-02	03/07/2018	0.000124	
	17	No-68	Tier-1	18C0962-01	03/28/2018	0.000128	
	18	No 52	Tier-1	18C0774-01	03/21/2018	0.000155	
	19	No-119	Tier-1	18C0333-06	03/09/2018	0.000162	
	20	No-65	Tier-1	18C1032-06	03/29/2018	0.000172	
	21	No-89	Tier-1	18C0886-04	03/27/2018	0.000198	
	22	No-115	Tier-1	18C0289-01	03/08/2018	0.000200	
	23	No-10	Tier-1	18C0202-01	03/06/2018	0.000227	
	24	No-111	Tier-1	18D0647-05	04/17/2018	0.000229	
	25	No-95	Tier-1	18D0236-12	04/06/2018	0.000251	

CERTIFICATION: The tap samples used for lead and copper analyses were submitted by the above PWS. Each sample container had one liter or solution (± 100 mL). All samples were taken properly by the above system and analyzed in accordance with the requirements in Chapter 10D-41, F.A.C. The sampling dates were reported for each sample received. I hereby certify that all data submitted are correct.

SIGNATURE OF AUTHORIZED LABORATORY REPRESENTATIVE:  _____

NAME (Please Print): Enrique Ochoa

TITLE and DATE: CSM 7/10/2018

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26	No-01	Tier-1	18C0229-04	03/06/2018	0.000254	
27	No-29	Tier-1	18D0236-04	04/06/2018	0.000257	
28	No-25	Tier-1	18C0467-03	03/14/2018	0.000269	
29	No-57	Tier-1	18D0326-03	04/07/2018	0.000275	
30	No-75	Tier-1	18C0962-02	03/28/2018	0.000279	
31	No-39	Tier-1	18C0529-03	03/14/2018	0.000293	
32	No-46	Tier-1	18C0529-01	03/14/2018	0.000295	
33	No-106	Tier-1	18C0529-05	03/14/2018	0.000295	
34	No-141	Tier-1	18C0333-04	03/09/2018	0.000298	
35	No-150	Tier-1	18C0962-03	03/28/2018	0.000301	
36	No-129	Tier-1	18D0647-07	04/17/2018	0.000307	
37	No-2	Tier-1	18C0202-04	03/06/2018	0.000313	
38	No-32	Tier-1	18D0647-03	04/17/2018	0.000313	
39	No-71	Tier-1	18C1032-02	03/29/2018	0.000317	
40	No-03	Tier-1	18C0207-01	03/07/2018	0.000327	
41	No-40	Tier-1	18D0647-12	04/18/2018	0.000333	
42	No-73	Tier-1	18C1032-04	03/29/2018	0.000389	
43	No-36	Tier-1	18C0529-04	03/14/2018	0.000405	
44	No-64	Tier-1	18D0054-02	04/02/2018	0.000438	
45	No-23	Tier-1	18C1032-09	03/30/2018	0.000441	
46	No-7	Tier-1	18C0202-02	03/06/2018	0.000452	
47	No-134	Tier-1	18E0733-01	05/22/2018	0.000465	
48	No-62	Tier-1	18C0467-01	03/14/2018	0.000466	
49	No-90	Tier-1	18D0326-04	04/09/2018	0.000473	
50	No-140	Tier-1	18C0333-01	03/09/2018	0.000475	
51	No-15	Tier-1	18C0529-06	03/14/2018	0.000476	
52	No-112	Tier-1	18C0333-02	03/09/2018	0.000478	
53	No-94	Tier-1	18D0326-06	04/09/2018	0.000482	
54	No-55	Tier-1	18C0584-01	03/16/2018	0.000490	
55	No-26	Tier-1	18C0962-07	03/28/2018	0.000499	
56	No-132	Tier-1	18C0333-09	03/09/2018	0.000520	
57	No-131	Tier-1	18C0422-01	03/10/2018	0.000522	
58	No-97	Tier-1	18D0236-13	04/06/2018	0.000590	
59	No-21	Tier-1	18D0177-01	04/04/2018	0.000626	

CERTIFICATION: The tap samples used for lead and copper analyses were submitted by the above PWS. Each sample container had one liter or solution ($\pm 100\text{mL}$). All samples were taken properly by the above system and analyzed in accordance with the requirements in Chapter 10D-41, F.A.C. The sampling dates were reported for each sample received. I hereby certify that all data submitted are correct.

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60	No-34	Tier-1	18D0236-05	04/06/2018	0.000628
61	No-79	Tier-1	18D0326-02	04/08/2018	0.000638
62	No-138	Tier-1	18D0647-11	04/18/2018	0.000688
63	No-105	Tier-1	18D0647-06	04/17/2018	0.000706
64	No-101	Tier-1	18D0647-01	04/17/2018	0.000714
65	No-45	Tier-1	18C0962-06	03/28/2018	0.000743
66	No-18	Tier-1	18C0962-04	03/28/2018	0.000827
67	No-69	Tier-1	18C0962-09	03/28/2018	0.000871
68	No-92	Tier-1	18D0326-01	04/08/2018	0.000874
69	No-43	Tier-1	18C0584-02	03/16/2018	0.000875
70	No-70	Tier-1	18C1032-07	03/29/2018	0.000914
71	No-77	Tier-1	18C0886-03	03/27/2018	0.000931
72	No-86	Tier-1	18D0236-08	04/06/2018	0.000948
73	No-54	Tier-1	18C0886-01	03/27/2018	0.000951
74	No-102	Tier-1	18D0236-06	04/06/2018	0.000954
75	No-110	Tier-1	18C0886-05	03/27/2018	0.00101
76	No-120	Tier-1	18C0333-08	03/09/2018	0.00102
77	No-116	Tier-1	18C1032-01	03/29/2018	0.00107
78	No-66	Tier-1	18C0962-10	03/28/2018	0.00109
79	No-06	Tier-1	18C0229-01	03/06/2018	0.00112
80	No-135	Tier-1	18C0289-02	03/07/2018	0.00112
81	No-81	Tier-1	18D0236-01	04/06/2018	0.00117
82	No-42	Tier-1	18D0236-11	04/06/2018	0.00122
83	No-100	Tier-1	18C1032-08	03/30/2018	0.00124
84	No-123	Tier-1	18D0647-08	04/17/2018	0.00144
85	No-35	Tier-1	18D0236-10	04/06/2018	0.00150
86	No-60	Tier-1	18C1032-10	03/30/2018	0.00154
87	No-88	Tier-1	18D0236-09	04/06/2018	0.00156
88	No-84	Tier-1	18D0116-01	03/30/2018	0.00157
89	No-28	Tier-1	18D0236-02	04/06/2018	0.00157
90	No-74	Tier-1	18D0054-01	03/30/2018	0.00174
91	No-37	Tier-1	18D0647-02	04/17/2018	0.00180
92	No-20	Tier-1	18C0621-01	03/17/2018	0.00181
93	No-87	Tier-1	18D0236-07	04/06/2018	0.00201

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94	No-96	Tier-1	18D0483-01	04/12/2018	0.00217	
95	No-53	Tier-1	18C0202-03	03/06/2018	0.00220	
96	No-38	Tier-1	18D0647-04	04/17/2018	0.00234	
97	No-148	Tier-1	18C0962-05	03/28/2018	0.00275	
98	No-08	Tier-1	18C0229-02	03/06/2018	0.00303	
99	No-78	Tier-1	18D0236-03	04/06/2018	0.00346	
100	No-122	Tier-1	18C0333-05	03/09/2018	0.00350	
101	No-56	Tier-1	18C0202-05	03/06/2018	0.00354	
102	No-83	Tier-1	18D0683-01	04/19/2018	0.00637	
103	No-19	Tier-1	18C0962-08	03/28/2018	0.0100	

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PWS-ID: <u>4061083</u>	Analysis Date: <u>3/8,14,21,26,-4/2,5,11,17,23-05/23/2018</u>
Laboratory Name: <u>Florida-Spectrum Environmental Services, Inc</u>	Lab Analysis Method: <u>EPA 200.8</u>
Lab-ID: <u>E86006</u>	Lead or Copper (list one): <u>Copper</u>
Contact Name: <u>Enrique Ochoa/Juquitta Drieth</u>	Method Detection Limit: <u>0.000365</u>
Phone: <u>954.978.6400</u>	90th Percentile Value: <u>0.06610</u>

A	RANK	LOCATION CODE		LAB SAMPLE ID	DATE SITE SAMPLED	LEAD (mg/L)	COPPER (mg/L)
		NO	TIER				
	1	No-11	Tier-1	18D0647-09	04/17/2018		0.00125
	2	No-89	Tier-1	18C0886-04	03/27/2018		0.00126
	3	No-137	Tier-1	18D0647-13	04/18/2018		0.00152
	4	No-59	Tier-1	18C0886-02	03/27/2018		0.00163
	5	No-117	Tier-1	18C0333-07	03/09/2018		0.00188
	6	No-76	Tier-1	18C1032-03	03/29/2018		0.00202
	7	No-49	Tier-1	18D0647-10	04/17/2018		0.00228
	8	No-30	Tier-1	18C0467-02	03/14/2018		0.00244
	9	No-09	Tier-1	18C0229-03	03/06/2018		0.00294
	10	No-119	Tier-1	18C0333-06	03/09/2018		0.00331
	11	No-103	Tier-1	18C0529-02	03/14/2018		0.00388
	12	No-150	Tier-1	18C0962-03	03/28/2018		0.00418
	13	No-151	Tier-1	18D0647-14	04/18/2018		0.00452
	14	No-54	Tier-1	18C0886-01	03/27/2018		0.00474
	15	No-136	Tier-1	18C0621-02	03/19/2018		0.00493
	16	No-114	Tier-1	18C0333-03	03/09/2018		0.00499
	17	No-75	Tier-1	18C0962-02	03/28/2018		0.00508
	18	No-120	Tier-1	18C0333-08	03/09/2018		0.00513
	19	No-101	Tier-1	18D0647-01	04/17/2018		0.00538
	20	No-26	Tier-1	18C0962-07	03/28/2018		0.00605
	21	No-44	Tier-1	18D0326-05	04/10/2018		0.00667
	22	No-39	Tier-1	18C0529-03	03/14/2018		0.00674
	23	No-134	Tier-1	18E0733-01	05/22/2018		0.00731
	24	No-61	Tier-1	18C0207-02	03/07/2018		0.00765
	25	No-87	Tier-1	18D0236-07	04/06/2018		0.00765

CERTIFICATION: The tap samples used for lead and copper analyses were submitted by the above PWS. Each sample container had one liter or solution (± 100 mL). All samples were taken properly by the above system and analyzed in accordance with the requirements in Chapter 10D-41, F.A.C. The sampling dates were reported for each sample received. I hereby certify that all data submitted are correct.

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26	No-18	Tier-1	18C0962-04	03/28/2018		0.00796
27	No 52	Tier-1	18C0774-01	03/21/2018		0.00869
28	No-29	Tier-1	18D0236-04	04/06/2018		0.00878
29	No-112	Tier-1	18C0333-02	03/09/2018		0.00881
30	No-10	Tier-1	18C0202-01	03/06/2018		0.00892
31	No-68	Tier-1	18C0962-01	03/28/2018		0.00916
32	No-35	Tier-1	18D0236-10	04/06/2018		0.00998
33	No-25	Tier-1	18C0467-03	03/14/2018		0.0122
34	No-56	Tier-1	18C0202-05	03/06/2018		0.0123
35	No-15	Tier-1	18C0529-06	03/14/2018		0.0123
36	No-65	Tier-1	18C1032-06	03/29/2018		0.0125
37	No-03	Tier-1	18C0207-01	03/07/2018		0.0128
38	No-132	Tier-1	18C0333-09	03/09/2018		0.0134
39	No-71	Tier-1	18C1032-02	03/29/2018		0.0135
40	No-106	Tier-1	18C0529-05	03/14/2018		0.0139
41	No-73	Tier-1	18C1032-04	03/29/2018		0.0143
42	No-92	Tier-1	18D0326-01	04/08/2018		0.0152
43	No-115	Tier-1	18C0289-01	03/08/2018		0.0153
44	No-116	Tier-1	18C1032-01	03/29/2018		0.0153
45	No-62	Tier-1	18C0467-01	03/14/2018		0.0162
46	No-141	Tier-1	18C0333-04	03/09/2018		0.0164
47	No-110	Tier-1	18C0886-05	03/27/2018		0.0172
48	No-69	Tier-1	18C0962-09	03/28/2018		0.0181
49	No-64	Tier-1	18D0054-02	04/02/2018		0.0185
50	No-140	Tier-1	18C0333-01	03/09/2018		0.0188
51	No-7	Tier-1	18C0202-02	03/06/2018		0.0191
52	No-135	Tier-1	18C0289-02	03/07/2018		0.0197
53	No-57	Tier-1	18D0326-03	04/07/2018		0.0207
54	No-55	Tier-1	18C0584-01	03/16/2018		0.0208
55	No-95	Tier-1	18D0236-12	04/06/2018		0.0217
56	No-23	Tier-1	18C1032-09	03/30/2018		0.0219
57	No-138	Tier-1	18D0647-11	04/18/2018		0.0222
58	No-148	Tier-1	18C0962-05	03/28/2018		0.0223
59	No-83	Tier-1	18D0683-01	04/19/2018		0.0224

CERTIFICATION: The tap samples used for lead and copper analyses were submitted by the above PWS. Each sample container had one liter or solution ($\pm 100\text{mL}$). All samples were taken properly by the above system and analyzed in accordance with the requirements in Chapter 10D-41, F.A.C. The sampling dates were reported for each sample received. I hereby certify that all data submitted are correct.

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60	No-102	Tier-1	18D0236-06	04/06/2018	0.0225
61	No-100	Tier-1	18C1032-08	03/30/2018	0.0227
62	No-2	Tier-1	18C0202-04	03/06/2018	0.0236
63	No-111	Tier-1	18D0647-05	04/17/2018	0.0251
64	No-37	Tier-1	18D0647-02	04/17/2018	0.0264
65	No-131	Tier-1	18C0422-01	03/10/2018	0.0268
66	No-40	Tier-1	18D0647-12	04/18/2018	0.0273
67	No-72	Tier-1	18C1032-05	03/29/2018	0.0281
68	No-86	Tier-1	18D0236-08	04/06/2018	0.0288
69	No-96	Tier-1	18D0483-01	04/12/2018	0.0293
70	No-90	Tier-1	18D0326-04	04/09/2018	0.0295
71	No-122	Tier-1	18C0333-05	03/09/2018	0.0310
72	No-88	Tier-1	18D0236-09	04/06/2018	0.0311
73	No-32	Tier-1	18D0647-03	04/17/2018	0.0315
74	No-94	Tier-1	18D0326-06	04/09/2018	0.0318
75	No-20	Tier-1	18C0621-01	03/17/2018	0.0327
76	No-34	Tier-1	18D0236-05	04/06/2018	0.0329
77	No-81	Tier-1	18D0236-01	04/06/2018	0.0352
78	No-46	Tier-1	18C0529-01	03/14/2018	0.0363
79	No-105	Tier-1	18D0647-06	04/17/2018	0.0373
80	No-21	Tier-1	18D0177-01	04/04/2018	0.0383
81	No-08	Tier-1	18C0229-02	03/06/2018	0.0390
82	No-60	Tier-1	18C1032-10	03/30/2018	0.0393
83	No-28	Tier-1	18D0236-02	04/06/2018	0.0426
84	No-53	Tier-1	18C0202-03	03/06/2018	0.0429
85	No-42	Tier-1	18D0236-11	04/06/2018	0.0429
86	No-77	Tier-1	18C0886-03	03/27/2018	0.0439
87	No-129	Tier-1	18D0647-07	04/17/2018	0.0450
88	No-66	Tier-1	18C0962-10	03/28/2018	0.0500
89	No-123	Tier-1	18D0647-08	04/17/2018	0.0518
90	No-38	Tier-1	18D0647-04	04/17/2018	0.0522
91	No-84	Tier-1	18D0116-01	03/30/2018	0.0615
92	No-01	Tier-1	18C0229-04	03/06/2018	0.0658
93	No-43	Tier-1	18C0584-02	03/16/2018	0.0661

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94	No-97	Tier-1	18D0236-13	04/06/2018	0.0665
95	No-130	Tier-1	18D0177-02	04/05/2018	0.0729
96	No-78	Tier-1	18D0236-03	04/06/2018	0.0764
97	No-19	Tier-1	18C0962-08	03/28/2018	0.0789
98	No-06	Tier-1	18C0229-01	03/06/2018	0.0832
99	No-70	Tier-1	18C1032-07	03/29/2018	0.0895
100	No-74	Tier-1	18D0054-01	03/30/2018	0.122
101	No-36	Tier-1	18C0529-04	03/14/2018	0.135
102	No-45	Tier-1	18C0962-06	03/28/2018	0.141
103	No-79	Tier-1	18D0326-02	04/08/2018	0.165

CERTIFICATION: The tap samples used for lead and copper analyses were submitted by the above PWS. Each sample container had one liter or solution ($\pm 100\text{mL}$). All samples were taken properly by the above system and analyzed in accordance with the requirements in Chapter 10D-41, F.A.C. The sampling dates were reported for each sample received. I hereby certify that all data submitted are correct.

SIGNATURE OF AUTHORIZED LABORATORY REPRESENTATIVE: _____



NAME (Please Print): Enrique Ochoa

TITLE and DATE: CSM 7/10/2018