



Environmental Chemists, Inc.

6602 Windmill Way, Wilmington, NC 28405 • 910.392.0223 Lab • 910.392.4424 Fax
710 Bowsertown Road, Manteo, NC 27954 • 252.473.5702 Lab/Fax
255-A Wilmington Highway, Jacksonville, NC 28540 • 910.347.5843 Lab/Fax

ANALYTICAL & CONSULTING CHEMISTS

info@environmentalchemists.com

CMC Main
1705 Gardner Drive
Wilmington NC 28405
Attention: Keith Bouchoville

Date of Report: Aug 19, 2015
Customer PO #:
Customer ID: 15030034
Report #: 2015-10786
Project ID: Water Study Testing

Lab ID	Sample ID: CMC-Wilmington VA	Collect Date/Time	Matrix	Sampled by
15-25537	Site: 1037 Kitchen	8/17/2015 6:09 AM	DW	jay baker

Test	Method	Results	Date Analyzed
Iron	EPA 200.7	<0.060 mg/L	08/18/2015
Manganese	EPA 200.7	<0.010 mg/L	08/18/2015
Zinc	EPA 200.7	<1.0 mg/L	08/18/2015
Copper	EPA 200.8	0.386 mg/L	08/18/2015
Lead	EPA 200.8	<0.003 mg/L	08/18/2015

Lab ID	Sample ID: CMC-Wilmington VA	Collect Date/Time	Matrix	Sampled by
15-25538	Site: 1058 dental kitchen	8/17/2015 6:11 AM	DW	jay baker

Test	Method	Results	Date Analyzed
Iron	EPA 200.7	<0.060 mg/L	08/18/2015
Manganese	EPA 200.7	<0.010 mg/L	08/18/2015
Zinc	EPA 200.7	<1.0 mg/L	08/18/2015
Copper	EPA 200.8	0.556 mg/L	08/18/2015
Lead	EPA 200.8	<0.003 mg/L	08/18/2015

Lab ID	Sample ID: CMC-Wilmington VA	Collect Date/Time	Matrix	Sampled by
15-25539	Site: Dental OP5 right	8/17/2015 6:13 AM	DW	jay baker

Test	Method	Results	Date Analyzed
Iron	EPA 200.7	<0.060 mg/L	08/18/2015
Manganese	EPA 200.7	<0.010 mg/L	08/18/2015
Zinc	EPA 200.7	<1.0 mg/L	08/18/2015
Copper	EPA 200.8	0.719 mg/L	08/18/2015
Lead	EPA 200.8	<0.003 mg/L	08/18/2015



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Customer PO #:
Customer ID: 15030034
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Project ID: Water Study Testing

Lab ID	Sample ID: CMC-Wilmington VA	Collect Date/Time	Matrix	Sampled by
15-25540	Site: Dental OP5 left	8/17/2015 6:14 AM	DW	jay baker

Test	Method	Results	Date Analyzed
Iron	EPA 200.7	<0.060 mg/L	08/18/2015
Manganese	EPA 200.7	<0.010 mg/L	08/18/2015
Zinc	EPA 200.7	<1.0 mg/L	08/18/2015
Copper	EPA 200.8	0.704 mg/L	08/18/2015
Lead	EPA 200.8	<0.003 mg/L	08/18/2015

Lab ID	Sample ID: CMC-Wilmington VA	Collect Date/Time	Matrix	Sampled by
15-25541	Site: Dental OP4 left	8/17/2015 6:15 AM	DW	jay baker

Test	Method	Results	Date Analyzed
Iron	EPA 200.7	<0.060 mg/L	08/18/2015
Manganese	EPA 200.7	<0.010 mg/L	08/18/2015
Zinc	EPA 200.7	<1.0 mg/L	08/18/2015
Copper	EPA 200.8	0.969 mg/L	08/18/2015
Lead	EPA 200.8	<0.003 mg/L	08/18/2015

Lab ID	Sample ID: CMC-Wilmington VA	Collect Date/Time	Matrix	Sampled by
15-25542	Site: Dental OP4 right	8/17/2015 6:16 AM	DW	jay baker

Test	Method	Results	Date Analyzed
Iron	EPA 200.7	<0.060 mg/L	08/18/2015
Manganese	EPA 200.7	<0.010 mg/L	08/18/2015
Zinc	EPA 200.7	<1.0 mg/L	08/18/2015
Copper	EPA 200.8	0.831 mg/L	08/18/2015
Lead	EPA 200.8	<0.003 mg/L	08/18/2015



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Customer ID: 15030034
Report #: 2015-10786
Project ID: Water Study Testing

Lab ID	Sample ID: CMC-Wilmington VA	Collect Date/Time	Matrix	Sampled by
15-25543	Site: Dental OP3 left	8/17/2015 6:17 AM	DW	jay baker

Test	Method	Results	Date Analyzed
Iron	EPA 200.7	<0.060 mg/L	08/18/2015
Manganese	EPA 200.7	<0.010 mg/L	08/18/2015
Zinc	EPA 200.7	<1.0 mg/L	08/18/2015
Copper	EPA 200.8	0.479 mg/L	08/18/2015
Lead	EPA 200.8	<0.003 mg/L	08/18/2015

Lab ID	Sample ID: CMC-Wilmington VA	Collect Date/Time	Matrix	Sampled by
15-25544	Site: Dental OP3 right	8/17/2015 6:17 AM	DW	jay baker

Test	Method	Results	Date Analyzed
Iron	EPA 200.7	<0.060 mg/L	08/18/2015
Manganese	EPA 200.7	<0.010 mg/L	08/18/2015
Zinc	EPA 200.7	<1.0 mg/L	08/18/2015
Copper	EPA 200.8	0.999 mg/L	08/18/2015
Lead	EPA 200.8	<0.003 mg/L	08/18/2015

Lab ID	Sample ID: CMC-Wilmington VA	Collect Date/Time	Matrix	Sampled by
15-25545	Site: Dental OP2 left	8/17/2015 6:19 AM	DW	jay baker

Test	Method	Results	Date Analyzed
Iron	EPA 200.7	<0.060 mg/L	08/18/2015
Manganese	EPA 200.7	<0.010 mg/L	08/18/2015
Zinc	EPA 200.7	<1.0 mg/L	08/18/2015
Copper	EPA 200.8	0.813 mg/L	08/18/2015
Lead	EPA 200.8	<0.003 mg/L	08/18/2015



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Lab ID	Sample ID: CMC-Wilmington VA	Collect Date/Time	Matrix	Sampled by
15-25546	Site: Dental OP2 right	8/17/2015 6:20 AM	DW	jay baker

Test	Method	Results	Date Analyzed
Iron	EPA 200.7	<0.060 mg/L	08/18/2015
Manganese	EPA 200.7	<0.010 mg/L	08/18/2015
Zinc	EPA 200.7	<1.0 mg/L	08/18/2015
Copper	EPA 200.8	0.710 mg/L	08/18/2015
Lead	EPA 200.8	<0.003 mg/L	08/18/2015

Lab ID	Sample ID: CMC-Wilmington VA	Collect Date/Time	Matrix	Sampled by
15-25547	Site: Dental OP1 left	8/17/2015 6:21 AM	DW	jay baker

Test	Method	Results	Date Analyzed
Iron	EPA 200.7	<0.060 mg/L	08/18/2015
Manganese	EPA 200.7	<0.010 mg/L	08/18/2015
Zinc	EPA 200.7	<1.0 mg/L	08/18/2015
Copper	EPA 200.8	0.386 mg/L	08/18/2015
Lead	EPA 200.8	<0.003 mg/L	08/18/2015

Lab ID	Sample ID: CMC-Wilmington VA	Collect Date/Time	Matrix	Sampled by
15-25548	Site: Dental OP1 right	8/17/2015 6:22 AM	DW	jay baker

Test	Method	Results	Date Analyzed
Iron	EPA 200.7	<0.060 mg/L	08/18/2015
Manganese	EPA 200.7	<0.010 mg/L	08/18/2015
Zinc	EPA 200.7	<1.0 mg/L	08/18/2015
Copper	EPA 200.8	0.688 mg/L	08/18/2015
Lead	EPA 200.8	<0.003 mg/L	08/18/2015



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Customer ID: 15030034
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Project ID: Water Study Testing

Lab ID	Sample ID: CMC-Wilmington VA	Collect Date/Time	Matrix	Sampled by
15-25549	Site: Dental Hygiene left	8/17/2015 6:23 AM	DW	jay baker

Test	Method	Results	Date Analyzed
Iron	EPA 200.7	<0.060 mg/L	08/18/2015
Manganese	EPA 200.7	<0.010 mg/L	08/18/2015
Zinc	EPA 200.7	<1.0 mg/L	08/18/2015
Copper	EPA 200.8	0.417 mg/L	08/18/2015
Lead	EPA 200.8	<0.003 mg/L	08/18/2015

Lab ID	Sample ID: CMC-Wilmington VA	Collect Date/Time	Matrix	Sampled by
15-25550	Site: Dental Hygiene right	8/17/2015 6:24 AM	DW	jay baker

Test	Method	Results	Date Analyzed
Iron	EPA 200.7	<0.060 mg/L	08/18/2015
Manganese	EPA 200.7	<0.010 mg/L	08/18/2015
Zinc	EPA 200.7	<1.0 mg/L	08/18/2015
Copper	EPA 200.8	1.20 mg/L	08/18/2015
Lead	EPA 200.8	<0.003 mg/L	08/18/2015

Lab ID	Sample ID: CMC-Wilmington VA	Collect Date/Time	Matrix	Sampled by
15-25551	Site: Dental Lab right	8/17/2015 6:26 AM	DW	jay baker

Test	Method	Results	Date Analyzed
Iron	EPA 200.7	<0.060 mg/L	08/18/2015
Manganese	EPA 200.7	<0.010 mg/L	08/18/2015
Zinc	EPA 200.7	<1.0 mg/L	08/18/2015
Copper	EPA 200.8	0.419 mg/L	08/18/2015
Lead	EPA 200.8	<0.003 mg/L	08/18/2015



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Lab ID	Sample ID: CMC-Wilmington VA	Collect Date/Time	Matrix	Sampled by
15-25552	Site: Dental Lab left	8/17/2015 6:27 AM	DW	jay baker

Test	Method	Results	Date Analyzed
Iron	EPA 200.7	<0.060 mg/L	08/18/2015
Manganese	EPA 200.7	<0.010 mg/L	08/18/2015
Zinc	EPA 200.7	<1.0 mg/L	08/18/2015
Copper	EPA 200.8	0.409 mg/L	08/18/2015
Lead	EPA 200.8	<0.003 mg/L	08/18/2015

Lab ID	Sample ID: CMC-Wilmington VA	Collect Date/Time	Matrix	Sampled by
15-25553	Site: 1164 Kitchen	8/17/2015 6:29 AM	DW	jay baker

Test	Method	Results	Date Analyzed
Iron	EPA 200.7	<0.060 mg/L	08/18/2015
Manganese	EPA 200.7	<0.010 mg/L	08/18/2015
Zinc	EPA 200.7	1.800 mg/L	08/18/2015
Copper	EPA 200.8	0.455 mg/L	08/18/2015
Lead	EPA 200.8	<0.003 mg/L	08/18/2015

Lab ID	Sample ID: CMC-Wilmington VA	Collect Date/Time	Matrix	Sampled by
15-25554	Site: 1181 Decon	8/17/2015 6:34 AM	DW	jay baker

Test	Method	Results	Date Analyzed
Iron	EPA 200.7	<0.060 mg/L	08/18/2015
Manganese	EPA 200.7	<0.010 mg/L	08/18/2015
Zinc	EPA 200.7	<1.0 mg/L	08/18/2015
Copper	EPA 200.8	0.219 mg/L	08/18/2015
Lead	EPA 200.8	0.006 mg/L	08/18/2015



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Lab ID	Sample ID: CMC-Wilmington VA	Collect Date/Time	Matrix	Sampled by
15-25555	Site: 1185 Decon right	8/17/2015 6:35 AM	DW	jay baker

Test	Method	Results	Date Analyzed
Iron	EPA 200.7	<0.060 mg/L	08/18/2015
Manganese	EPA 200.7	0.022 mg/L	08/18/2015
Zinc	EPA 200.7	<1.0 mg/L	08/18/2015
Copper	EPA 200.8	0.550 mg/L	08/18/2015
Lead	EPA 200.8	<0.003 mg/L	08/18/2015

Lab ID	Sample ID: CMC-Wilmington VA	Collect Date/Time	Matrix	Sampled by
15-25556	Site: 1185 Decon left	8/17/2015 6:36 AM	DW	jay baker

Test	Method	Results	Date Analyzed
Iron	EPA 200.7	<0.060 mg/L	08/18/2015
Manganese	EPA 200.7	0.026 mg/L	08/18/2015
Zinc	EPA 200.7	1.330 mg/L	08/18/2015
Copper	EPA 200.8	0.842 mg/L	08/18/2015
Lead	EPA 200.8	<0.003 mg/L	08/18/2015

Lab ID	Sample ID: CMC-Wilmington VA	Collect Date/Time	Matrix	Sampled by
15-25557	Site: 1088 exam	8/17/2015 6:43 AM	DW	jay baker

Test	Method	Results	Date Analyzed
Iron	EPA 200.7	<0.060 mg/L	08/18/2015
Manganese	EPA 200.7	<0.010 mg/L	08/18/2015
Zinc	EPA 200.7	<1.0 mg/L	08/18/2015
Copper	EPA 200.8	0.943 mg/L	08/18/2015
Lead	EPA 200.8	<0.003 mg/L	08/18/2015



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Lab ID	Sample ID: CMC-Wilmington VA	Collect Date/Time	Matrix	Sampled by
15-25558	Site: 1087 exam	8/17/2015 6:46 AM	DW	jay baker

Test	Method	Results	Date Analyzed
Iron	EPA 200.7	<0.060 mg/L	08/18/2015
Manganese	EPA 200.7	0.026 mg/L	08/18/2015
Zinc	EPA 200.7	1.180 mg/L	08/18/2015
Copper	EPA 200.8	0.511 mg/L	08/18/2015
Lead	EPA 200.8	<0.003 mg/L	08/18/2015

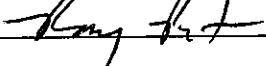
Lab ID	Sample ID: CMC-Wilmington VA	Collect Date/Time	Matrix	Sampled by
15-25559	Site: 1086 exam	8/17/2015 6:50 AM	DW	jay baker

Test	Method	Results	Date Analyzed
Iron	EPA 200.7	<0.060 mg/L	08/18/2015
Manganese	EPA 200.7	<0.010 mg/L	08/18/2015
Zinc	EPA 200.7	<1.0 mg/L	08/18/2015
Copper	EPA 200.8	1.73 mg/L	08/18/2015
Lead	EPA 200.8	<0.003 mg/L	08/18/2015

Lab ID	Sample ID: CMC-Wilmington VA	Collect Date/Time	Matrix	Sampled by
15-25560	Site: 1085 exam	8/17/2015 6:51 AM	DW	jay baker

Test	Method	Results	Date Analyzed
Iron	EPA 200.7	<0.060 mg/L	08/18/2015
Manganese	EPA 200.7	<0.010 mg/L	08/18/2015
Zinc	EPA 200.7	<1.0 mg/L	08/18/2015
Copper	EPA 200.8	0.587 mg/L	08/18/2015
Lead	EPA 200.8	<0.003 mg/L	08/18/2015

Comment:

Reviewed by: 



Analytical & Consulting Chemists

ENVIRONMENTAL CHEMISTS, INC

NCDEMR: DWQ CERTIFICATION # 94 NCDHHS: DLS CERTIFICATION # 37729

6602 Windmill Way Wilmington, NC 28405
OFFICE: 910-392-0223 FAX 910-392-4424
info@environmentalchemists.com

COLLECTION AND CHAIN OF CUSTODY

CLIENT: CMC PROJECT NAME: Williamsburg VA REPORT NO: 15-1079L

ADDRESS: _____ CONTACT NAME: _____ PO NO: _____

REPORT TO: _____ PHONE/FAX: _____

COPY TO: _____ email: _____

Sampled By: J. Stales / Envirochem SAMPLE TYPE: I = Influent, E = Effluent, W = Well, ST = Stream, SO = Soil, SL = Sludge, Other: _____

Sample Identification	Collection			Sample Type	Composite or Grab	Container (P or G)	Chlorine mg/L	LAB ID NUMBER	PRESERVATION						ANALYSIS REQUESTED	
	Date	Time	Temp						NONE	HCL	H2SO4	HNO3	NAOH	THIO		OTHER
1032 K. Lehen	8/17/15	6:27A		C	P			LS537								P, Cu, Fe, Zn, Mn
1058 K. Lehen		6:11		C	P			LS538								
Dental OPS (A. L. H.)		6:13		C	P			LS539								
Dental OPS (L. H. H.)		6:14		C	P			LS540								
Dental OP 4 (L. H. H.)		6:15		C	P			LS541								
Dental OP 4 (L. H. H.)		6:15		C	P			LS542								
Dental OP 4 (L. H. H.)		6:15		C	P			LS543								
Dental OP 3 (L. H. H.)		6:15		C	P			LS544								
Dental OP 2 (L. H. H.)		6:15		C	P			LS545								
Dental OP 2 (L. H. H.)		6:15		C	P			LS546								

Temperature when Received: _____ Accepted: _____ Rejected: _____ Resample Requested: _____

Delivered By: GS Received By: [Signature] Date: 8/17/15 Time: 8:25

Comments: _____

Transfer: _____ Relinquished By: _____ Date/Time: _____ Received By: _____ Date/Time: _____

1. _____

2. _____

TURNAROUND: _____



Analytical & Consulting Chemists

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NC DENR: DWQ CERTIFICATION # 94 NCDHHS: DLS CERTIFICATION # 37729

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OFFICE: 910-392-0223 FAX 910-392-4424
Info@environmentalchemists.com

COLLECTION AND CHAIN OF CUSTODY

CLIENT: CME PROJECT NAME: Wilmington VA REPORT NO: 15-1028C

ADDRESS: _____ CONTACT NAME: _____ PO NO: _____

REPORT TO: _____ PHONE/FAX: _____

COPY TO: _____ email: _____

Sampled By: J. Stele / envirochem SAMPLE TYPE: I = Influent, E = Effluent, W = Well, ST = Stream, SO = Soil, SL = Sludge, Other: _____

Sample Identification	Date	Time	Temp	Sample Type	Composite or Grab	Container (P or G)	Chlorine mg/L	LAB ID NUMBER	PRESERVATION						ANALYSIS REQUESTED	
									NONE	HCL	H2SO4	HNO3	NAOH	THIO		OTHER
1088 Exam	8/12/15	6:42			C	P		25557								McAfee MW 2N
1087		6:46			C	P		25557								
1086		6:50			C	P		25559								
1085		6:51			C	P		25560								J
					C	P										
					C	P										
					C	P										
					C	P										
					C	P										
					C	P										
					C	P										
					C	P										
					C	P										

Transfer Relinquished By: _____ Date/Time: _____ Received By: _____ Date/Time: _____

1. Temperature when Received: _____ Accepted: _____ Resampled Requested: _____

Delivered By: _____ Received By: J. Stele Date: 8/17/15 Time: 8:25

Comments: _____

2. _____