

## **APPENDIX I**

### **LABORATORY ANALYTICAL DATA**



### CERTIFICATE OF ANALYSIS

**Customer :** Brinkerhoff Environmental  
1805 Atlantic Avenue  
Manasquan, NJ 08736

**Project ID :** 14BR141 - Warren Campus  
**PAS Project ID :** P16-1686

**Matrix :** Drinking Water  
**Report Date :** 4/26/2016

PAS Sample ID	Client ID	Analysis	Results	Units	DF	PQL	MDL	MCL	Method	Date Sampled	Date Analyzed
P16-1686-01	WC-01A Kitchen Sink FD	Lead	0.752 J	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	4/16/16 12:08	4/21/16 12:47
P16-1686-02	WC-01B Kitchen Sink FL	Lead	0.581 J	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	4/16/16 12:08	4/21/16 12:56
P16-1686-03	WC-02A Faculty Sink FD	Lead	0.752 J	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	4/16/16 12:13	4/21/16 13:33
P16-1686-04	WC-02B Faculty Sink FL	Lead	0.581 J	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	4/16/16 12:13	4/21/16 13:37
P16-1686-05	WC-03A Staff Bathroom Sink FD	Lead	4.17	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	4/16/16 12:19	4/21/16 13:42
P16-1686-06	WC-03B Staff Bathroom Sink FL	Lead	0.581 J	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	4/16/16 12:19	4/21/16 13:46
P16-1686-07	WC-04A Rm 107/Nursery Rm Sink FD	Lead	2.12	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	4/16/16 12:23	4/21/16 13:50
P16-1686-08	WC-04B Rm 107/Nursery Rm Sink FL	Lead	1.61 J	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	4/16/16 12:23	4/21/16 13:55
P16-1686-09	WC-05A Room 108 Sink FD	Lead	1.86 J	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	4/16/16 12:31	4/21/16 13:59
P16-1686-10	WC-05B Room 108 Sink FL	Lead	1.35 J	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	4/16/16 12:31	4/21/16 14:12
P16-1686-11	WC-06A Room 112 Sink FD	Lead	7.50	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	4/16/16 12:42	4/21/16 14:16
P16-1686-12	WC-06B Room 112 Sink FL	Lead	3.57	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	4/16/16 12:42	4/21/16 14:20
P16-1686-13	WC-07A Room 115 FD	Lead	39.2	ug/L	5	10.0	2.31	15.0 *	SM 3113 B	4/16/16 12:46	4/21/16 15:07
P16-1686-14	WC-07B Room 115 FL	Lead	6.65	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	4/16/16 12:46	4/21/16 14:29
P16-1686-15	WC-08A Trailer Sink FD	Lead	1.69 J	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	4/16/16 12:54	4/21/16 14:33
P16-1686-16	WC-08B Trailer Sink FL	Lead	0.667 J	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	4/16/16 12:54	4/21/16 14:37
P16-1686-17	WC-09 Field Blank	Lead	ND	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	4/16/16 12:59	4/21/16 14:41

Except for the parameters tested, PAS makes no representation as to the fitness or quality of the water sample taken.

- PQL = Practical Quantitation Limit
- MDL = Minimum Detection Limit
- MCL = Maximum Contaminant Level
- DF = Dilution Factor
- ND = Analyzed for but not detected
- B = Compound found in blank and samples
- E = Concentration exceeds calibration range
- J = Estimated result
- \* Federal Action Level / EPA 3T's guidance 20 ug/L

All samples are analyzed in accordance with New Jersey Department of Environmental Protection Protocol

Mark D. Feitelson, Lab. Director



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PRECISION ANALYTICAL SERVICES, INC. ✓

2161 WHITEVILLE ROAD TOMS RIVER, NJ 08735 PHONE 732-914-1515 FAX 732-914-1616

# CHAIN OF CUSTODY

Customer: Brinkerhoff Environmental Services, Inc.  
 Address: 1805 Atlantic Avenue, Manasquan, NJ 08736  
 Phone: (732) 223-2225

Project Name: 14BR141  
 School Name: Warren Campus  
 Sampled By: M. Manthey  
 Print Name:  
 RESULTS TO: gfleming@brinkenv.com

Sample ID	Location	Date/Time	Matrix Code	Grab or Comp	# of Containers	Glass or Plastic	pH < 2	Analysis Required	LAB ID
WC-01A	Kitchen Sink	FD 12:08 pm	DW	Grab	1	P		Total Lead	P16-1686-01
WC-01B	Kitchen Sink	FL 12:08 pm	DW	Grab	1	P		Total Lead	-02
WC-02A	Faculty Sink	FD 12:13 pm	DW	Grab	1	P		Total Lead	-03
WC-02B	Faculty Sink	FL 12:13 pm	DW	Grab	1	P		Total Lead	-04
WC-03A	Staff Bathroom Sink	FD 12:19 pm	DW	Grab	1	P		Total Lead	-05
WC-03B	Staff Bathroom Sink	FL 12:19 pm	DW	Grab	1	P		Total Lead	-06
WC-04A	Room 107 Nursery Room Sink	FD 12:23 pm	DW	Grab	1	P		Total Lead	-07
WC-04B	Room 107 Nursery Room Sink	FL 12:23 pm	DW	Grab	1	P		Total Lead	-08
WC-05A	Room 108 Sink	FD 12:31 pm	DW	Grab	1	P		Total Lead	-09
WC-05B	Room 108 Sink	FL 12:31 pm	DW	Grab	1	P		Total Lead	-10
WC-06A	Room 112 Sink	FD 12:42 pm	DW	Grab	1	P		Total Lead	-11
WC-06B	Room 112 Sink	FL 12:42 pm	DW	Grab	1	P		Total Lead	-12
WC-07A	Room 115 Sink	FD 12:46 pm	DW	Grab	1	P		Total Lead	-13
WC-07B	Room 115 Sink	FL 12:46 pm	DW	Grab	1	P		Total Lead	-14
WC-08A	Trailer Sink	FD 12:54 pm	DW	Grab	1	P		Total Lead	P161686-15

Page 1 of 2 Deliverables: PDF Std., PDF Reduced, PDF Full, EDD, Excel Results  
 Date/Time Preserved with HNO3: 4/18/16 @ 0940

**MATRIX CODES:** GW = Ground Water, WW = Waste Water, SW = Surface Water, DW = Drinking Water, S = Soil, L = Liquid, SD = Sludge, B = Blank, K = Solid (specify):

**PRESERVATIVE CODES:** 0 = Ice, 1 = HCl, 2 = H2SO4, 3 = NaOH, 4 = HNO3, 5 = Other

	Signature	Organization	Date + Time
Relinquished: JOE SERIO	<i>[Signature]</i>	Brinkerhoff	04-18-2016 @ 0900
Received: Lynn Souza	<i>[Signature]</i>	PAS	
Relinquished:			
Received:			
Relinquished:			
Received:			

Samples rec'd unpreserved. Preserved in lab.



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PRECISION ANALYTICAL SERVICES, INC.

2101 WHITESVILLE ROAD TOMBS RIVER, NJ 08785 PHONE 732-914-1915 FAX 732-914-1618

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 Address: 1805 Atlantic Avenue, Manasquan, NJ 08736  
 Phone: (732) 223-2225

Sample ID	Location	Date/Time	Matrix Code	Grab or Comp	# of Containers	Glass or Plastic	pH < 2	Analysis Required	LAB ID
WG-088	Trailer Sink FL	4/16/16 12:54pm	DW	Grab	1	P		Total Lead	P16-1686-16
WG-09	Field Blank	12:59pm	DW	Grab	1	P		Total Lead	P16-1686-17
			DW	Grab	1	P		Total Lead	
			DW	Grab	1	P		Total Lead	
			DW	Grab	1	P		Total Lead	
			DW	Grab	1	P		Total Lead	
			DW	Grab	1	P		Total Lead	
			DW	Grab	1	P		Total Lead	
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Page 2 of 2 Deliverables: PDF Std. PDF Reduced PDF Full EDD Excel Results Date/Time Preserved with HNO3: 4/18/16 @ 0940

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	Signature:	Organization	Date + Time
Relinquished	<u>JOE SERIO</u>	Brinkerhoff	04-18-2016 @ 0900
Received:	<u>Lynn Souza</u>	PAS	
Relinquished:			
Received:			
Relinquished:			
Received:			

Samples need unpreserved.  
 preserved in lab.