

# **APPENDIX I**

## **LABORATORY ANALYTICAL DATA**



### CERTIFICATE OF ANALYSIS

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

**Project ID :** 14BR141 - Monmouth  
**PAS Project ID :** P16-1494

**Matrix :** Drinking Water  
**Report Date :** 04/14/16

PAS Sample ID	Client ID	Analysis	Results	Units	DF	PQL	MDL	MCL	Method	Date Sampled	Date Analyzed
P16-1494-01	MN01A Main Office-BR-101	Lead	58.4	ug/L	10	20.0	4.62	15.0 *	SM 3113 B	4/8/16 05:43	4/11/16 15:38
P16-1494-02	MN01B Main Office-BR-101	Lead	0.865 J	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	4/8/16 05:43	4/11/16 11:53
P16-1494-03	MN02A Kitchen	Lead	1.76 J	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	4/8/16 05:49	4/11/16 12:01
P16-1494-04	MN02B Kitchen	Lead	ND	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	4/8/16 05:49	4/11/16 12:05
P16-1494-05	MN03A Teachers Lounge-106	Lead	1.31 J	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	4/8/16 05:53	4/11/16 12:34
P16-1494-06	MN03B Teachers Lounge-106	Lead	0.568 J	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	4/8/16 05:53	4/11/16 12:38
P16-1494-07	MN04A Art Room-108	Lead	2.42	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	4/8/16 05:59	4/11/16 12:42
P16-1494-08	MN04B Art Room-108	Lead	0.568 J	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	4/8/16 05:59	4/11/16 12:46
P16-1494-09	MN05A Room 113	Lead	7.10	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	4/8/16 06:06	4/11/16 12:50
P16-1494-10	MN05B Room 113	Lead	4.80	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	4/8/16 06:06	4/11/16 12:54
P16-1494-11	MN06A Room 117	Lead	5.17	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	4/8/16 06:11	4/11/16 12:58
P16-1494-12	MN06B Room 117	Lead	1.98 J	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	4/8/16 06:12	4/11/16 13:02
P16-1494-13	MN07A Room 122	Lead	6.95	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	4/8/16 06:16	4/11/16 13:07
P16-1494-14	MN07B Room 122	Lead	1.90 J	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	4/8/16 06:16	4/11/16 13:11
P16-1494-15	MN08A Boys Room-Rm 116	Lead	3.24	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	4/8/16 06:21	4/11/16 13:24
P16-1494-16	MN08B Boys Room-Rm 116	Lead	0.865 J	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	4/8/16 06:21	4/11/16 13:28
P16-1494-17	MN09 Field Blank	Lead	ND	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	4/8/16 06:32	4/11/16 13:32

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.

2181 WHITESVILLE ROAD TOMS RIVER, NJ 08753 PHONE 732-614-1818 FAX 732-614-1819

# CHAIN OF CUSTODY

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

Project Name: 14BR141  
 School Name: *Manasquan*  
 Sampled By: *C. Blawacki*  
 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
MNO1A	MAIN OFFICE - BR - 101	4/8/16@0543	DW	Grab	1	P		Total Lead	P16-1494-01
MNO1B	" "	4/8/16@0543	DW	Grab	1	P		Total Lead	-02
MNO2A	KITCHEN	4/8/16@0549	DW	Grab	1	P		Total Lead	-03
MNO2B	" "	4/8/16@0549	DW	Grab	1	P		Total Lead	-04
MNO3A	TEACHERS LOUNGE - 106	4/8/16@0553	DW	Grab	1	P		Total Lead	-05
MNO3B	" "	4/8/16@0553	DW	Grab	1	P		Total Lead	-06
MNO4A	ACT ROOM - 108	4/8/16@0559	DW	Grab	1	P		Total Lead	-07
MNO4B	" "	4/8/16@0559	DW	Grab	1	P		Total Lead	-08
MNO5A	Rm. 113	4/8/16@0606	DW	Grab	1	P		Total Lead	-09
MNO5B	" "	4/8/16@0606	DW	Grab	1	P		Total Lead	-10
MNO6A	Rm. 117	4/8/16@0611	DW	Grab	1	P		Total Lead	-11
MNO6B	" "	4/8/16@0612	DW	Grab	1	P		Total Lead	-12
MNO7A	Rm. 122	4/8/16@0616	DW	Grab	1	P		Total Lead	-13
MNO7B	" "	4/8/16@0616	DW	Grab	1	P		Total Lead	-14
MNO8A	BOYS ROOM - Rm. 116	4/8/16@0621	DW	Grab	1	P		Total Lead	P16-1494-15

Page 1 of 2 Deliverables: PDF Std. PDF Reduced PDF Full Excel Results Date/Time Preserved with HNO3:

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	<i>[Signature]</i>	Brinkerhoff	4/8/16 0814
Received:	<i>Holly Chenais</i>		
Relinquished:	<i>[Signature]</i>		
Received:			
Relinquished:			
Received:			

\* Samples recieved unpreserved Preserved in lab 4/8/16 @



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PRECISION ANALYTICAL SERVICES, INC.

2161 WHITESVILLE ROAD TOMS RIVER, NJ 08735 PHONE 732-914-1518 FAX 732-914-1516

# CHAIN OF CUSTODY

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

Project Name: 14BR141  
 School Name: MANASQUAN  
 Sampled By: CELESTINE  
 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
MN08B	BOYS ROOM - RM. 116	4/8/16@621	DW	Grab	1	P		Total Lead	P16-1494-16
MN09	FIELD BLANK	4/8/16@0632	DW	Grab	1	P		Total Lead	P16-1494-17
			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	
			DW	Grab	1	P		Total Lead	
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			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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Deliverables: PDF Std. PDF Reduced PDF Full EDD Excel Results

Date/Time Preserved with HNO3: \_\_\_\_\_

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:		Brinkerhoff	4/8/16 0814
Received: Holly Chenal	Holly Chenal		
Relinquished:			
Received:			
Relinquished:			
Received:			

Samples received ~~un~~preserved.  
 Preserved in lab 4/8/16 @