

APPENDIX I

LABORATORY ANALYTICAL DATA



CERTIFICATE OF ANALYSIS

Customer : Brinkerhoff Environmental
1805 Atlantic Avenue
Manasquan, NJ 08736

Project ID : 14BR141 - Newark
PAS Project ID : P16-1680

Matrix : Drinking Water
Report Date : 4/25/2016

PAS Sample ID	Client ID	Analysis	Results	Units	DF	PQL	MDL	MCL	Method	Date Sampled	Date Analyzed
P16-1680-01	NE-01A Kitchen Sink FD	Lead	38.7	ug/L	5	10.0	2.31	15.0 *	SM 3113 B	4/16/16 07:08	4/20/16 12:38
P16-1680-02	NE-01B Kitchen Sink FL	Lead	1.92 J	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	4/16/16 07:08	4/20/16 12:46
P16-1680-03	NE-02A Faculty Room FD	Lead	0.953 J	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	4/16/16 07:16	4/20/16 12:59
P16-1680-04	NE-02B Faculty Room FL	Lead	ND	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	4/16/16 07:16	4/20/16 13:18
P16-1680-05	NE-03A Water Fountain FD	Lead	51.4	ug/L	20	40.0	9.24	15.0 *	SM 3113 B	4/16/16 07:25	4/20/16 14:12
P16-1680-06	NE-03B Water Fountain FL	Lead	0.768 J	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	4/16/16 07:25	4/20/16 13:27
P16-1680-07	NE-04A Office Kitchenette FD	Lead	3.95	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	4/16/16 07:31	4/20/16 13:31
P16-1680-08	NE-04B Office Kitchenette FL	Lead	1.60 J	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	4/16/16 07:31	4/20/16 13:35
P16-1680-09	NE-05A Nurse Office FD	Lead	557	ug/L	50	100	23.1	15.0 *	SM 3113 B	4/16/16 07:39	4/20/16 14:20
P16-1680-10	NE-05B Nurse Office FL	Lead	32.1	ug/L	10	20.0	4.62	15.0 *	SM 3113 B	4/16/16 07:39	4/20/16 14:29
P16-1680-11	NE-06A Room 8 Sink FD	Lead	140	ug/L	20	40.0	9.24	15.0 *	SM 3113 B	4/16/16 07:47	4/20/16 14:33
P16-1680-12	NE-06B Room 8 Sink FL	Lead	29.8	ug/L	10	20.0	4.62	15.0 *	SM 3113 B	4/16/16 07:47	4/20/16 14:41
P16-1680-13	NE-07A Room 7 Sink FD	Lead	12.5	ug/L	2	4.00	0.924	15.0 *	SM 3113 B	4/16/16 07:53	4/20/16 15:02
P16-1680-14	NE-07B Room 7 Sink FL	Lead	3.21	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	4/16/16 07:53	4/20/16 15:07
P16-1680-15	NE-08A Gym Fountain FD	Lead	24.8	ug/L	10	20.0	4.62	15.0 *	SM 3113 B	4/16/16 07:57	4/20/16 16:00
P16-1680-16	NE-08B Gym Fountain FL	Lead	2.52	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	4/16/16 07:57	4/20/16 15:15
P16-1680-17	NE-09A Voc. Apartment FD	Lead	24.8	ug/L	10	20.0	4.62	15.0 *	SM 3113 B	4/16/16 08:04	4/20/16 16:04
P16-1680-18	NE-09B Voc. Apartment FL	Lead	2.66	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	4/16/16 08:04	4/20/16 15:24
P16-1680-19	NE-10A Room 2 Sink FD	Lead	4.14	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	4/16/16 08:11	4/20/16 15:28
P16-1680-20	NE-10B Room 2 Sink FL	Lead	2.48	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	4/16/16 08:11	4/20/16 15:33
P16-1680-21	NE-11 Field Blank	Lead	ND	ug/L	1	2.00	0.462	15.0 *	SM 3113 B	4/16/16 00:00	4/20/16 15:37

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



Specialists in Drinking Water Testing Technologies • Residential • Industrial • Municipal

PRECISION ANALYTICAL SERVICES, INC.

2101 WHITESVILLE ROAD TOMS RIVER, NJ 08795 PHONE 732-914-1815 FAX 732-914-1816

CHAIN OF CUSTODY

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

Project Name: 14BR141
School Name: NEWARK
Sampled By: P. Blawiecki
Print Name:
RESULTS TO: gfileming@brinkenv.com

Sample ID	Location	Date/Time	Matrix Code	Grab or Comp	# of Containers	Glass or Plastic	pH < 2	Analysis Required	LAB ID
NE-01A	Kitchen Sink FD	4/16/16 0708	DW	Grab	1	P		Total Lead	P16-1680-01
NE-01B	↓ FL	0708	DW	Grab	1	P		Total Lead	-02
NE-02A	Faculty Room FD	0716	DW	Grab	1	P		Total Lead	-03
NE-02B	↓ FL	0716	DW	Grab	1	P		Total Lead	-04
NE-03A	Water Fountain FD	0725	DW	Grab	1	P		Total Lead	-05
NE-03B	↓ FL	0725	DW	Grab	1	P		Total Lead	-06
NE-04A	Office Kitchenette FD	0731	DW	Grab	1	P		Total Lead	-07
NE-04B	↓ FL	0731	DW	Grab	1	P		Total Lead	-08
NE-05A	Nurse Office Sink FD	0739	DW	Grab	1	P		Total Lead	-09
NE-05B	↓ FL	0739	DW	Grab	1	P		Total Lead	-10
NE-06A	Room 8 Sink FD	0747	DW	Grab	1	P		Total Lead	-11
NE-06B	↓ FL	0747	DW	Grab	1	P		Total Lead	-12
NE-07A	Room 7 sink FD	0753	DW	Grab	1	P		Total Lead	-13
NE-07B	↓ FL	0753	DW	Grab	1	P		Total Lead	-14
NE-08A	Gym Fountain FD	0757	DW	Grab	1	P		Total Lead	P16-1680-15

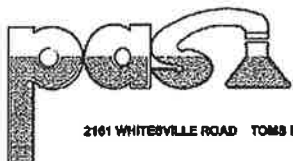
Page 1 of 2
Deliverables: PDF Std. PDF Reduced PDF Full EDD Excel Results
Date/Time Preserved with HNO3: 4/18/16 @ 0940

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

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

Samples rec'd unpreserved.
Preserved in lab.



Specialists in Drinking Water Testing Technologies • Residential • Industrial • Municipal

PRECISION ANALYTICAL SERVICES, INC.

2101 WHITEVILLE ROAD TOMBS RIVER, NJ 08755 PHONE 732-914-1815 FAX 732-914-1810

CHAIN OF CUSTODY

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

Project Name: 14BR141
School Name: NEWARK
Sampled By: C. Blumack
Print Name:
RESULTS TO: gflaming@brinkenv.com

Sample ID	Location	Date/Time	Matrix Code	Grab or Comp	# of Containers	Glass or Plastic	pH < 2	Analysis Required	LAB ID
NE-08B	Gym Fountain FL	4/16/16 0757	DW	Grab	1	P		Total Lead	P16-1680-16
NE-09A	100 Apartment FD	0804	DW	Grab	1	P		Total Lead	-17
NE-09B	↓ FL	0804	DW	Grab	1	P		Total Lead	-18
NE-10A	Room 2 Sink FD	0811	DW	Grab	1	P		Total Lead	-19
NE-10B	↓ FL	0811	DW	Grab	1	P		Total Lead	↓ -20
NE-11	Field Blank		DW	Grab	1	P		Total Lead	P16-1680-21
			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	
			DW	Grab	1	P		Total Lead	
			DW	Grab	1	P		Total Lead	
			DW	Grab	1	P		Total Lead	
			DW	Grab	1	P		Total Lead	

Page 2 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

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

Samples rec'd unpreserved.
Preserved in lab.