

# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Report Date: May 10, 2011

Company : Bridge Municipal Utilities Authority  
 Address : 15 Throck Morton Lane

Old Bridge, New Jersey 08857

Contact: Mr. Jimmy Smith  
 Project: Radiochemistry Analytical

Client Sample ID: #1-Middlesex Influent

Project: BMUA00111

Sample ID: 275850001

Client ID: BMUA001

Matrix: Drinking Water (Potable)

Collect Date: 11-APR-11 08:00

Receive Date: 12-APR-11

Collector: Client

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gamma Spec Analysis												
Gammaspec, ( I-131 Only) "As Received"												
Iodine-131	U	2.80	+/-7.14	12.2	10.0	pCi/L	DRS1	04/28/11	1618	1096350		1
Rad Gas Flow Proportional Counting												
Iodine-131 in Drinking Water "As Received"												
Iodine-131	U	-0.24	+/-0.326	0.725	1.00	pCi/L	KSD1	04/15/11	2228	1091906		2

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 901.1	
2	EPA 902.0/SM 7500-I B	

  

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Potassium Iodate Carrier	Iodine-131 in Drinking Water "As Received"			100	(25%-125%)

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### Certificate of Analysis

Report Date: May 10, 2011

Company : Bridge Municipal Utilities Authority  
Address : 15 Throck Morton Lane

Old Bridge, New Jersey 08857

Contact: Mr. Jimmy Smith  
Project: Radiochemistry Analytical

Client Sample ID: #2-Browntown Effluent

Project: BMUA00111

Sample ID: 275852001

Client ID: BMUA001

Matrix: Drinking Water (Potable)

Collect Date: 11-APR-11 09:00

Receive Date: 12-APR-11

Collector: Client

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gamma Spec Analysis												
Gammascpec, ( I-131 Only) "As Received"												
Iodine-131	U	5.08	+/-11.0	19.1	10.0	pCi/L		DRS1	04/28/11	1618	1096350	1
Rad Gas Flow Proportional Counting												
Iodine-131 in Drinking Water "As Received"												
Iodine-131	U	-0.102	+/-0.458	0.894	1.00	pCi/L		KSD1	04/15/11	2228	1091906	2

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 901.1	
2	EPA 902.0/SM 7500-1 B	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Potassium Iodate Carrier	Iodine-131 in Drinking Water "As Received"			101	(25%-125%)