# Scharf, Steven (DEC)

From: Brian Caldwell <bcaldwell@Ensafe.com>
Sent: Monday, May 02, 2016 12:46 PM

**To:** Wilkie, Henry (DEC); Scharf, Steven (DEC); Karpinski, Steven (HEALTH); Bethoney, Charlotte M. (HEALTH)

Cc: Fly, Lora B CIV NAVFAC MIDLANT, IPTNORTH; Allan Jenkins; Dana Miller; Vivaudou, Eleanor (Eleanor.Vivaudou@aecom.com);

mboufis@bethpagewater.com; pschimmel@bethpagewater.com

**Subject:** BWD Pilot Study - Week 5 results

Attachments: pl 6 voc 4 22 16.pdf; samples 1 4 dioxane 4 22 16.pdf

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

All:

Please find attached the BWD Pilot Study Week 5 results. Only well 6-2 was pumping during Week 5.

### Regards,

Brian

Brian Caldwell, PG CPG EnSafe/Resolution Consultants Senior Hydrogeologist 308 North Peters Road, Suite 200 Knoxville TN 37922 Office: (865) 693-3623



## **Sample Information:** Type: Potable Water

575 Broad Hollow Road, Melville, NY 11747 TEL: (631) 694-3040 FAX: (631) 420-8436 NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Lab No. : 1604E54-001

Origin: Raw Well Results are only for the samples and analytes requested. Routine

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the tests requested

Bethpage Water District

25 Adams Ave.

Client Sample ID.: N-03876 Bethpage, NY 11714

Attn To: Michael Boufis Federal ID: 2902817

Collected: 04/15/2016 10:30 AM Point No N-03876 Received: 04/15/2016 10:56 AM Location: Well 6-1

Collected By: PS99

Analytical Method: E524.2 : POC Analys									
Parameter(s)	Results Qualifier	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	Analyzed:	Container:			
1,1,1,2-Tetrachloroethane	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02			
1,1,1-Trichloroethane	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02			
1,1,2,2-Tetrachloroethane	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02			
1,1,2-Trichloroethane	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02			
1,1-Dichloroethane	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02			
1,1-Dichloroethene	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02			
1,1-Dichloropropene	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02			
1,2,3-Trichlorobenzene	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02			
1,2,3-Trichloropropane	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02			
1,2,4-Trichlorobenzene	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02			
1,2,4-Trimethylbenzene	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02			
1,2-Dichlorobenzene	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02			
1,2-Dichloroethane	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02			
1,2-Dichloropropane	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02			
1,3,5-Trimethylbenzene	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02			
1,3-Dichlorobenzene	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02			
1,3-Dichloropropane	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02			
1,4-Dichlorobenzene	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02			
2,2-Dichloropropane	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02			
2/4-Chlorotoluene	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02			
4-Isopropyltoluene	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02			
Benzene	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02			
Bromobenzene	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02			
Bromochloromethane	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02			

Qualifiers: E = Value above quantitation range, Value estimated.

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

c = Calibration acceptability criteria exceeded for this analyte. Value estimated

H = Received/analyzed outside of analytical holding time

J = Estimated value - below calibration range

M-, M+ = Matrix Spike recovery below / above control limit

N = Indicates presumptive evidence of compound

P = Duplicate RPD outside of control limit

r = Reporting limit below calibration range. Value estimated.

S = Recovery outside of control limits for this analyte

+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method

Result(s) reported meet(s) NYS Regulatory Limit(s).

Result(s) flagged with \*\* Exceed NYS Regulatory Limit(s). Limit noted.

Date Reported: 4/19/2016

Sr.Project Manager: Stu Murrell

Test results meet the requirements of NELAC unless otherwise noted.

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Page 1 of 11

575 Broad Hollow Road, Melville, NY 11747 TEL: (631) 694-3040 FAX: (631) 420-8436 NYSDOH ID#10478 www.pacelabs.com

# LABORATORY RESULTS

Lab No. : 1604E54-001

Type: Potable Water Origin: Raw Well

Results are only for the samples and analytes requested. Routine

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the tests requested

Bethpage Water District

25 Adams Ave.

Bethpage, NY 11714

Client Sample ID.: N-03876

Attn To: Michael Boufis Federal ID: 2902817

Collected: 04/15/2016 10:30 AM Point No N-03876 Received: 04/15/2016 10:56 AM Location: Well 6-1

Collected By: PS99

Analytical Method: E524.2 : POC	`					Analyst: MaiN
Parameter(s)		ם ר	Lloito	Limit	Analyzed:	Container:
	Results Qualifier	<u>D.F.</u>	<u>Units</u>	Lillit		
Bromodichloromethane	< 0.50	1	μg/L		04/18/2016 10:14 PM	
Bromoform	< 0.50	1	μg/L		04/18/2016 10:14 PM	Container-01 of 02
Bromomethane	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02
Carbon tetrachloride	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02
Chlorobenzene	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02
Chloroethane	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02
Chloroform	< 0.50	1	μg/L		04/18/2016 10:14 PM	Container-01 of 02
Chloromethane	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02
cis-1,2-Dichloroethene	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02
cis-1,3-Dichloropropene	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02
Dibromochloromethane	< 0.50	1	μg/L		04/18/2016 10:14 PM	Container-01 of 02
Dibromomethane	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02
Dichlorodifluoromethane	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02
Ethylbenzene	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02
Hexachlorobutadiene	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02
Isopropylbenzene	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02
m,p-Xylene	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02
Methyl tert-butyl ether	< 0.50	1	μg/L	10	04/18/2016 10:14 PM	Container-01 of 02
Methylene chloride	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02
n-Butylbenzene	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02
n-Propylbenzene	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02
o-Xylene	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02
sec-Butylbenzene	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02
Styrene	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02
-			. •			

Qualifiers: E = Value above quantitation range, Value estimated.

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D.F. = Dilution Factor D = Results for Dilution

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P = Duplicate RPD outside of control limit

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+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method

Result(s) reported meet(s) NYS Regulatory Limit(s).

Result(s) flagged with \*\* Exceed NYS Regulatory Limit(s). Limit noted.

Date Reported: 4/19/2016

Sr.Project Manager: Stu Murrell

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Page 2 of 11

575 Broad Hollow Road, Melville, NY 11747 TEL: (631) 694-3040 FAX: (631) 420-8436 NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS Results are only for the samples and analytes requested.

The lab is not directly responsible for the integrity of the sample before

receipt at the lab and is responsible only for the tests requested

Type: Potable Water Origin: Raw Well

Routine

Bethpage Water District

25 Adams Ave.

Lab No. : 1604E54-001

Client Sample ID.: N-03876

Bethpage, NY 11714 Attn To: Michael Boufis Federal ID: 2902817

Collected: 04/15/2016 10:30 AM Point No N-03876 Received: 04/15/2016 10:56 AM Location: Well 6-1

Collected By: PS99

Analytical Method: E524.2 : PC	DC							Analyst: MaiN
Parameter(s)	Results	Qualifier	<u>D.F.</u>	<u>Units</u>		<u>Limit</u>	Analyzed:	Container:
tert-Butylbenzene	< 0.50		1	μg/L		5	04/18/2016 10:14 PM	Container-01 of 02
Tetrachloroethene	3.33		1	μg/L		5	04/18/2016 10:14 PM	Container-01 of 02
Toluene	< 0.50		1	μg/L		5	04/18/2016 10:14 PM	Container-01 of 02
Total Trihalomethanes	< 2.00		1	μg/L		80	04/18/2016 10:14 PM	Container-01 of 02
trans-1,2-Dichloroethene	< 0.50		1	μg/L		5	04/18/2016 10:14 PM	Container-01 of 02
trans-1,3-Dichloropropene	< 0.50		1	μg/L		5	04/18/2016 10:14 PM	Container-01 of 02
Trichloroethene	<b>*</b> 38.9	*	1	μg/L		5	04/18/2016 10:14 PM	Container-01 of 02
Trichlorofluoromethane	< 0.50		1	μg/L		5	04/18/2016 10:14 PM	Container-01 of 02
Vinyl chloride	< 0.50		1	μg/L		2	04/18/2016 10:14 PM	Container-01 of 02
Surr: 1,2-Dichlorobenzene-d4	93.2		1	%Rec	Limit	70-130	04/18/2016 10:14 PM	Container-01 of 02
Surr: 4-Bromofluorobenzene	85.0		1	%Rec	Limit	70-130	04/18/2016 10:14 PM	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.

B = Found in Blank

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r = Reporting limit below calibration range. Value estimated.

S = Recovery outside of control limits for this analyte

+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method

Result(s) reported meet(s) NYS Regulatory Limit(s).

Result(s) flagged with \*\* Exceed NYS Regulatory Limit(s). Limit noted.

Date Reported: 4/19/2016

Sr.Project Manager: Stu Murrell

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Face Analytical
575 Broad Hollow Road, Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Lab No. : 1604E54-002

Type: Potable Water Origin: Raw Well

Results are only for the samples and analytes requested. Routine

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the tests requested.

**Bethpage Water District** 

25 Adams Ave.

Bethpage, NY 11714

Client Sample ID. : N-08941

**Attn To**: Michael Boufis Federal ID: 2902817

Collected: 04/15/2016 10:30 AM Point No N-08941 Received: 04/15/2016 10:56 AM Location: Well 6-2

Collected By: PS99

Analytical Method: E524.2 : POC Ana									
Parameter(s)	Results Qualifier	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	Analyzed:	Container:			
1,1,1,2-Tetrachloroethane	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02			
1,1,1-Trichloroethane	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02			
1,1,2,2-Tetrachloroethane	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02			
1,1,2-Trichloroethane	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02			
1,1-Dichloroethane	1.01	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02			
1,1-Dichloroethene	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02			
1,1-Dichloropropene	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02			
1,2,3-Trichlorobenzene	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02			
1,2,3-Trichloropropane	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02			
1,2,4-Trichlorobenzene	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02			
1,2,4-Trimethylbenzene	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02			
1,2-Dichlorobenzene	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02			
1,2-Dichloroethane	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02			
1,2-Dichloropropane	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02			
1,3,5-Trimethylbenzene	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02			
1,3-Dichlorobenzene	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02			
1,3-Dichloropropane	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02			
1,4-Dichlorobenzene	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02			
2,2-Dichloropropane	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02			
2/4-Chlorotoluene	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02			
4-Isopropyltoluene	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02			
Benzene	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02			
Bromobenzene	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02			
Bromochloromethane	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02			

Qualifiers: E = Value above quantitation range, Value estimated.

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

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Result(s) reported meet(s) NYS Regulatory Limit(s).

Result(s) flagged with \* Exceed NYS Regulatory Limit(s). Limit noted.

Date Reported: 4/19/2016

Stu Munell

Sr.Project Manager: Stu Murrell

Test results meet the requirements of NELAC unless otherwise noted.

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575 Broad Hollow Road, Melville, NY 11747 TEL: (631) 694-3040 FAX: (631) 420-8436 NYSDOH ID#10478 www.pacelabs.com

# LABORATORY RESULTS

Lab No. : 1604E54-002

Type: Potable Water Origin: Raw Well

Results are only for the samples and analytes requested. Routine

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the tests requested

Bethpage Water District

25 Adams Ave.

Client Sample ID.: N-08941 Bethpage, NY 11714

Attn To: Michael Boufis Federal ID: 2902817

Collected: 04/15/2016 10:30 AM Point No N-08941 Received: 04/15/2016 10:56 AM Location: Well 6-2

Collected By: PS99

Analytical Method: E524.2 : POC						Analyst: MaiN
Parameter(s)	Results Qualifier	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	Analyzed:	Container:
Bromodichloromethane	< 0.50	1	μg/L		04/18/2016 10:39 PM	Container-01 of 02
Bromoform	< 0.50	1	μg/L		04/18/2016 10:39 PM	Container-01 of 02
Bromomethane	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02
Carbon tetrachloride	0.82	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02
Chlorobenzene	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02
Chloroethane	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02
Chloroform	0.80	1	μg/L		04/18/2016 10:39 PM	Container-01 of 02
Chloromethane	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02
cis-1,2-Dichloroethene	1.58	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02
cis-1,3-Dichloropropene	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02
Dibromochloromethane	< 0.50	1	μg/L		04/18/2016 10:39 PM	Container-01 of 02
Dibromomethane	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02
Dichlorodifluoromethane	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02
Ethylbenzene	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02
Hexachlorobutadiene	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02
Isopropylbenzene	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02
m,p-Xylene	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02
Methyl tert-butyl ether	< 0.50	1	μg/L	10	04/18/2016 10:39 PM	Container-01 of 02
Methylene chloride	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02
n-Butylbenzene	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02
n-Propylbenzene	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02
o-Xylene	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02
sec-Butylbenzene	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02
Styrene	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.

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Result(s) reported meet(s) NYS Regulatory Limit(s).

Result(s) flagged with \*\* Exceed NYS Regulatory Limit(s). Limit noted.

Date Reported: 4/19/2016

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Page 5 of 11

575 Broad Hollow Road, Melville, NY 11747 TEL: (631) 694-3040 FAX: (631) 420-8436

NYSDOH ID#10478 www.pacelabs.com

# LABORATORY RESULTS

Type: Potable Water Origin: Raw Well

Results are only for the samples and analytes requested. Routine

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the tests requested

Bethpage Water District

25 Adams Ave.

Bethpage, NY 11714

Client Sample ID.: N-08941

Attn To: Michael Boufis Federal ID: 2902817

Collected: 04/15/2016 10:30 AM Point No N-08941 Received: 04/15/2016 10:56 AM Location: Well 6-2

Collected By: PS99

Analytical Method: E524.2 : P0	OC								Analyst: MaiN
Parameter(s)	Re	esults (	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>		<u>Limit</u>	Analyzed:	Container:
tert-Butylbenzene	<	: 0.50		1	μg/L		5	04/18/2016 10:39 PM	Container-01 of 02
Tetrachloroethene	0	.95		1	μg/L		5	04/18/2016 10:39 PM	Container-01 of 02
Toluene	<	0.50		1	μg/L		5	04/18/2016 10:39 PM	Container-01 of 02
Total Trihalomethanes	<	2.00		1	μg/L		80	04/18/2016 10:39 PM	Container-01 of 02
trans-1,2-Dichloroethene	<	0.50		1	μg/L		5	04/18/2016 10:39 PM	Container-01 of 02
trans-1,3-Dichloropropene	<	0.50		1	μg/L		5	04/18/2016 10:39 PM	Container-01 of 02
Trichloroethene	<b>*</b> 5	71	D*	25	μg/L		5	04/19/2016 9:25 AM	Container-02 of 02
Trichlorofluoromethane	<	0.50		1	μg/L		5	04/18/2016 10:39 PM	Container-01 of 02
Vinyl chloride	<	0.50		1	μg/L		2	04/18/2016 10:39 PM	Container-01 of 02
Surr: 1,2-Dichlorobenzene-d4	9	1.6		1	%Rec	Limit	70-130	04/18/2016 10:39 PM	Container-01 of 02
Surr: 4-Bromofluorobenzene	8	6.0		1	%Rec	Limit	70-130	04/18/2016 10:39 PM	Container-01 of 02

Lab No. : 1604E54-002

Qualifiers: E = Value above quantitation range, Value estimated.

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

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S = Recovery outside of control limits for this analyte

+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method

Result(s) reported meet(s) NYS Regulatory Limit(s).

Result(s) flagged with \*\* Exceed NYS Regulatory Limit(s). Limit noted.

Date Reported: 4/19/2016

Sr.Project Manager: Stu Murrell

Test results meet the requirements of NELAC unless otherwise noted.

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Page 6 of 11

#### **Sample Information:** Type: Potable Water

575 Broad Hollow Road, Melville, NY 11747 TEL: (631) 694-3040 FAX: (631) 420-8436 NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Origin: Treated Well Results are only for the samples and analytes requested. Routine

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the tests requested

**Treatment** 

Bethpage Water District

Lab No. : 1604E54-003 25 Adams Ave. Client Sample ID.: ASGAC-6-16-2 Bethpage, NY 11714

Treated-GAC

Attn To: Michael Boufis Federal ID: 2902817

Collected: 04/15/2016 10:30 AM Point No ASGAC-6-16-2 Received: 04/15/2016 10:56 AM Location: Plant 6 Airstripper/GAC

Collected By: PS99

Analytical Method: E524.2 : POC						Analyst: MaiN
Parameter(s)	Results Qualifier	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	Analyzed:	Container:
1,1,1,2-Tetrachloroethane	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02
1,1,1-Trichloroethane	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02
1,1,2,2-Tetrachloroethane	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02
1,1,2-Trichloroethane	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02
1,1-Dichloroethane	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02
1,1-Dichloroethene	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02
1,1-Dichloropropene	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02
1,2,3-Trichlorobenzene	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02
1,2,3-Trichloropropane	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02
1,2,4-Trichlorobenzene	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02
1,2,4-Trimethylbenzene	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02
1,2-Dichlorobenzene	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02
1,2-Dichloroethane	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02
1,2-Dichloropropane	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02
1,3,5-Trimethylbenzene	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02
1,3-Dichlorobenzene	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02
1,3-Dichloropropane	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02
1,4-Dichlorobenzene	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02
2,2-Dichloropropane	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02
2/4-Chlorotoluene	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02
4-Isopropyltoluene	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02
Benzene	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02
Bromobenzene	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02
Bromochloromethane	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

c = Calibration acceptability criteria exceeded for this analyte. Value estimated

H = Received/analyzed outside of analytical holding time

J = Estimated value - below calibration range

M-, M+ = Matrix Spike recovery below / above control limit

N = Indicates presumptive evidence of compound

P = Duplicate RPD outside of control limit

r = Reporting limit below calibration range. Value estimated.

S = Recovery outside of control limits for this analyte

+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method

Result(s) reported meet(s) NYS Regulatory Limit(s).

Result(s) flagged with \*\* Exceed NYS Regulatory Limit(s). Limit noted.

Date Reported: 4/19/2016

Sr.Project Manager: Stu Murrell

Test results meet the requirements of NELAC unless otherwise noted.

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### **Sample Information:** Type: Potable Water

575 Broad Hollow Road, Melville, NY 11747 TEL: (631) 694-3040 FAX: (631) 420-8436 NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Origin: Treated Well Results are only for the samples and analytes requested. Routine

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the tests requested

**Treatment** 

Bethpage Water District

Lab No. : 1604E54-003 25 Adams Ave. Client Sample ID.: ASGAC-6-16-2 Bethpage, NY 11714

Treated-GAC

Attn To: Michael Boufis Federal ID: 2902817

Collected: 04/15/2016 10:30 AM Point No ASGAC-6-16-2 Received: 04/15/2016 10:56 AM Location: Plant 6 Airstripper/GAC

Collected By: PS99

Analytical Method: E524.2 : POC Analytical Method: MaiN									
Parameter(s)	Results Qualifier	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	Analyzed:	Container:			
Bromodichloromethane	< 0.50	1	μg/L		04/18/2016 9:49 PM	Container-01 of 02			
Bromoform	< 0.50	1	μg/L		04/18/2016 9:49 PM	Container-01 of 02			
Bromomethane	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02			
Carbon tetrachloride	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02			
Chlorobenzene	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02			
Chloroethane	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02			
Chloroform	< 0.50	1	μg/L		04/18/2016 9:49 PM	Container-01 of 02			
Chloromethane	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02			
cis-1,2-Dichloroethene	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02			
cis-1,3-Dichloropropene	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02			
Dibromochloromethane	< 0.50	1	μg/L		04/18/2016 9:49 PM	Container-01 of 02			
Dibromomethane	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02			
Dichlorodifluoromethane	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02			
Ethylbenzene	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02			
Hexachlorobutadiene	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02			
Isopropylbenzene	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02			
m,p-Xylene	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02			
Methyl tert-butyl ether	< 0.50	1	μg/L	10	04/18/2016 9:49 PM	Container-01 of 02			
Methylene chloride	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02			
n-Butylbenzene	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02			
n-Propylbenzene	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02			
o-Xylene	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02			
sec-Butylbenzene	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02			
Styrene	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02			

Qualifiers: E = Value above quantitation range, Value estimated.

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

c = Calibration acceptability criteria exceeded for this analyte. Value estimated

H = Received/analyzed outside of analytical holding time

J = Estimated value - below calibration range

M-, M+ = Matrix Spike recovery below / above control limit

N = Indicates presumptive evidence of compound

P = Duplicate RPD outside of control limit

r = Reporting limit below calibration range. Value estimated.

S = Recovery outside of control limits for this analyte

+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method

Result(s) reported meet(s) NYS Regulatory Limit(s).

Result(s) flagged with \*\* Exceed NYS Regulatory Limit(s). Limit noted.

Date Reported: 4/19/2016

Sr.Project Manager: Stu Murrell

Test results meet the requirements of NELAC unless otherwise noted.

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575 Broad Hollow Road, Melville, NY 11747 TEL: (631) 694-3040 FAX: (631) 420-8436

NYSDOH ID#10478 www.pacelabs.com

## LABORATORY RESULTS

Type: Potable Water Origin: Treated Well Routine

Results are only for the samples and analytes requested.

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the tests requested

**Treatment** 

Bethpage Water District

25 Adams Ave.

Lab No. : 1604E54-003 Client Sample ID.: ASGAC-6-16-2 Bethpage, NY 11714

Treated-GAC

Attn To: Michael Boufis Federal ID: 2902817

Collected: 04/15/2016 10:30 AM Point No ASGAC-6-16-2 Received: 04/15/2016 10:56 AM Location: Plant 6 Airstripper/GAC

Collected By: PS99

Analytical Method: E524.2 : PO	С					Analyst: MaiN
Parameter(s)	Results Qualifier	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	Analyzed:	Container:
tert-Butylbenzene	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02
Tetrachloroethene	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02
Toluene	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02
Total Trihalomethanes	< 2.00	1	μg/L	80	04/18/2016 9:49 PM	Container-01 of 02
trans-1,2-Dichloroethene	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02
trans-1,3-Dichloropropene	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02
Trichloroethene	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02
Trichlorofluoromethane	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02
Vinyl chloride	< 0.50	1	μg/L	2	04/18/2016 9:49 PM	Container-01 of 02
Surr: 1,2-Dichlorobenzene-d4	87.8	1	%Rec	Limit 70-130	04/18/2016 9:49 PM	Container-01 of 02
Surr: 4-Bromofluorobenzene	80.6	1	%Rec	Limit 70-130	04/18/2016 9:49 PM	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

c = Calibration acceptability criteria exceeded for this analyte. Value estimated

H = Received/analyzed outside of analytical holding time

J = Estimated value - below calibration range

M-, M+ = Matrix Spike recovery below / above control limit

N = Indicates presumptive evidence of compound

P = Duplicate RPD outside of control limit

r = Reporting limit below calibration range. Value estimated.

S = Recovery outside of control limits for this analyte

+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method

Result(s) reported meet(s) NYS Regulatory Limit(s).

Result(s) flagged with \*\* Exceed NYS Regulatory Limit(s). Limit noted.

Date Reported: 4/19/2016

Sr.Project Manager: Stu Murrell

Test results meet the requirements of NELAC unless otherwise noted.

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# PACE ANALYTICAL 575 Broad Hollow Road Melville, NY 11747

**Sample Receipt Checklist** 

TEL: (631) 694-3040 FAX: (631) 420-8436 Website: <u>www.pacelabs.com</u>

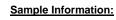
Client Name BWD					Date and T	ime Received:	4/15/2016 10:56:00 AM
Work Order Number: 1	604E54	RcptNo: 1			Received b	y <b>Linda Sicili</b>	ano
Completed by:	Joh S	late_	-	Revie	ewed by:	tu	Nurell
Completed Date:	4/15/2016 11:52:25 A	<u>AM</u>		Revie	ewed Date:	4/15/201	6 2:52:01 PM
Carrier name: Client							
Chain of custody preser	nt?		Yes	<b>✓</b>	No 🗌		
Chain of custody signed	I when relinquished ar	nd received?	Yes	<b>✓</b>	No 🗌		
Chain of custody agrees			Yes	<b>✓</b>	No 🗌		
Are matrices correctly ic		ustody?	Yes	<b>✓</b>	No 🗌		
Is it clear what analyses	were requested?		Yes	<b>✓</b>	No 🗌		
Custody seals intact on	sample bottles?		Yes		No 🗌	Not Present	$\checkmark$
Samples in proper conta	ainer/bottle?		Yes	<b>✓</b>	No 🗆		
Were correct preservative				<b>✓</b>	No 🗆	NA	
Preservative added to b							
Sample Condition?			Intact	<b>✓</b>	Broken	Leaking	
Sufficient sample volum	e for indicated test?		Yes	<b>✓</b>	No 🗌	3	
Were container labels of	omplete (ID, Pres, Da	te)?	Yes	<b>✓</b>	No 🗌		
All samples received wit	thin holding time?		Yes	<b>✓</b>	No 🗌		
Was an attempt made to	o cool the samples?		Yes	<b>~</b>	No 🗌	NA	
All samples received at	•	.0° C?	Yes		No 🗹	NA	
Response when temper	•		Sample	es wer	e collected the san	ne day and chil	lled.
Sample Temp. taken an		-	Yes		No 🗌	To 14	
Water - Were bubbles a	bsent in VOC vials?		Yes	<b>✓</b>	No 🗆	No Vials	
Water - Was there Chlo	rine Present?		Yes		No $\square$	NA	$\checkmark$
Water - pH acceptable u	upon receipt?		Yes	<b>✓</b>	No 🗆	No Water	
Are Samples considered			Yes	<b>✓</b>	No 🗌		
Custody Seals present?			Yes		No 🗹		
Airbill or Sticker?			Air Bil	$\overline{\Box}$	Sticker	Not Present	. 🗸
Airbill No:			7.11 211		Clioker —	14001 100011	. —
				_			
Case Number:	SDG:			S	SAS:		
Any No response shoul	d be detailed in the co	mments section	below, if appli	cable	·		
Client Contacted?	☐ Yes ☐ No	✓ NA	Person Conta	acted:			
Contact Mode:	Phone:	Fax:	Email:		In Person:		
Client Instructions:							
Date Contacted:		Contac	cted By:				
Regarding:							
Comments:							
CorrectiveAction:							



<u>WorkOrder :</u> 1604E54

# **Certifications**

STATE	CERTIFICATION#
NEW YORK	10478
NEW JERSEY	NY158
CONNECTICUT	PH-0435
MARYLAND	208
MAS S ACHUS ETTS	MNY026
NEW HAMPS HIRE	2987
RHODE IS LAND	LAO00340
PENNS YLVANIA	68-00350



575 Broad Hollow Road Melville NY 11747 NYSDOH ID#10478 www.pacelabs.com

# LABORATORY RESULTS

Type: Potable Water Origin: Raw Well

Special

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the tests requested.

Results are only for the samples and analytes requested.

**Bethpage Water District** 

25 Adams Ave.

Bethpage, NY 11714

Lab No. : 1604E53-001

Client Sample ID.: N-03876

Attn To: Michael Boufis Federal ID: 2902817

Collected: 04/15/2016 10:30 AM Point No: N-03876 Received: 04/15/2016 10:56 AM Location: Well 6-1

Collected By: PS99

Analytical Method: E522:		Prep Method: E522			Prep Date: 4	Prep Date: 4/15/2016 1:03:36 PM		
Parameter(s)	<u>Results</u>	Qualifier	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	Analyzed:	Container:	
1,4-Dioxane	12	D	+ 5	μg/L		04/18/2016 3:28 PM	Container-01 of 02	
Surr: 1,4-Dioxane-D8	105		1	%Rec	Limit 70-130	04/17/2016 12:08 AM	Container-01 of 02	

Qualifiers: E = Value above quantitation range, Value estimated.

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

c = Calibration acceptability criteria exceeded for this analyte. Value estimated

H = Received/analyzed outside of analytical holding time

J = Estimated value - below calibration range

M-, M+ = Matrix Spike recovery below / above control limit

N = Indicates presumptive evidence of compound

P = Duplicate RPD outside of control limit

r = Reporting limit below calibration range. Value estimated.

S = Recovery outside of control limits for this analyte

+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method Result(s) reported meet(s) NYS Regulatory Limit(s).

Result(s) flagged with \*\* Exceed NYS Regulatory Limit(s). Limit noted.

Date Reported: 4/19/2016

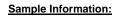
Sty Munell

Sr.Project Manager: Stu Murrell

Test results meet the requirements of NELAC unless otherwise noted.

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Page 1 of 5



575 Broad Hollow Road Melville NY 11747 TEL: (631) 694-3040 FAX: (631) 420-8436 NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Type: Potable Water Origin: Raw Well

Results are only for the samples and analytes requested. Special

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the tests requested.

**Bethpage Water District** 

25 Adams Ave.

Bethpage, NY 11714

Lab No. : 1604E53-002

Client Sample ID.: N-08941

Attn To: Michael Boufis Federal ID: 2902817

Collected: 04/15/2016 10:30 AM Point No: N-08941 Received: 04/15/2016 10:56 AM Location: Well 6-2

Collected By: PS99

Analytical Method: E522 :		Prep Method: E522				Prep Date: 4/15/2016 1:03:36 PM		
Parameter(s)	Results	Qualifier	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	Analyzed:	Container:	
1,4-Dioxane	7.3	D	+ 5	μg/L		04/17/2016 2:10 AM	Container-01 of 02	
Surr: 1.4-Dioxane-D8	93.3		1	%Rec	Limit 70-130	04/17/2016 12:32 AM	Container-01 of 02	

Qualifiers: E = Value above quantitation range, Value estimated.

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

c = Calibration acceptability criteria exceeded for this analyte. Value estimated

H = Received/analyzed outside of analytical holding time

J = Estimated value - below calibration range

M-, M+ = Matrix Spike recovery below / above control limit

N = Indicates presumptive evidence of compound

P = Duplicate RPD outside of control limit

r = Reporting limit below calibration range. Value estimated.

S = Recovery outside of control limits for this analyte

+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method Result(s) reported meet(s) NYS Regulatory Limit(s).

Result(s) flagged with \*\* Exceed NYS Regulatory Limit(s). Limit noted.

Date Reported: 4/19/2016

Stu Munell

Sr.Project Manager: Stu Murrell

Test results meet the requirements of NELAC unless otherwise noted.

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Page 2 of 5



## LABORATORY RESULTS

Type: Potable Water

Origin: Treated Well

Special

**Sample Information:** 

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the tests requested.

Results are only for the samples and analytes requested.

**Treatment** 

**Bethpage Water District** 

25 Adams Ave.

Bethpage, NY 11714

Lab No. : 1604E53-003 Client Sample ID.: ASGAC-6-16-2

Treated-GAC

Attn To: Michael Boufis Federal ID: 2902817

Collected: 04/15/2016 10:30 AM Point No: ASGAC-6-16-2 Received: 04/15/2016 10:56 AM Location: Plant 6 Airstripper/GAC

Collected By: PS99

Analytical Method: E522 :	Prep Method: E522 Pre					<u>Prep Date:</u> 4/15/2016 1:03:36 PM <u>Analyst:</u>		
Parameter(s)	Results	Qualifier	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	Analyzed:	Container:	
1,4-Dioxane	12	D	+ 5	μg/L		04/17/2016 2:35 AM	Container-01 of 02	
Surr: 1,4-Dioxane-D8	98.2		1	%Rec	Limit 70-130	04/17/2016 12:57 AM	Container-01 of 02	

Qualifiers: E = Value above quantitation range, Value estimated.

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

c = Calibration acceptability criteria exceeded for this analyte. Value estimated

H = Received/analyzed outside of analytical holding time

J = Estimated value - below calibration range

M-, M+ = Matrix Spike recovery below / above control limit

N = Indicates presumptive evidence of compound

P = Duplicate RPD outside of control limit

r = Reporting limit below calibration range. Value estimated.

S = Recovery outside of control limits for this analyte

+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method Result(s) reported meet(s) NYS Regulatory Limit(s).

Result(s) flagged with \*\* Exceed NYS Regulatory Limit(s). Limit noted.

Date Reported: 4/19/2016

Stu Munell

Sr.Project Manager: Stu Murrell

Test results meet the requirements of NELAC unless otherwise noted.

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## PACE ANALYTICAL 575 Broad Hollow Road Melville, NY 11747 TEL: (631) 694-3040 FAX: (631) 420-8436

# **Sample Receipt Checklist**

Website: <u>www.pacelabs.com</u>

Received by: Linda Siciliano	Client Name BWD				Date and Tir	me Received:	4/15/2016 10:56:00 AM
Completed Date:	Work Order Number: 1604E53	RcptNo: 1	Received by: Linda Siciliano				nno
Carrier name: Client  Chain of custody present?	Completed by:	att_		Reviewe	ed by: S	tu 7	Turell
Chain of custody present?  Chain of custody signed when relinquished and received?  Chain of custody agrees with sample labels?  Are matrices correctly identified on Chain of custody?  Are samples in proper container/bottle?  Samples in proper container/bottle?  Yes   No   Not Present    Were correct preservatives used and noted?  Yes   No   NA   Present    Were container labels complete (ID, Pres, Date)?  All samples received within holding time?  Was an attempt made to cool the samples?  All samples received at a temp. of > 0° C to 6.0° C?  Yes   No   NA   NA    Water - Was there Chlorine Present?  Water - Were bubbles absent in VOC vials?  Yes   No   No   No    Water - Were bubbles absent in VoC vials?  Yes   No   No   No    Water - Was there Chlorine Present?  Yes   No   No   No    Water - Was there Chlorine Present?  Yes   No   No   No    Water - Was there Chlorine Present?  Yes   No   No   No    Water - Was there Chlorine Present?  Yes   No   No   No    Water - Was there Chlorine Present?  Yes   No   No   No    Water - Was there Chlorine Present?  Yes   No   No   No    Water - Was there Chlorine Present?  Yes   No   No   No    Water - Was there Chlorine Present?  Yes   No   No   No    Water - Was there Chlorine Present?  Yes   No   No   No    Water - Was there Chlorine Present?  Yes   No   No   No    Water - Was there Chlorine Present?  Yes   No   No   No    Water - Was there Chlorine Present?  Yes   No   No   No    Water - Was there Chlorine Present?  Yes   No   No   No    Water - Was there Chlorine Present?  Yes   No   No   No    Water - Was there Chlorine Present?  Yes   No   No   No    Water - Was there Chlorine Present?  Yes	Completed Date: 4/15/2016 11:50:31 A	<u>M</u>		Reviewe	ed Date:	4/15/201	6 2:47:43 PM
Chain of custody signed when relinquished and received?	Carrier name: Client						
Chain of custody agrees with sample labels?	Chain of custody present?		Yes	<b>✓</b>	No 🗌		
Are matrices correctly identified on Chain of custody?	Chain of custody signed when relinquished and	d received?			No 🖳		
Is it clear what analyses were requested?    Yes	Chain of custody agrees with sample labels?						
Custody seals intact on sample bottles?	Are matrices correctly identified on Chain of cu	stody?					
Samples in proper container/bottle?				$\checkmark$			
Were correct preservative added to bottles:           Sample Condition?         Intact	Custody seals intact on sample bottles?					Not Present	
Preservative added to bottles:  Sample Condition?	Samples in proper container/bottle?			_			
Sample Condition?  Sufficient sample volume for indicated test?  Ves V No   Were container labels complete (ID, Pres, Date)?  All samples received within holding time?  Was an attempt made to cool the samples?  All samples received at a temp. of > 0° C to 6.0° C?  Response when temperature is outside of range:  Samples were collected the same day and chilled.  Sample Temp. taken and recorded upon receipt?  Water - Were bubbles absent in VOC vials?  Water - Were bubbles absent in VOC vials?  Water - PH acceptable upon receipt?  Yes No No No Water  Water - PH acceptable upon receipt?  Yes No No Water  Water - PH acceptable upon receipt?  Yes No No Water  Air Samples considered acceptable?  Custody Seals present?  Yes No No Water  Air Bill Sticker  Air Bill Sticker  Any No response should be detailed in the comments section below, if applicable.  Client Contacted? Yes No Person Contacted:  Contact Mode: Phone: Fax: Email: In Person:  Client Instructions:  Date Contacted: Contacted By:  Regarding:  Comments:	Were correct preservatives used and noted?		Yes	<b>✓</b>	No 🗔	NA	
Sufficient sample volume for indicated test?  Were container labels complete (ID, Pres, Date)?  All samples received within holding time?  Was an attempt made to cool the samples?  Was was an attempt made to cool the samples?  Was was an attempt made to cool the samples?  Was was the chorine or receipt?  Water - Was there Chlorine Present?  Water - Was there Chlorine Present?  Water - pH acceptable upon receipt?  Was was made acceptable?  Water - pH acceptable upon receipt?  Was was made acceptable?  Was was made acceptable.  Not Present was made acceptable.  Was was made acceptable.  Was was made acceptable.  Was was made acceptable.  Not Present was made acceptable.  Client Contacted?  Was was made acceptable.  Was was made acceptable.  Was was made acceptable.  Not Present was made acceptable.  Was was made acceptable.  Not Present was made acceptable.  Was was made acceptable.  Not Present was made acceptable.  Client Contacted?  Was was made acceptable.  Not Present was made acceptable.  Not Present was made acceptable.  Not Present was made acceptable.  Contacted?  Was was made acceptable.  Not Present was made acceptable.  Not Present was made acceptable.  In Person:  Client Contacted?  Contacted:  Contacted by:  Regarding:  Comments:	Preservative added to bottles:						
Were container labels complete (ID, Pres, Date)?  All samples received within holding time?  Was an attempt made to cool the samples?  All samples received at a temp. of > 0° C to 6.0° C?  Yes						Leaking	
All samples received within holding time?  Was an attempt made to cool the samples?  Was an attempt made to cool the samples?  Yes  No No NA    All samples received at a temp. of > 0° C to 6.0° C?  Yes  No NA    Response when temperature is outside of range:  Samples were collected the same day and chilled.  Sample Temp. taken and recorded upon receipt?  Yes  No No No Vials  No Vials							
Was an attempt made to cool the samples?  Ves  No  NA  NA  NA  NA  NA  NA  NA  NA  NA		e)?					
All samples received at a temp. of > 0° C to 6.0° C? Yes  No NA  Response when temperature is outside of range: Samples were collected the same day and chilled. Sample Temp. taken and recorded upon receipt? Yes No To 14.9° Water - Were bubbles absent in VOC vials? Yes No No No Vials Water - Was there Chlorine Present? Yes No No No Water Water - pH acceptable upon receipt? Yes No No No Water Are Samples considered acceptable? Yes No No Water Air Bill Sticker Not Present Air Bill Sticker SAS:	All samples received within holding time?				No □		
Response when temperature is outside of range:  Samples were collected the same day and chilled.  Sample Temp. taken and recorded upon receipt?  Yes	Was an attempt made to cool the samples?			<b>✓</b>		NA	
Sample Temp. taken and recorded upon receipt?  Water - Were bubbles absent in VOC vials?  Water - Was there Chlorine Present?  Water - pH acceptable upon receipt?  Are Samples considered acceptable?  Custody Seals present?  Airbill or Sticker?  Airbill No:  Case Number:  SDG:  SAS:  Any No response should be detailed in the comments section below, if applicable.  Client Contacted?  Yes No No Not Present  Any No response should be detailed in the comments section below, if applicable.  Client Instructions:  Date Contacted:  Conta							
Water - Were bubbles absent in VOC vials?  Water - Was there Chlorine Present?  Water - PH acceptable upon receipt?  Are Samples considered acceptable?  Ves  No  No Water  Are Samples considered acceptable?  Ves  No  No  Air Bill  Sticker  Not Present  Any No response should be detailed in the comments section below, if applicable.  Client Contacted? Yes  No  NA Person Contacted:  Contact Mode: Phone: Fax: Email: In Person:  Client Instructions:  Date Contacted: Contacted By:  Regarding:  Comments:							
Water - Was there Chlorine Present?  Water - pH acceptable upon receipt?  Are Samples considered acceptable?  Custody Seals present?  Airbill or Sticker?  Airbill No:  Case Number:  SDG:  SAS:  Any No response should be detailed in the comments section below, if applicable.  Client Contacted?  Yes No No Not Present  Any No response should be detailed in the comments section below, if applicable.  Client Contacted?  Phone:  Fax:  Email:  In Person:  Client Instructions:  Date Contacted:  Contacted:  Contacted By:  Regarding:  Comments:	Sample Temp. taken and recorded upon recei	ot?					
Water - pH acceptable upon receipt?  Are Samples considered acceptable?  Custody Seals present?  Air Bill  Sticker  Not Present   Case Number: SDG: SAS:   Any No response should be detailed in the comments section below, if applicable.  Client Contacted? Yes  No NA Person Contacted:  Contact Mode: Phone: Fax: Email: In Person:  Client Instructions:  Date Contacted: Contacted By:  Regarding:  Comments:	Water - Were bubbles absent in VOC vials?						
Are Samples considered acceptable?  Custody Seals present?  Air Bill Sticker Not Present  Air Bill Sticker Not Present  Air Bill Sticker In Not Present  Any No response should be detailed in the comments section below, if applicable.  Any No response should be detailed in the comments section below, if applicable.  Any No response should be detailed in the comments section below, if applicable.  Any No response should be detailed in the comments section below, if applicable.  Any No response should be detailed in the comments section below, if applicable.  Any No response should be detailed in the comments section below	Water - Was there Chlorine Present?					NA	<b>Y</b>
Custody Seals present?  Airbill or Sticker?  Air Bill Sticker Not Present Air Bill Sticker Not Present Air Bill Sticker Not Present Airbill No:  Case Number: SDG: SAS:  Any No response should be detailed in the comments section below, if applicable.  Client Contacted? Yes No NA Person Contacted:  Contact Mode: Phone: Fax: Email: In Person:  Client Instructions:  Date Contacted: Contacted By:  Regarding:  Comments:	Water - pH acceptable upon receipt?				No 🖳	No Water	
Airbill or Sticker?  Air Bill  Sticker  Not Present  Air Bill  Sticker  Not Present  Airbill No:  Case Number: SDG: SAS:  Any No response should be detailed in the comments section below, if applicable.  Client Contacted?  Yes  No  NA Person Contacted: Contact Mode:  Phone:  Fax:  Imail:  In Person: Client Instructions: Date Contacted:  Contacted By: Regarding: Comments:	Are Samples considered acceptable?		Yes	$\checkmark$	No 🗀		
Airbill No:  Case Number: SDG: SAS:  Any No response should be detailed in the comments section below, if applicable.  Client Contacted? Yes No NA Person Contacted:  Contact Mode: Phone: Fax: Email: In Person:  Client Instructions:  Date Contacted: Contacted By:  Regarding:  Comments:	Custody Seals present?		Yes		No 🗹		
Any No response should be detailed in the comments section below, if applicable.  Client Contacted? Yes No NA Person Contacted: Contact Mode: Phone: Fax: Email: In Person: Client Instructions: Date Contacted: Contacted By: Regarding: Comments:	Airbill or Sticker?		Air Bill		Sticker	Not Present	$\checkmark$
Any No response should be detailed in the comments section below, if applicable.  ———————————————————————————————————	Airbill No:						
Any No response should be detailed in the comments section below, if applicable.  ———————————————————————————————————	Case Number: SDG:			SAS	S:		
Client Contacted?							
Client Contacted?							
Contact Mode: Phone: Fax: Email: In Person:  Client Instructions:  Date Contacted: Contacted By:  Regarding:  Comments:	Any No response should be detailed in the con	mments section below	v, if appli	icable.			
Contact Mode: Phone: Fax: Email: In Person:  Client Instructions:  Date Contacted: Contacted By:  Regarding:  Comments:	Client Contacted?	✓ NA Pare	on Conts	acted.			
Client Instructions:  Date Contacted: Contacted By:  Regarding: Comments:				локов.	In Person:		
Date Contacted: Contacted By: Regarding: Comments:			Liliali.				
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Comments:		Contacted B	у.				
CorrectiveAction:	Comments:						
	CorrectiveAction:						



WorkOrder: 1604E53

# **Certifications**

STATE	<b>CERTIFICATION #</b>
NEW YORK	10478
NEW JERSEY	NY158
CONNECTICUT	PH-0435
MARYLAND	208
MASSACHUSETTS	M-NY026
NEW HAMPSHIRE	2987
RHODE ISLAND	LAO00340
PENNSYLVANIA	68-00350