DEPARTMENT OF PUBLIC WORKS

Division of Sanitation & Water Supply Nassau County, New York

N.Y. STATE NO: N-11633 NASSAU COUNTY WELL NO: L-7

LOCATION: PROSPECT ST. & PLAINVIEW RD. - BETHPAGE
DATE INSTALLED: 8-6-90 TOTAL DEPTH: 1075' COUNTY GRID NO.: U 15

DIAMETER: 4" BOTTOM WELL ELEV.: -974.57' LATD.: 404418

MEAS. POINT: T.O.P. TOP SCREEN ELEV.: -949.57' LONG.: 732815

ELEV. MEAS. PT: 100.43' BOT SCREEN ELEV.: -969.57' AQUIFER: LLOYD

NOT TO SCALE PROSPECT **BETHPAGE** STATE **PARK** 47' -1163[3) TM-Z (N-10977) PRESTAPRES

DEPARTMENT OF PUBLIC WORKS Division of Sanitation & Water Supply Nassau County, New York

NASSAU COUNTY WELL NO:	LOCATION: BETHER SET INSTALLED: 3-28-38 MEAS. POINT: TOK OF PIRE ELEV. MEAS. PT: LOE. 68 (10/15/76) DRILLER: C AFONCET
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REMARKS:

LUCATION SKET

Drawn By: (Checked By:

Date: 9/12/06
Date:

DEPARTMENT OF PUBLIC WORKS Division of Sanitation & Water Supply Nassau County, New York

		\
N.Y. STATE NO: N-11067	_ NASSAU COUNTY	WELL NO: T-IIA
LOCATION: PLAINVIEW ROAD & PROSPECT ST.	BETHPAGE LAT:	Long:
DIAMETER: TOTAL DEPTH	1: <u>99'</u>	EPTH TO WATER:
MEAS: POINT: TOP SCREEN	DEDTH. 92'5.	
ELEV. MEAS. PT: 100,62 SCREEN INTE	RVAL:	DILLED HUDDOGOD LO
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REMARKSI		
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DEPARTMENT OF PUBLIC WORKS Division of Sanitation & Water Supply Nassau County, New York

N.Y. STATE NO: N - 10977		
LOCATION: PLAINNIEW RD 1 PRI	NASSAU COU	NTY WELL NO: TM-Z
DIAMETER: 4"		LUNG:
DIAMETER: 4"	TOTAL DEPTH: U93.5'	_ DEPTH TO WATER.
MILAS. PUINT: TOP OF CASING	TOO COREEL -	DATE INSTALLED 12/1/97
ELEV. MEAS. PT:	SCREEN INTERVAL:	DRILLED, HANDS CO.
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PROSPECT STREET		
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		Colex 73
	WELL NO.	100.90

REMARKSI

Drawn Byi



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.

Nassau County DPW 3340 Merrick Rd. Wantagh, NY 11793

Lab No. : 1606O61-001 Client Sample ID: N-10733

Sample Information:

Type: Groundwater

Origin:

Collected :6/24/2016 10:50:00 AM

Received

Mike Flaherty

Firemans Training Center :6/24/2016 1:15:00 PM

Collected By CLIENT

Attn To:

Analytical Method: SW8260C:	Prep Method: 5030C		30C		Analyst: BL	
Parameter(s)	Results	Qualifier	<u>D.F.</u>	<u>Units</u>	Analyzed:	Container:
1,1,1,2-Tetrachloroethane	< 5.0		1	μg/L	06/24/2016 7:39 PM	Container-01 of 02
1,1,1-Trichloroethane	< 5.0		1	μg/L	06/24/2016 7:39 PM	Container-01 of 02
1,1,2,2-Tetrachloroethane	< 5.0		1	μg/L	06/24/2016 7:39 PM	Container-01 of 02
1,1,2-Trichloroethane	< 5.0		1	μg/L	06/24/2016 7:39 PM	Container-01 of 02
1,1-Dichloroethane	< 5.0		1	μg/L	06/24/2016 7:39 PM	Container-01 of 02
1,1-Dichloroethene	< 5.0		1	μg/L	06/24/2016 7:39 PM	Container-01 of 02
1,1-Dichloropropene	< 5.0		1	μg/L	06/24/2016 7:39 PM	Container-01 of 02
1,2,3-Trichlorobenzene	< 5.0		1	μg/L	06/24/2016 7:39 PM	Container-01 of 02
1,2,3-Trichloropropane	< 5.0		1	μg/L	06/24/2016 7:39 PM	Container-01 of 02
1,2,4,5-Tetramethylbenzene	< 5.0	+	1	μg/L	06/24/2016 7:39 PM	Container-01 of 02
1,2,4-Trichlorobenzene	< 5.0		1	μg/L	06/24/2016 7:39 PM	Container-01 of 02
1,2,4-Trimethylbenzene	< 5.0		1	μg/L	06/24/2016 7:39 PM	Container-01 of 02
1,2-Dibromo-3-chloropropane	< 5.0		1	μg/L	06/24/2016 7:39 PM	Container-01 of 02
1,2-Dibromoethane	< 5.0		1	μg/L	06/24/2016 7:39 PM	Container-01 of 02
1,2-Dichlorobenzene	< 5.0		1	μg/L	06/24/2016 7:39 PM	Container-01 of 02
1,2-Dichloroethane	< 5.0		1	μg/L	06/24/2016 7:39 PM	Container-01 of 02
1,2-Dichloropropane	< 5.0		1	μg/L	06/24/2016 7:39 PM	Container-01 of 02
1,3,5-Trimethylbenzene/P- ethyltoluene	< 5.0		1	μg/L	06/24/2016 7:39 PM	Container-01 of 02
1,3-Dichlorobenzene	< 5.0		1	μg/L	06/24/2016 7:39 PM	Container-01 of 02
1,3-Dichloropropane	< 5.0		1	μg/L	06/24/2016 7:39 PM	Container-01 of 02
1,4-Dichlorobenzene	< 5.0		1	μg/L	06/24/2016 7:39 PM	Container-01 of 02
2,2-Dichloropropane	< 5.0		1	μg/L	06/24/2016 7:39 PM	Container-01 of 02
2-Butanone	< 5.0	С	1	μg/L	06/24/2016 7:39 PM	Container-01 of 02
2-Chloroethylvinyl ether	NR		1	μg/L	06/24/2016 7:39 PM	Container-01 of 02
2-Chlorotoluene/4-Chlorotoluene	< 5.0		1	μg/L	06/24/2016 7:39 PM	Container-01 of 02
2-Hexanone	< 5.0		1	μg/L	06/24/2016 7:39 PM	Container-01 of 02
4-Isopropyltoluene	< 5.0		1	μg/L	06/24/2016 7:39 PM	Container-01 of 02
4-Methyl-2-pentanone	< 5.0		1	μg/L	06/24/2016 7:39 PM	Container-01 of 02
Acetone	< 5.0		1	μg/L	06/24/2016 7:39 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

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

Date Reported: 6/28/2016 Elizabeth Harrison

Project Manager: Elizabeth Harrison

Test results meet the requirements of NELAC unless otherwise noted.

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Page 1 of 5



Results are only for the samples and analytes requested.

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Nassau County DPW 3340 Merrick Rd. Wantagh, NY 11793

Lab No. : 1606O61-001 Client Sample ID: N-10733 Sample Information:

Type: Groundwater

Origin:

Attn To: Mike Flaherty

:6/24/2016 10:50:00 AM

:6/24/2016 1:15:00 PM Firemans Training Center

Collected By CLIENT

Collected

Received

Analytical Method: SW8260C:		Prep N	<u>Method:</u> 5030	OC		Analyst: BL
Parameter(s)	Results	Qualifier	<u>D.F.</u>	<u>Units</u>	Analyzed:	Container:
Acrylonitrile	< 5.0		1	μg/L	06/24/2016 7:39 PM	Container-01 of 02
Benzene	< 5.0		1	μg/L	06/24/2016 7:39 PM	Container-01 of 02
Bromobenzene	< 5.0		1	μg/L	06/24/2016 7:39 PM	Container-01 of 02
Bromochloromethane	< 5.0		1	μg/L	06/24/2016 7:39 PM	Container-01 of 02
Bromodichloromethane	< 5.0		1	μg/L	06/24/2016 7:39 PM	Container-01 of 02
Bromoform	< 5.0	С	1	μg/L	06/24/2016 7:39 PM	Container-01 of 02
Bromomethane	< 5.0		1	μg/L	06/24/2016 7:39 PM	Container-01 of 02
Carbon disulfide	< 5.0		1	μg/L	06/24/2016 7:39 PM	Container-01 of 02
Carbon tetrachloride	< 5.0		1	μg/L	06/24/2016 7:39 PM	Container-01 of 02
Chlorobenzene	< 5.0		1	μg/L	06/24/2016 7:39 PM	Container-01 of 02
Chlorodifluoromethane	< 5.0	+	1	μg/L	06/24/2016 7:39 PM	Container-01 of 02
Chloroethane	< 5.0		1	μg/L	06/24/2016 7:39 PM	Container-01 of 02
Chloroform	< 5.0		1	μg/L	06/24/2016 7:39 PM	Container-01 of 02
Chloromethane	< 5.0		1	μg/L	06/24/2016 7:39 PM	Container-01 of 02
cis-1,2-Dichloroethene	< 5.0		1	μg/L	06/24/2016 7:39 PM	Container-01 of 02
cis-1,3-Dichloropropene	< 5.0		1	μg/L	06/24/2016 7:39 PM	Container-01 of 02
Dibromochloromethane	< 5.0		1	μg/L	06/24/2016 7:39 PM	Container-01 of 02
Dibromomethane	< 5.0		1	μg/L	06/24/2016 7:39 PM	Container-01 of 02
Dichlorodifluoromethane	< 5.0		1	μg/L	06/24/2016 7:39 PM	Container-01 of 02
Ethylbenzene	< 5.0		1	μg/L	06/24/2016 7:39 PM	Container-01 of 02
Freon-113	< 5.0		1	μg/L	06/24/2016 7:39 PM	Container-01 of 02
Hexachlorobutadiene	< 5.0		1	μg/L	06/24/2016 7:39 PM	Container-01 of 02
Isopropylbenzene	< 5.0		1	μg/L	06/24/2016 7:39 PM	Container-01 of 02
m,p-Xylene	< 5.0		1	μg/L	06/24/2016 7:39 PM	Container-01 of 02
Methyl tert-butyl ether	< 5.0		1	μg/L	06/24/2016 7:39 PM	Container-01 of 02
Methylene chloride	< 5.0		1	μg/L	06/24/2016 7:39 PM	Container-01 of 02
Naphthalene	< 5.0		1	μg/L	06/24/2016 7:39 PM	Container-01 of 02
n-Butylbenzene	< 5.0		1	μg/L	06/24/2016 7:39 PM	Container-01 of 02
n-Propylbenzene	< 5.0		1	μg/L	06/24/2016 7:39 PM	Container-01 of 02
o-Xylene	< 5.0		1	μg/L	06/24/2016 7:39 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

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

 $\mbox{+= NYSDOH ELAP does not offer certification for this analyte / matrix / method} \\$

Elizabeth Harrison

Project Manager: Elizabeth Harrison

Test results meet the requirements of NELAC unless otherwise noted.

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Date Reported: 6/28/2016 Page 2 of 5



Results are only for the samples and analytes requested.

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Nassau County DPW 3340 Merrick Rd.

Wantagh, NY 11793

Lab No. : 1606O61-001 Client Sample ID: N-10733

Sample Information:

Type: Groundwater

Origin:

Attn To: Mike Flaherty

:6/24/2016 10:50:00 AM

Firemans Training Center :6/24/2016 1:15:00 PM

Collected By CLIENT

Collected

Received

Analytical Method: SW8260C:	Prep Method: 5030C					Analyst: BL	
Parameter(s)	Results	Qualifier	D.F.	<u>Units</u>		Analyzed:	Container:
p-Diethylbenzene	< 5.0	+	1	μg/L		06/24/2016 7:39 PM	Container-01 of 02
p-Ethyltoluene	< 5.0	+	1	μg/L		06/24/2016 7:39 PM	Container-01 of 02
sec-Butylbenzene	< 5.0		1	μg/L		06/24/2016 7:39 PM	Container-01 of 02
Styrene	< 5.0		1	μg/L		06/24/2016 7:39 PM	Container-01 of 02
tert Amyl methyl ether	< 5.0		1	μg/L		06/24/2016 7:39 PM	Container-01 of 02
tert-Butyl Alcohol	< 5.0		1	μg/L		06/24/2016 7:39 PM	Container-01 of 02
tert-Butylbenzene	< 5.0		1	μg/L		06/24/2016 7:39 PM	Container-01 of 02
Tetrachloroethene	< 5.0		1	μg/L		06/24/2016 7:39 PM	Container-01 of 02
Toluene	< 5.0		1	μg/L		06/24/2016 7:39 PM	Container-01 of 02
trans-1,2-Dichloroethene	< 5.0		1	μg/L		06/24/2016 7:39 PM	Container-01 of 02
trans-1,3-Dichloropropene	< 5.0		1	μg/L		06/24/2016 7:39 PM	Container-01 of 02
Trichloroethene	< 5.0		1	μg/L		06/24/2016 7:39 PM	Container-01 of 02
Trichlorofluoromethane	< 5.0		1	μg/L		06/24/2016 7:39 PM	Container-01 of 02
Vinyl chloride	< 5.0		1	μg/L		06/24/2016 7:39 PM	Container-01 of 02
Surr: 1,2-Dichloroethane-d4	88.9		1	%Rec	Limit 68-153	06/24/2016 7:39 PM	Container-01 of 02
Surr: 4-Bromofluorobenzene	86.2		1	%Rec	Limit 79-124	06/24/2016 7:39 PM	Container-01 of 02
Surr: Toluene-d8	88.9		1	%Rec	Limit 69-124	06/24/2016 7:39 PM	Container-01 of 02

NOTES:

NR=Analyte not reportable due to improper sample preservation.

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

Elizabeth Harrison

Project Manager: Elizabeth Harrison

Test results meet the requirements of NELAC unless otherwise noted.

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Date Reported: 6/28/2016 Page 3 of 5



PACE ANALYTICAL 575 Broad Hollow Road Melville, NY 11747

TEL: (631) 694-3040 FAX: (631) 420-8436

Website: www.pacelabs.com

Sample Receipt Checklist

Date and Time Received: 6/24/2016 1:15:00 PM Client Name NCDPW-A RcptNo: 1 Received by John Stanton Work Order Number: 1606O61 Elizabeth Harrison Completed by: Reviewed by: 6/27/2016 9:24:47 PM Completed Date: 6/24/2016 1:45:51 PM Reviewed Date: Carrier name: Client **~** No 🗌 Chain of custody present? Yes **~** No 🗌 Chain of custody signed when relinquished and received? Yes **~** Chain of custody agrees with sample labels? Yes No ~ Are matrices correctly identified on Chain of custody? Yes No 🗀 Is it clear what analyses were requested? Yes ~ No \square No 🗌 **V** Custody seals intact on sample bottles? Yes Not Present Samples in proper container/bottle? Yes ~ No **~** No 🗌 Were correct preservatives used and noted? Yes NA Preservative added to bottles: **~** Broken 🗔 Sample Condition? Intact Leaking ~ No 🗌 Sufficient sample volume for indicated test? Yes **~** No 🗀 Were container labels complete (ID, Pres, Date)? Yes **~** No 🗌 All samples received within holding time? Yes Yes 🗸 No 🗌 NA Was an attempt made to cool the samples? **~** No 🗌 NA All samples received at a temp. of > 0° C to 6.0° C? Yes Samples were collected the same day and chilled. Response when temperature is outside of range: Sample Temp. taken and recorded upon receipt? Yes **~** No 🗌 0.7 ° To **✓** No \square Yes No Vials Ш Water - Were bubbles absent in VOC vials? No \square **V** Water - Was there Chlorine Present? Yes No \square **~** No Water Water - pH acceptable upon receipt? Yes No 🗌 **V** Are Samples considered acceptable? Yes No 🗹 Custody Seals present? Yes Air Bil Sticker Not Present Airbill or Sticker? Airbill No: Case Number: SDG: SAS: Any No response should be detailed in the comments section below, if applicable. ☐ No ✓ NA Client Contacted? Yes Person Contacted: Contact Mode: Phone: Fax: Email: In Person: Client Instructions: Date Contacted: Contacted By: Regarding: Comments: CorrectiveAction:



<u>WorkOrder :</u> 1606O61

Certifications

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



www.pacelabs.com

NYSDOH ID#10478 **Nassau County DPW** 3340 Merrick Rd.

Wantagh, NY 11793 Attn To: Mike Flaherty

Collected :6/17/2016 11:50:00 AM

:6/17/2016 1:55:00 PM Collected By VE99

Received

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.

Lab No. : 1606I50-001

Client Sample ID: N-10977

Origin:

Sample Information:

Type: Groundwater

Firemans Training Center

Analytical Method: SW8260C :		Prep N	<u>Method:</u> 5030	OC .		Analyst: KG
Parameter(s)	Results	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	Analyzed:	Container:
1,1,1,2-Tetrachloroethane	< 5.0		1	μg/L	06/20/2016 8:09 PM	Container-01 of 02
1,1,1-Trichloroethane	< 5.0		1	μg/L	06/20/2016 8:09 PM	Container-01 of 02
1,1,2,2-Tetrachloroethane	< 5.0		1	μg/L	06/20/2016 8:09 PM	Container-01 of 02
1,1,2-Trichloroethane	< 5.0		1	μg/L	06/20/2016 8:09 PM	Container-01 of 02
1,1-Dichloroethane	< 5.0	S	1	μg/L	06/20/2016 8:09 PM	Container-01 of 02
1,1-Dichloroethene	< 5.0		1	μg/L	06/20/2016 8:09 PM	Container-01 of 02
1,1-Dichloropropene	< 5.0		1	μg/L	06/20/2016 8:09 PM	Container-01 of 02
1,2,3-Trichlorobenzene	< 5.0		1	μg/L	06/20/2016 8:09 PM	Container-01 of 02
1,2,3-Trichloropropane	< 5.0		1	μg/L	06/20/2016 8:09 PM	Container-01 of 02
1,2,4,5-Tetramethylbenzene	< 5.0	+	1	μg/L	06/20/2016 8:09 PM	Container-01 of 02
1,2,4-Trichlorobenzene	< 5.0		1	μg/L	06/20/2016 8:09 PM	Container-01 of 02
1,2,4-Trimethylbenzene	< 5.0		1	μg/L	06/20/2016 8:09 PM	Container-01 of 02
1,2-Dibromo-3-chloropropane	< 5.0	С	1	μg/L	06/20/2016 8:09 PM	Container-01 of 02
1,2-Dibromoethane	< 5.0		1	μg/L	06/20/2016 8:09 PM	Container-01 of 02
1,2-Dichlorobenzene	< 5.0		1	μg/L	06/20/2016 8:09 PM	Container-01 of 02
1,2-Dichloroethane	< 5.0		1	μg/L	06/20/2016 8:09 PM	Container-01 of 02
1,2-Dichloropropane	< 5.0		1	μg/L	06/20/2016 8:09 PM	Container-01 of 02
1,3,5-Trimethylbenzene/P- ethyltoluene	< 5.0		1	μg/L	06/20/2016 8:09 PM	Container-01 of 02
1,3-Dichlorobenzene	< 5.0		1	μg/L	06/20/2016 8:09 PM	Container-01 of 02
1,3-Dichloropropane	< 5.0		1	μg/L	06/20/2016 8:09 PM	Container-01 of 02
1,4-Dichlorobenzene	< 5.0		1	μg/L	06/20/2016 8:09 PM	Container-01 of 02
2,2-Dichloropropane	< 5.0		1	μg/L	06/20/2016 8:09 PM	Container-01 of 02
2-Butanone	< 5.0		1	μg/L	06/20/2016 8:09 PM	Container-01 of 02
2-Chloroethylvinyl ether	< 5.0		1	μg/L	06/20/2016 8:09 PM	Container-01 of 02
2-Chlorotoluene/4-Chlorotoluene	< 5.0		1	μg/L	06/20/2016 8:09 PM	Container-01 of 02
2-Hexanone	< 5.0		1	μg/L	06/20/2016 8:09 PM	Container-01 of 02
4-Isopropyltoluene	< 5.0		1	μg/L	06/20/2016 8:09 PM	Container-01 of 02
4-Methyl-2-pentanone	< 5.0		1	μg/L	06/20/2016 8:09 PM	Container-01 of 02
Acetone	< 5.0		1	μg/L	06/20/2016 8:09 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

Elizabeth Harrison

Project Manager: Elizabeth Harrison

Test results meet the requirements of NELAC unless otherwise noted.

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Date Reported: 6/22/2016 Page 1 of 5



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Nassau County DPW 3340 Merrick Rd. Wantagh, NY 11793

Lab No. : 1606I50-001 Client Sample ID: N-10977 Sample Information:

Type: Groundwater

Attn To: Mike Flaherty
Collected: :6/17/2016 11:50:0

:6/17/2016 11:50:00 AM :6/17/2016 1:55:00 PM

Firemans Training Center

Origin:

Collected By VE99

Received

Analytical Method: SW8260C:		Prep M	lethod: 5030)C		Analyst: KG
Parameter(s)	Results	Qualifier	<u>D.F.</u>	<u>Units</u>	Analyzed:	Container:
Acrylonitrile	< 5.0		1	μg/L	06/20/2016 8:09 PM	Container-01 of 02
Benzene	< 5.0		1	μg/L	06/20/2016 8:09 PM	Container-01 of 02
Bromobenzene	< 5.0		1	μg/L	06/20/2016 8:09 PM	Container-01 of 02
Bromochloromethane	< 5.0		1	μg/L	06/20/2016 8:09 PM	Container-01 of 02
Bromodichloromethane	< 5.0		1	μg/L	06/20/2016 8:09 PM	Container-01 of 02
Bromoform	< 5.0		1	μg/L	06/20/2016 8:09 PM	Container-01 of 02
Bromomethane	< 5.0		1	μg/L	06/20/2016 8:09 PM	Container-01 of 02
Carbon disulfide	< 5.0	С	1	μg/L	06/20/2016 8:09 PM	Container-01 of 02
Carbon tetrachloride	< 5.0		1	μg/L	06/20/2016 8:09 PM	Container-01 of 02
Chlorobenzene	< 5.0		1	μg/L	06/20/2016 8:09 PM	Container-01 of 02
Chlorodifluoromethane	< 5.0	+	1	μg/L	06/20/2016 8:09 PM	Container-01 of 02
Chloroethane	< 5.0	С	1	μg/L	06/20/2016 8:09 PM	Container-01 of 02
Chloroform	< 5.0		1	μg/L	06/20/2016 8:09 PM	Container-01 of 02
Chloromethane	< 5.0		1	μg/L	06/20/2016 8:09 PM	Container-01 of 02
cis-1,2-Dichloroethene	< 5.0		1	μg/L	06/20/2016 8:09 PM	Container-01 of 02
cis-1,3-Dichloropropene	< 5.0		1	μg/L	06/20/2016 8:09 PM	Container-01 of 02
Dibromochloromethane	< 5.0		1	μg/L	06/20/2016 8:09 PM	Container-01 of 02
Dibromomethane	< 5.0		1	μg/L	06/20/2016 8:09 PM	Container-01 of 02
Dichlorodifluoromethane	< 5.0		1	μg/L	06/20/2016 8:09 PM	Container-01 of 02
Ethylbenzene	< 5.0		1	μg/L	06/20/2016 8:09 PM	Container-01 of 02
Freon-113	< 5.0		1	μg/L	06/20/2016 8:09 PM	Container-01 of 02
Hexachlorobutadiene	< 5.0		1	μg/L	06/20/2016 8:09 PM	Container-01 of 02
Isopropylbenzene	< 5.0		1	μg/L	06/20/2016 8:09 PM	Container-01 of 02
m,p-Xylene	< 5.0		1	μg/L	06/20/2016 8:09 PM	Container-01 of 02
Methyl tert-butyl ether	< 5.0		1	μg/L	06/20/2016 8:09 PM	Container-01 of 02
Methylene chloride	< 5.0		1	μg/L	06/20/2016 8:09 PM	Container-01 of 02
Naphthalene	< 5.0		1	μg/L	06/20/2016 8:09 PM	Container-01 of 02
n-Butylbenzene	< 5.0		1	μg/L	06/20/2016 8:09 PM	Container-01 of 02
n-Propylbenzene	< 5.0		1	μg/L	06/20/2016 8:09 PM	Container-01 of 02
o-Xylene	< 5.0		1	μg/L	06/20/2016 8:09 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

Elizabeth Harrison

Project Manager: Elizabeth Harrison

Test results meet the requirements of NELAC unless otherwise noted.

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Date Reported: 6/22/2016 Page 2 of 5



Results are only for the samples and analytes requested.

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Nassau County DPW 3340 Merrick Rd. Wantagh, NY 11793

Lab No. : 1606I50-001 Client Sample ID: N-10977

Sample Information:

Type: Groundwater

Origin:

Attn To: Mike Flaherty Collected

:6/17/2016 11:50:00 AM

Firemans Training Center :6/17/2016 1:55:00 PM

Collected By VE99

Received

Analytical Method: SW8260C :	Prep Method: 5		<u>1ethod:</u> 503	OC .			Analyst: KG
Parameter(s)	Results	Qualifier	<u>D.F.</u>	<u>Units</u>		Analyzed:	Container:
p-Diethylbenzene	< 5.0	+	1	μg/L		06/20/2016 8:09 PM	Container-01 of 02
p-Ethyltoluene	< 5.0	+	1	μg/L		06/20/2016 8:09 PM	Container-01 of 02
sec-Butylbenzene	< 5.0		1	μg/L		06/20/2016 8:09 PM	Container-01 of 02
Styrene	< 5.0		1	μg/L		06/20/2016 8:09 PM	Container-01 of 02
tert Amyl methyl ether	< 5.0		1	μg/L		06/20/2016 8:09 PM	Container-01 of 02
tert-Butyl Alcohol	< 5.0		1	μg/L		06/20/2016 8:09 PM	Container-01 of 02
tert-Butylbenzene	< 5.0		1	μg/L		06/20/2016 8:09 PM	Container-01 of 02
Tetrachloroethene	< 5.0	С	1	μg/L		06/20/2016 8:09 PM	Container-01 of 02
Toluene	< 5.0		1	μg/L		06/20/2016 8:09 PM	Container-01 of 02
trans-1,2-Dichloroethene	< 5.0		1	μg/L		06/20/2016 8:09 PM	Container-01 of 02
trans-1,3-Dichloropropene	< 5.0		1	μg/L		06/20/2016 8:09 PM	Container-01 of 02
Trichloroethene	< 5.0		1	μg/L		06/20/2016 8:09 PM	Container-01 of 02
Trichlorofluoromethane	< 5.0		1	μg/L		06/20/2016 8:09 PM	Container-01 of 02
Vinyl chloride	< 5.0		1	μg/L		06/20/2016 8:09 PM	Container-01 of 02
Surr: 1,2-Dichloroethane-d4	83.3		1	%Rec	Limit 68-153	06/20/2016 8:09 PM	Container-01 of 02
Surr: 4-Bromofluorobenzene	88.6		1	%Rec	Limit 79-124	06/20/2016 8:09 PM	Container-01 of 02
Surr: Toluene-d8	82.5		1	%Rec	Limit 69-124	06/20/2016 8:09 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

Elizabeth Harrison

Project Manager: Elizabeth Harrison

Test results meet the requirements of NELAC unless otherwise noted.

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Date Reported: 6/22/2016 Page 3 of 5



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 NCDPW-A			Date ar	nd Time Received:	6/17/2016 1:55:00 PM
Work Order Number: 1606I50 RcptNo: 1	I		Receive	ed by Linda Sicilia	ano
Completed by: Jackyn Zwi		Revi	ewed by:	Elizabeth	Harrison
Completed Date: 6/17/2016 8:08:23 PM		Revi	ewed Date:	6/20/2010	6 8:29:24 PM
Carrier name: <u>Client</u>					
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? Is it clear what analyses were requested? Custody seals intact on sample bottles?	Yes Yes Yes Yes Yes	> > > > —	No	Not Present	✓
Samples in proper container/bottle? Were correct preservatives used and noted? Preservative added to bottles:	Yes Yes	✓	No 🗌 No 🗀	NA	
Sample Condition? Sufficient sample volume for indicated test? Were container labels complete (ID, Pres, Date)? All samples received within holding time?	Intact Yes Yes Yes	>>>	Broken No No No No	Leaking	
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:	Yes Yes Sample	es we	No ☐ No ✔ re collected the	NA NA same day and chill	 ed.
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?	Yes Yes Yes Yes Yes	> > > >	No	To 16 No Vials NA No Water	.9 °
Custody Seals present? Airbill or Sticker? Airbill No:	Yes Air Bil		No ⊻ Sticker □	Not Present	\checkmark
Case Number: SDG:		S	SAS:		
Any No response should be detailed in the comments section in the comments in the comments in the comments of the comments in the comments in the comments of the comments in the comments in the comments of the comments in	on below, if appl	licable). 	:=====	========
	Person Cont Email: tacted By:	acted:	☐ In Person	1:	
Regarding: Comments:					
CorrectiveAction:					



<u>WorkOrder :</u> 1606I50

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



www.pacelabs.com

NYSDOH ID#10478

Nassau County DPW 3340 Merrick Rd. Wantagh, NY 11793

Lab No. : 1606K10-001 Client Sample ID: N-11633 Mike Flaherty

:6/20/2016 1:15:00 PM Firemans Training Center :6/21/2016 10:00:00 AM

Collected By CLIENT

Attn To:

Collected

Received

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.

Sample Information:

Type: Groundwater

Origin:

Analytical Method: SW8260C:		Prep N	<u>//ethod:</u> 5030	OC		Analyst: KG
Parameter(s)	Results	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	Analyzed:	Container:
1,1,1,2-Tetrachloroethane	< 5.0		1	μg/L	06/22/2016 8:46 PM	Container-01 of 0
1,1,1-Trichloroethane	< 5.0		1	μg/L	06/22/2016 8:46 PM	Container-01 of 0
1,1,2,2-Tetrachloroethane	< 5.0		1	μg/L	06/22/2016 8:46 PM	Container-01 of 0
1,1,2-Trichloroethane	< 5.0		1	μg/L	06/22/2016 8:46 PM	Container-01 of 0
1,1-Dichloroethane	< 5.0	S	1	μg/L	06/22/2016 8:46 PM	Container-01 of 0
1,1-Dichloroethene	< 5.0		1	μg/L	06/22/2016 8:46 PM	Container-01 of 0
,1-Dichloropropene	< 5.0		1	μg/L	06/22/2016 8:46 PM	Container-01 of 0
1,2,3-Trichlorobenzene	< 5.0		1	μg/L	06/22/2016 8:46 PM	Container-01 of 0
1,2,3-Trichloropropane	< 5.0		1	μg/L	06/22/2016 8:46 PM	Container-01 of 0
1,2,4,5-Tetramethylbenzene	< 5.0	+	1	μg/L	06/22/2016 8:46 PM	Container-01 of 0
1,2,4-Trichlorobenzene	< 5.0		1	μg/L	06/22/2016 8:46 PM	Container-01 of 0
,2,4-Trimethylbenzene	< 5.0		1	μg/L	06/22/2016 8:46 PM	Container-01 of 0
,2-Dibromo-3-chloropropane	< 5.0		1	μg/L	06/22/2016 8:46 PM	Container-01 of 0
,2-Dibromoethane	< 5.0		1	μg/L	06/22/2016 8:46 PM	Container-01 of 0
,2-Dichlorobenzene	< 5.0		1	μg/L	06/22/2016 8:46 PM	Container-01 of 0
,2-Dichloroethane	< 5.0		1	μg/L	06/22/2016 8:46 PM	Container-01 of 0
,2-Dichloropropane	< 5.0		1	μg/L	06/22/2016 8:46 PM	Container-01 of 0
1,3,5-Trimethylbenzene/P- ethyltoluene	< 5.0		1	μg/L	06/22/2016 8:46 PM	Container-01 of (
,3-Dichlorobenzene	< 5.0		1	μg/L	06/22/2016 8:46 PM	Container-01 of 0
,3-Dichloropropane	< 5.0		1	μg/L	06/22/2016 8:46 PM	Container-01 of 0
,4-Dichlorobenzene	< 5.0		1	μg/L	06/22/2016 8:46 PM	Container-01 of 0
2,2-Dichloropropane	< 5.0		1	μg/L	06/22/2016 8:46 PM	Container-01 of 0
2-Butanone	< 5.0	С	1	μg/L	06/22/2016 8:46 PM	Container-01 of 0
2-Chloroethylvinyl ether	NR	cS	1	μg/L	06/22/2016 8:46 PM	Container-01 of 0
2-Chlorotoluene/4-Chlorotoluene	< 5.0		1	μg/L	06/22/2016 8:46 PM	Container-01 of 0
2-Hexanone	< 5.0	С	1	μg/L	06/22/2016 8:46 PM	Container-01 of
-Isopropyltoluene	< 5.0		1	μg/L	06/22/2016 8:46 PM	Container-01 of
l-Methyl-2-pentanone	< 5.0		1	μg/L	06/22/2016 8:46 PM	Container-01 of
Acetone	< 5.0		1	μg/L	06/22/2016 8:46 PM	Container-01 of

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

Date Reported:

r = Reporting limit below calibration range. Value estimated.

6/24/2016

S = Recovery outside of control limits for this analyte

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

Elizabeth Harrison

Project Manager: Elizabeth Harrison

Test results meet the requirements of NELAC unless otherwise noted.

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Page 1 of 8



Results are only for the samples and analytes requested.

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Nassau County DPW 3340 Merrick Rd. Wantagh, NY 11793

Lab No. : 1606K10-001 Client Sample ID: N-11633 Sample Information:

Type: Groundwater

Origin:

Attn To: Mike Flaherty

Collected: 6/20/2016 1:15:00 PM

Received : 6/21/2016 10:00:00 AM

Firemans Training Center

Collected By CLIENT

Analytical Method: SW8260C:		Prep M	<u>1ethod:</u> 5030	OC .		Analyst: KG
Parameter(s)	Results	Qualifier	<u>D.F.</u>	<u>Units</u>	Analyzed:	Container:
Acrylonitrile	< 5.0		1	μg/L	06/22/2016 8:46 PM	Container-01 of 02
Benzene	< 5.0		1	μg/L	06/22/2016 8:46 PM	Container-01 of 02
Bromobenzene	< 5.0		1	μg/L	06/22/2016 8:46 PM	Container-01 of 02
Bromochloromethane	< 5.0		1	μg/L	06/22/2016 8:46 PM	Container-01 of 02
Bromodichloromethane	< 5.0		1	μg/L	06/22/2016 8:46 PM	Container-01 of 02
Bromoform	< 5.0		1	μg/L	06/22/2016 8:46 PM	Container-01 of 02
Bromomethane	< 5.0		1	μg/L	06/22/2016 8:46 PM	Container-01 of 02
Carbon disulfide	< 5.0		1	μg/L	06/22/2016 8:46 PM	Container-01 of 02
Carbon tetrachloride	< 5.0		1	μg/L	06/22/2016 8:46 PM	Container-01 of 02
Chlorobenzene	< 5.0		1	μg/L	06/22/2016 8:46 PM	Container-01 of 02
Chlorodifluoromethane	< 5.0	+	1	μg/L	06/22/2016 8:46 PM	Container-01 of 02
Chloroethane	< 5.0		1	μg/L	06/22/2016 8:46 PM	Container-01 of 02
Chloroform	< 5.0		1	μg/L	06/22/2016 8:46 PM	Container-01 of 02
Chloromethane	< 5.0	С	1	μg/L	06/22/2016 8:46 PM	Container-01 of 02
cis-1,2-Dichloroethene	< 5.0		1	μg/L	06/22/2016 8:46 PM	Container-01 of 02
cis-1,3-Dichloropropene	< 5.0		1	μg/L	06/22/2016 8:46 PM	Container-01 of 02
Dibromochloromethane	< 5.0		1	μg/L	06/22/2016 8:46 PM	Container-01 of 02
Dibromomethane	< 5.0		1	μg/L	06/22/2016 8:46 PM	Container-01 of 02
Dichlorodifluoromethane	< 5.0		1	μg/L	06/22/2016 8:46 PM	Container-01 of 02
Ethylbenzene	< 5.0		1	μg/L	06/22/2016 8:46 PM	Container-01 of 02
Freon-113	< 5.0		1	μg/L	06/22/2016 8:46 PM	Container-01 of 02
Hexachlorobutadiene	< 5.0		1	μg/L	06/22/2016 8:46 PM	Container-01 of 02
Isopropylbenzene	< 5.0		1	μg/L	06/22/2016 8:46 PM	Container-01 of 02
m,p-Xylene	< 5.0		1	μg/L	06/22/2016 8:46 PM	Container-01 of 02
Methyl tert-butyl ether	< 5.0		1	μg/L	06/22/2016 8:46 PM	Container-01 of 02
Methylene chloride	< 5.0		1	μg/L	06/22/2016 8:46 PM	Container-01 of 02
Naphthalene	< 5.0		1	μg/L	06/22/2016 8:46 PM	Container-01 of 02
n-Butylbenzene	< 5.0		1	μg/L	06/22/2016 8:46 PM	Container-01 of 02
n-Propylbenzene	< 5.0		1	μg/L	06/22/2016 8:46 PM	Container-01 of 02
o-Xylene	< 5.0		1	μg/L	06/22/2016 8:46 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

Elizabeth Harrison

Project Manager : Elizabeth Harrison

Test results meet the requirements of NELAC unless otherwise noted.

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Date Reported: 6/24/2016

Page 2 of 8



Results are only for the samples and analytes requested.

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Nassau County DPW 3340 Merrick Rd. Wantagh, NY 11793

Lab No. : 1606K10-001

Sample Information:

Type: Groundwater

Attn To: Mike Flaherty

:6/20/2016 1:15:00 PM

Firemans Training Center

Client Sample ID: N-11633

Origin:

:6/21/2016 10:00:00 AM Collected By CLIENT

Collected

Received

Analytical Method: SW8260C:		Prep M	ethod: 5030)C			Analyst: KG
Parameter(s)	Results	Qualifier	D.F.	<u>Units</u>		Analyzed:	Container:
p-Diethylbenzene	< 5.0	+	1	μg/L		06/22/2016 8:46 PM	Container-01 of 02
p-Ethyltoluene	< 5.0	+	1	μg/L		06/22/2016 8:46 PM	Container-01 of 02
sec-Butylbenzene	< 5.0		1	μg/L		06/22/2016 8:46 PM	Container-01 of 02
Styrene	< 5.0		1	μg/L		06/22/2016 8:46 PM	Container-01 of 02
tert Amyl methyl ether	< 5.0		1	μg/L		06/22/2016 8:46 PM	Container-01 of 02
tert-Butyl Alcohol	< 5.0		1	μg/L		06/22/2016 8:46 PM	Container-01 of 02
tert-Butylbenzene	< 5.0		1	μg/L		06/22/2016 8:46 PM	Container-01 of 02
Tetrachloroethene	< 5.0		1	μg/L		06/22/2016 8:46 PM	Container-01 of 02
Toluene	< 5.0		1	μg/L		06/22/2016 8:46 PM	Container-01 of 02
trans-1,2-Dichloroethene	< 5.0		1	μg/L		06/22/2016 8:46 PM	Container-01 of 02
trans-1,3-Dichloropropene	< 5.0		1	μg/L		06/22/2016 8:46 PM	Container-01 of 02
Trichloroethene	< 5.0		1	μg/L		06/22/2016 8:46 PM	Container-01 of 02
Trichlorofluoromethane	< 5.0		1	μg/L		06/22/2016 8:46 PM	Container-01 of 02
Vinyl chloride	< 5.0	С	1	μg/L		06/22/2016 8:46 PM	Container-01 of 02
Surr: 1,2-Dichloroethane-d4	79.5		1	%Rec	Limit 68-153	06/22/2016 8:46 PM	Container-01 of 02
Surr: 4-Bromofluorobenzene	97.8		1	%Rec	Limit 79-124	06/22/2016 8:46 PM	Container-01 of 02
Surr: Toluene-d8	83.9		1	%Rec	Limit 69-124	06/22/2016 8:46 PM	Container-01 of 02

NOTES:

NR=Analyte not reportable due to improper sample preservation.

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

Date Reported: 6/24/2016 Elizabeth Harrison

Project Manager: Elizabeth Harrison

Test results meet the requirements of NELAC unless otherwise noted.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Page 3 of 8



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.

Nassau County DPW 3340 Merrick Rd. Wantagh, NY 11793

Lab No. : 1606K10-002 Client Sample ID: N-11067 Sample Information:

Type: Groundwater

Origin:

Attn To: Mike Flaherty

Collected : 6/20/2016 10:50:00 AM

:6/21/2016 10:00:00 AM

Firemans Training Center

Collected By CLIENT

Received

Analytical Method: SW8260C:		Prep N	Method: 5030	OC .		Analyst: KG
Parameter(s)	Results	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	Analyzed:	Container:
1,1,1,2-Tetrachloroethane	< 5.0		1	μg/L	06/22/2016 9:04 PM	Container-01 of 02
1,1,1-Trichloroethane	< 5.0		1	μg/L	06/22/2016 9:04 PM	Container-01 of 02
1,1,2,2-Tetrachloroethane	< 5.0		1	μg/L	06/22/2016 9:04 PM	Container-01 of 02
1,1,2-Trichloroethane	< 5.0		1	μg/L	06/22/2016 9:04 PM	Container-01 of 02
1,1-Dichloroethane	< 5.0	S	1	μg/L	06/22/2016 9:04 PM	Container-01 of 02
1,1-Dichloroethene	< 5.0		1	μg/L	06/22/2016 9:04 PM	Container-01 of 02
1,1-Dichloropropene	< 5.0		1	μg/L	06/22/2016 9:04 PM	Container-01 of 02
1,2,3-Trichlorobenzene	< 5.0		1	μg/L	06/22/2016 9:04 PM	Container-01 of 02
1,2,3-Trichloropropane	< 5.0		1	μg/L	06/22/2016 9:04 PM	Container-01 of 02
1,2,4,5-Tetramethylbenzene	< 5.0	+	1	μg/L	06/22/2016 9:04 PM	Container-01 of 02
1,2,4-Trichlorobenzene	< 5.0		1	μg/L	06/22/2016 9:04 PM	Container-01 of 02
1,2,4-Trimethylbenzene	< 5.0		1	μg/L	06/22/2016 9:04 PM	Container-01 of 02
1,2-Dibromo-3-chloropropane	< 5.0		1	μg/L	06/22/2016 9:04 PM	Container-01 of 02
1,2-Dibromoethane	< 5.0		1	μg/L	06/22/2016 9:04 PM	Container-01 of 02
1,2-Dichlorobenzene	< 5.0		1	μg/L	06/22/2016 9:04 PM	Container-01 of 02
1,2-Dichloroethane	< 5.0		1	μg/L	06/22/2016 9:04 PM	Container-01 of 02
1,2-Dichloropropane	< 5.0		1	μg/L	06/22/2016 9:04 PM	Container-01 of 02
1,3,5-Trimethylbenzene/P- ethyltoluene	< 5.0		1	μg/L	06/22/2016 9:04 PM	Container-01 of 02
1,3-Dichlorobenzene	< 5.0		1	μg/L	06/22/2016 9:04 PM	Container-01 of 02
1,3-Dichloropropane	< 5.0		1	μg/L	06/22/2016 9:04 PM	Container-01 of 02
1,4-Dichlorobenzene	< 5.0		1	μg/L	06/22/2016 9:04 PM	Container-01 of 02
2,2-Dichloropropane	< 5.0		1	μg/L	06/22/2016 9:04 PM	Container-01 of 02
2-Butanone	< 5.0	С	1	μg/L	06/22/2016 9:04 PM	Container-01 of 02
2-Chloroethylvinyl ether	NR	cS	1	μg/L	06/22/2016 9:04 PM	Container-01 of 02
2-Chlorotoluene/4-Chlorotoluene	< 5.0		1	μg/L	06/22/2016 9:04 PM	Container-01 of 02
2-Hexanone	< 5.0	С	1	μg/L	06/22/2016 9:04 PM	Container-01 of 02
4-Isopropyltoluene	< 5.0		1	μg/L	06/22/2016 9:04 PM	Container-01 of 02
4-Methyl-2-pentanone	< 5.0		1	μg/L	06/22/2016 9:04 PM	Container-01 of 02
Acetone	< 5.0		1	μg/L	06/22/2016 9:04 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

IVCDOLLELAD de se met effer contification for th

Elizabeth Harrison

Project Manager: Elizabeth Harrison

Test results meet the requirements of NELAC unless otherwise noted.

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Date Reported: 6/24/2016 Page 4 of 8



NYSDOH ID#10478 www.pacelabs.com

Nassau County DPW 3340 Merrick Rd.

:6/20/2016 10:50:00 AM

Attn To: Mike Flaherty

Received :6/21/2016 10:00:00 AM

Collected By CLIENT

Collected

Wantagh, NY 11793

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.

Lab No. : 1606K10-002

Client Sample ID: N-11067

Firemans Training Center

Sample Information:

Type: Groundwater

Origin:

Analytical Method: SW8260C:	Pre	o Method: 503	0C		Analyst: KG
Parameter(s)	Results Qualifier	<u>D.F.</u>	<u>Units</u>	Analyzed:	Container:
Acrylonitrile	< 5.0	1	μg/L	06/22/2016 9:04 PM	Container-01 of 0
Benzene	< 5.0	1	μg/L	06/22/2016 9:04 PM	Container-01 of 0
Bromobenzene	< 5.0	1	μg/L	06/22/2016 9:04 PM	Container-01 of 0
Bromochloromethane	< 5.0	1	μg/L	06/22/2016 9:04 PM	Container-01 of 0
Bromodichloromethane	< 5.0	1	μg/L	06/22/2016 9:04 PM	Container-01 of 0
Bromoform	< 5.0	1	μg/L	06/22/2016 9:04 PM	Container-01 of 0
Bromomethane	< 5.0	1	μg/L	06/22/2016 9:04 PM	Container-01 of 0
Carbon disulfide	< 5.0	1	μg/L	06/22/2016 9:04 PM	Container-01 of 0
Carbon tetrachloride	< 5.0	1	μg/L	06/22/2016 9:04 PM	Container-01 of 0
Chlorobenzene	< 5.0	1	μg/L	06/22/2016 9:04 PM	Container-01 of 0
Chlorodifluoromethane	< 5.0	+ 1	μg/L	06/22/2016 9:04 PM	Container-01 of 0
Chloroethane	< 5.0	1	μg/L	06/22/2016 9:04 PM	Container-01 of 0
Chloroform	< 5.0	1	μg/L	06/22/2016 9:04 PM	Container-01 of 0
Chloromethane	< 5.0 c	1	μg/L	06/22/2016 9:04 PM	Container-01 of 0
cis-1,2-Dichloroethene	< 5.0	1	μg/L	06/22/2016 9:04 PM	Container-01 of 0
cis-1,3-Dichloropropene	< 5.0	1	μg/L	06/22/2016 9:04 PM	Container-01 of 0
Dibromochloromethane	< 5.0	1	μg/L	06/22/2016 9:04 PM	Container-01 of 0
Dibromomethane	< 5.0	1	μg/L	06/22/2016 9:04 PM	Container-01 of 0
Dichlorodifluoromethane	< 5.0	1	μg/L	06/22/2016 9:04 PM	Container-01 of 0
Ethylbenzene	< 5.0	1	μg/L	06/22/2016 9:04 PM	Container-01 of 0
Freon-113	< 5.0	1	μg/L	06/22/2016 9:04 PM	Container-01 of 0
Hexachlorobutadiene	< 5.0	1	μg/L	06/22/2016 9:04 PM	Container-01 of 0
Isopropylbenzene	< 5.0	1	μg/L	06/22/2016 9:04 PM	Container-01 of 0
m,p-Xylene	< 5.0	1	μg/L	06/22/2016 9:04 PM	Container-01 of 0
Methyl tert-butyl ether	< 5.0	1	μg/L	06/22/2016 9:04 PM	Container-01 of 0
Methylene chloride	< 5.0	1	μg/L	06/22/2016 9:04 PM	Container-01 of 0
Naphthalene	< 5.0	1	μg/L	06/22/2016 9:04 PM	Container-01 of 0
n-Butylbenzene	< 5.0	1	μg/L	06/22/2016 9:04 PM	Container-01 of 0
n-Propylbenzene	< 5.0	1	μg/L	06/22/2016 9:04 PM	Container-01 of 0
o-Xylene	< 5.0	1	μg/L	06/22/2016 9:04 PM	Container-01 of 0

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

Date Reported: 6/24/2016 Elizabeth Harrison

Project Manager: Elizabeth Harrison

Test results meet the requirements of NELAC unless otherwise noted.

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Page 5 of 8



NYSDOH ID#10478 www.pacelabs.com

Nassau County DPW

3340 Merrick Rd. Wantagh, NY 11793

Attn To: Mike Flaherty Collected :6/20/2016 10:50:00 AM

Received :6/21/2016 10:00:00 AM

Firemans Training Center

Collected By CLIENT

LABORATORY RESULTS

Lab No. : 1606K10-002

Client Sample ID: N-11067

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.

Sample Information:

Type: Groundwater

Origin:

Collected By CLIENT							L
Analytical Method: SW8260C:		Prep M	lethod: 5030	С			Analyst: KG
Parameter(s)	Results (<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>		Analyzed:	Container:
p-Diethylbenzene	< 5.0	+	1	μg/L		06/22/2016 9:04 PM	Container-01 of 02
p-Ethyltoluene	< 5.0	+	1	μg/L		06/22/2016 9:04 PM	Container-01 of 02
sec-Butylbenzene	< 5.0		1	μg/L		06/22/2016 9:04 PM	Container-01 of 02
Styrene	< 5.0		1	μg/L		06/22/2016 9:04 PM	Container-01 of 02
tert Amyl methyl ether	< 5.0		1	μg/L		06/22/2016 9:04 PM	Container-01 of 02
tert-Butyl Alcohol	< 5.0		1	μg/L		06/22/2016 9:04 PM	Container-01 of 02
tert-Butylbenzene	< 5.0		1	μg/L		06/22/2016 9:04 PM	Container-01 of 02
Tetrachloroethene	< 5.0		1	μg/L		06/22/2016 9:04 PM	Container-01 of 02
Toluene	< 5.0		1	μg/L		06/22/2016 9:04 PM	Container-01 of 02
trans-1,2-Dichloroethene	< 5.0		1	μg/L		06/22/2016 9:04 PM	Container-01 of 02
trans-1,3-Dichloropropene	< 5.0		1	μg/L		06/22/2016 9:04 PM	Container-01 of 02
Trichloroethene	< 5.0		1	μg/L		06/22/2016 9:04 PM	Container-01 of 02
Trichlorofluoromethane	< 5.0		1	μg/L		06/22/2016 9:04 PM	Container-01 of 02
Vinyl chloride	< 5.0	С	1	μg/L		06/22/2016 9:04 PM	Container-01 of 02
Surr: 1,2-Dichloroethane-d4	82.2		1	%Rec	Limit 68-153	06/22/2016 9:04 PM	Container-01 of 02
Surr: 4-Bromofluorobenzene	109		1	%Rec	Limit 79-124	06/22/2016 9:04 PM	Container-01 of 02
Surr: Toluene-d8	82.0		1	%Rec	Limit 69-124	06/22/2016 9:04 PM	Container-01 of 02

NOTES:

NR=Analyte not reportable due to improper sample preservation.

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

Elizabeth Harrison

Project Manager: Elizabeth Harrison

Test results meet the requirements of NELAC unless otherwise noted.

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Date Reported: 6/24/2016 Page 6 of 8



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 NCDP	W-A			Date and Time Received: 6/21/2016 10:00:00 AM					
Work Order Number:	1606K10	RcptNo: 1			Receiv	red by John Stanto	on		
Completed by:	John	State	_	Revi	ewed by:	Elnahet	2 Harrison		
Completed Date:	6/21/2016 11:54	1:44 AM		Revi	ewed Date:	6/23/201	6 3:57:11 PM		
Carrier name: Client									
Chain of custody prese	ent?		Yes	✓	No 🗌				
Chain of custody signe	ed when relinquish	ed and received?	Yes	✓	No 🗌				
Chain of custody agree	es with sample lab	els?	Yes	✓	No 🗌				
Are matrices correctly	identified on Chai	n of custody?	Yes	✓	No 🗌				
Is it clear what analyse	es were requested	?	Yes	✓	No 🗌				
Custody seals intact of	n sample bottles?		Yes		No 🗌	Not Present	\checkmark		
Samples in proper con	ntainer/bottle?		Yes	✓	No 🗌				
Were correct preserva		ted?	Yes	✓	No 🗌	NA			
Preservative added to									
Sample Condition?			Intact	✓	Broken	Leaking			
Sufficient sample volui	me for indicated to	est?	Yes	✓	No 🗌	J			
Were container labels	complete (ID, Pre	s, Date)?	Yes	✓	No 🗆				
All samples received v	vithin holding time	?	Yes	✓	No 🗆				
Was an attempt made	to cool the sample	es?	Yes	✓	No 🗆	NA			
All samples received a			Yes	✓	No 🗌	NA			
Response when tempe									
Sample Temp. taken a		-	Yes	✓	No 🗌	To 1	I.1 °		
Water - Were bubbles	absent in VOC vi	als?	Yes	✓	No 🗆	No Vials			
Water - Was there Chl	lorine Present?		Yes		No 🗆	NA	✓		
Water - pH acceptable			Yes	✓	No 🗆	No Water			
Are Samples consider			Yes	✓	No 🗌				
Custody Seals present			Yes		No 🗹				
Airbill or Sticker?			Air Bil		Sticker	Not Present	✓		
Airbill No:									
		000		,	240				
Case Number:		SDG:		:	SAS:				
Any No response show	uld be detailed in	the comments section	below, if appl	licable	·. 				
Client Contacted?	□ Yes □	No 🔽 NA	Person Cont	acted:					
Contact Mode:	Phone:	Fax:	Email:	aoto a	☐ In Persor	n·			
Client Instructions:	i none.	I ux.	Email.			11.			
		01-	atad Du						
Date Contacted:		Conta	cted By:						
Regarding:									
Comments:									
CorrectiveAction:									



WorkOrder: 1606K10

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



TEL: (631) 694-3040 FAX: (631) 420-8436 www.pacelabs.com

NYSDOH ID#10478 **Nassau County DPW** 3340 Merrick Rd.

Wantagh, NY 11793 Attn To: Mike Flaherty

:6/27/2016 10:40:00 AM Collected Received :6/27/2016 2:30:00 PM

Collected By CLIENT

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.

Lab No. : 1606Q21-001

Client Sample ID: N-11724

Firemans Training Center

Sample Information:

Type: Groundwater

Origin:

Analytical Method: SW8260C:		Prep I	<u>Method:</u> 5030	OC		Analyst: KG
Parameter(s)	Results	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	Analyzed:	Container:
1,1,1,2-Tetrachloroethane	< 5.0		1	μg/L	06/29/2016 7:39 PM	Container-01 of 0
1,1,1-Trichloroethane	< 5.0		1	μg/L	06/29/2016 7:39 PM	Container-01 of 0
1,1,2,2-Tetrachloroethane	< 5.0	С	1	μg/L	06/29/2016 7:39 PM	Container-01 of
1,1,2-Trichloroethane	< 5.0		1	μg/L	06/29/2016 7:39 PM	Container-01 of
1,1-Dichloroethane	< 5.0		1	μg/L	06/29/2016 7:39 PM	Container-01 of
1,1-Dichloroethene	< 5.0		1	μg/L	06/29/2016 7:39 PM	Container-01 of
1,1-Dichloropropene	< 5.0		1	μg/L	06/29/2016 7:39 PM	Container-01 of
1,2,3-Trichlorobenzene	< 5.0		1	μg/L	06/29/2016 7:39 PM	Container-01 of
1,2,3-Trichloropropane	< 5.0		1	μg/L	06/29/2016 7:39 PM	Container-01 of
1,2,4,5-Tetramethylbenzene	< 5.0	+	- 1	μg/L	06/29/2016 7:39 PM	Container-01 of
1,2,4-Trichlorobenzene	< 5.0		1	μg/L	06/29/2016 7:39 PM	Container-01 of
,2,4-Trimethylbenzene	< 5.0		1	μg/L	06/29/2016 7:39 PM	Container-01 of
,2-Dibromo-3-chloropropane	< 5.0		1	μg/L	06/29/2016 7:39 PM	Container-01 of
,2-Dibromoethane	< 5.0		1	μg/L	06/29/2016 7:39 PM	Container-01 of
1,2-Dichlorobenzene	< 5.0		1	μg/L	06/29/2016 7:39 PM	Container-01 of
1,2-Dichloroethane	< 5.0		1	μg/L	06/29/2016 7:39 PM	Container-01 of
1,2-Dichloropropane	< 5.0	cS	1	μg/L	06/29/2016 7:39 PM	Container-01 of
1,3,5-Trimethylbenzene/P- ethyltoluene	< 5.0		1	μg/L	06/29/2016 7:39 PM	Container-01 of
1,3-Dichlorobenzene	< 5.0		1	μg/L	06/29/2016 7:39 PM	Container-01 of
,3-Dichloropropane	< 5.0		1	μg/L	06/29/2016 7:39 PM	Container-01 of
,4-Dichlorobenzene	< 5.0		1	μg/L	06/29/2016 7:39 PM	Container-01 of
2,2-Dichloropropane	< 5.0		1	μg/L	06/29/2016 7:39 PM	Container-01 of
2-Butanone	< 5.0	С	1	μg/L	06/29/2016 7:39 PM	Container-01 of
2-Chloroethylvinyl ether	NR		1	μg/L	06/29/2016 7:39 PM	Container-01 of
2-Chlorotoluene/4-Chlorotoluene	< 5.0		1	μg/L	06/29/2016 7:39 PM	Container-01 of
2-Hexanone	< 5.0		1	μg/L	06/29/2016 7:39 PM	Container-01 of
1-Isopropyltoluene	< 5.0		1	μg/L	06/29/2016 7:39 PM	Container-01 of
1-Methyl-2-pentanone	< 5.0	С	1	μg/L	06/29/2016 7:39 PM	Container-01 of
Acetone	< 5.0	С	1	μg/L	06/29/2016 7:39 PM	Container-01 of

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

Elizabeth Harrison

Project Manager: Elizabeth Harrison

Test results meet the requirements of NELAC unless otherwise noted.

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Date Reported: 7/1/2016 Page 1 of 8



Mike Flaherty

LABORATORY RESULTS

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Nassau County DPW 3340 Merrick Rd. Wantagh, NY 11793

Lab No. : 1606Q21-001 Client Sample ID: N-11724

Sample Information:

Type: Groundwater

Origin:

Collected :6/27/2016 10:40:00 AM

Received

Firemans Training Center :6/27/2016 2:30:00 PM

Collected By CLIENT

Attn To:

Analytical Method: SW8260C:		Prep M	<u>1ethod:</u> 5030	OC		Analyst: KG
Parameter(s)	Results	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	Analyzed:	Container:
Acrylonitrile	< 5.0		1	μg/L	06/29/2016 7:39 PM	Container-01 of 02
Benzene	< 5.0		1	μg/L	06/29/2016 7:39 PM	Container-01 of 02
Bromobenzene	< 5.0		1	μg/L	06/29/2016 7:39 PM	Container-01 of 02
Bromochloromethane	< 5.0		1	μg/L	06/29/2016 7:39 PM	Container-01 of 02
Bromodichloromethane	< 5.0		1	μg/L	06/29/2016 7:39 PM	Container-01 of 02
Bromoform	< 5.0		1	μg/L	06/29/2016 7:39 PM	Container-01 of 02
Bromomethane	< 5.0		1	μg/L	06/29/2016 7:39 PM	Container-01 of 02
Carbon disulfide	< 5.0		1	μg/L	06/29/2016 7:39 PM	Container-01 of 02
Carbon tetrachloride	< 5.0		1	μg/L	06/29/2016 7:39 PM	Container-01 of 02
Chlorobenzene	< 5.0		1	μg/L	06/29/2016 7:39 PM	Container-01 of 02
Chlorodifluoromethane	< 5.0	+	1	μg/L	06/29/2016 7:39 PM	Container-01 of 02
Chloroethane	< 5.0	С	1	μg/L	06/29/2016 7:39 PM	Container-01 of 02
Chloroform	< 5.0		1	μg/L	06/29/2016 7:39 PM	Container-01 of 02
Chloromethane	< 5.0		1	μg/L	06/29/2016 7:39 PM	Container-01 of 02
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cis-1,3-Dichloropropene	< 5.0		1	μg/L	06/29/2016 7:39 PM	Container-01 of 02
Dibromochloromethane	< 5.0		1	μg/L	06/29/2016 7:39 PM	Container-01 of 02
Dibromomethane	< 5.0		1	μg/L	06/29/2016 7:39 PM	Container-01 of 02
Dichlorodifluoromethane	< 5.0		1	μg/L	06/29/2016 7:39 PM	Container-01 of 02
Ethylbenzene	< 5.0		1	μg/L	06/29/2016 7:39 PM	Container-01 of 02
Freon-113	< 5.0		1	μg/L	06/29/2016 7:39 PM	Container-01 of 02
Hexachlorobutadiene	< 5.0		1	μg/L	06/29/2016 7:39 PM	Container-01 of 02
Isopropylbenzene	< 5.0		1	μg/L	06/29/2016 7:39 PM	Container-01 of 02
m,p-Xylene	< 5.0		1	μg/L	06/29/2016 7:39 PM	Container-01 of 02
Methyl tert-butyl ether	< 5.0		1	μg/L	06/29/2016 7:39 PM	Container-01 of 02
Methylene chloride	< 5.0		1	μg/L	06/29/2016 7:39 PM	Container-01 of 02
Naphthalene	< 5.0		1	μg/L	06/29/2016 7:39 PM	Container-01 of 02
n-Butylbenzene	< 5.0		1	μg/L	06/29/2016 7:39 PM	Container-01 of 02
n-Propylbenzene	< 5.0		1	μg/L	06/29/2016 7:39 PM	Container-01 of 02
o-Xylene	< 5.0		1	μg/L	06/29/2016 7:39 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

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

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Elizabeth Harrison

Project Manager: Elizabeth Harrison

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Date Reported: 7/1/2016 Page 2 of 8



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NYSDOH ID#10478

Nassau County DPW 3340 Merrick Rd. Wantagh, NY 11793

Attn To: Mike Flaherty

Received :6/27/2016 2:30:00 PM

:6/27/2016 10:40:00 AM Firemans Training Center

Collected By CLIENT

Collected

LABORATORY RESULTS

Lab No. : 1606Q21-001

Client Sample ID: N-11724

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.

Sample Information:

Type: Groundwater

Origin:

Analytical Method: SW8260C:		Prep M	<u>lethod:</u> 5030	0C				Analyst: KG
Parameter(s)	Results	Qualifier	<u>D.F.</u>	<u>Units</u>			Analyzed:	Container:
p-Diethylbenzene	< 5.0	+	1	μg/L			06/29/2016 7:39 PM	Container-01 of 02
p-Ethyltoluene	< 5.0	+	1	μg/L			06/29/2016 7:39 PM	Container-01 of 02
sec-Butylbenzene	< 5.0		1	μg/L			06/29/2016 7:39 PM	Container-01 of 02
Styrene	< 5.0		1	μg/L			06/29/2016 7:39 PM	Container-01 of 02
tert Amyl methyl ether	< 5.0		1	μg/L			06/29/2016 7:39 PM	Container-01 of 02
tert-Butyl Alcohol	< 5.0		1	μg/L			06/29/2016 7:39 PM	Container-01 of 02
tert-Butylbenzene	< 5.0		1	μg/L			06/29/2016 7:39 PM	Container-01 of 02
Tetrachloroethene	< 5.0		1	μg/L			06/29/2016 7:39 PM	Container-01 of 02
Toluene	< 5.0		1	μg/L			06/29/2016 7:39 PM	Container-01 of 02
trans-1,2-Dichloroethene	< 5.0		1	μg/L			06/29/2016 7:39 PM	Container-01 of 02
trans-1,3-Dichloropropene	< 5.0		1	μg/L			06/29/2016 7:39 PM	Container-01 of 02
Trichloroethene	< 5.0		1	μg/L			06/29/2016 7:39 PM	Container-01 of 02
Trichlorofluoromethane	< 5.0		1	μg/L			06/29/2016 7:39 PM	Container-01 of 02
Vinyl chloride	< 5.0		1	μg/L			06/29/2016 7:39 PM	Container-01 of 02
Surr: 1,2-Dichloroethane-d4	87.0		1	%Rec	Limit	68-153	06/29/2016 7:39 PM	Container-01 of 02
Surr: 4-Bromofluorobenzene	89.6		1	%Rec	Limit	79-124	06/29/2016 7:39 PM	Container-01 of 02
Surr: Toluene-d8	80.7		1	%Rec	Limit	69-124	06/29/2016 7:39 PM	Container-01 of 02

NOTES:

NR=Analyte not reportable due to improper sample preservation.

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

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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

Elizabeth Harrison

Project Manager: Elizabeth Harrison

Test results meet the requirements of NELAC unless otherwise noted.

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Date Reported: 7/1/2016 Page 3 of 8



Results are only for the samples and analytes requested.

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Nassau County DPW 3340 Merrick Rd.

Lab No. : 1606Q21-002 Wantagh, NY 11793 Client Sample ID: N-11731

Sample Information:

Type: Groundwater

Origin:

Attn To: Mike Flaherty Collected :6/27/2016 1:35:00 PM

Received :6/27/2016 2:30:00 PM

Firemans Training Center

Collected By CLIENT

Analytical Method: SW8260C :		Prep N	<u>lethod:</u> 5030	OC		Analyst: KG
Parameter(s)	Results	Qualifier	<u>D.F.</u>	<u>Units</u>	Analyzed:	Container:
1,1,1,2-Tetrachloroethane	< 5.0		1	μg/L	06/29/2016 7:57 PM	Container-01 of 02
1,1,1-Trichloroethane	< 5.0		1	μg/L	06/29/2016 7:57 PM	Container-01 of 02
1,1,2,2-Tetrachloroethane	< 5.0	С	1	μg/L	06/29/2016 7:57 PM	Container-01 of 02
1,1,2-Trichloroethane	< 5.0		1	μg/L	06/29/2016 7:57 PM	Container-01 of 02
1,1-Dichloroethane	< 5.0		1	μg/L	06/29/2016 7:57 PM	Container-01 of 02
1,1-Dichloroethene	< 5.0		1	μg/L	06/29/2016 7:57 PM	Container-01 of 02
1,1-Dichloropropene	< 5.0		1	μg/L	06/29/2016 7:57 PM	Container-01 of 02
1,2,3-Trichlorobenzene	< 5.0		1	μg/L	06/29/2016 7:57 PM	Container-01 of 02
1,2,3-Trichloropropane	< 5.0		1	μg/L	06/29/2016 7:57 PM	Container-01 of 02
1,2,4,5-Tetramethylbenzene	< 5.0	+	1	μg/L	06/29/2016 7:57 PM	Container-01 of 02
1,2,4-Trichlorobenzene	< 5.0		1	μg/L	06/29/2016 7:57 PM	Container-01 of 02
1,2,4-Trimethylbenzene	< 5.0		1	μg/L	06/29/2016 7:57 PM	Container-01 of 02
1,2-Dibromo-3-chloropropane	< 5.0		1	μg/L	06/29/2016 7:57 PM	Container-01 of 02
1,2-Dibromoethane	< 5.0		1	μg/L	06/29/2016 7:57 PM	Container-01 of 02
1,2-Dichlorobenzene	< 5.0		1	μg/L	06/29/2016 7:57 PM	Container-01 of 02
1,2-Dichloroethane	< 5.0		1	μg/L	06/29/2016 7:57 PM	Container-01 of 02
1,2-Dichloropropane	< 5.0	cS	1	μg/L	06/29/2016 7:57 PM	Container-01 of 02
1,3,5-Trimethylbenzene/P- ethyltoluene	< 5.0		1	μg/L	06/29/2016 7:57 PM	Container-01 of 02
1,3-Dichlorobenzene	< 5.0		1	μg/L	06/29/2016 7:57 PM	Container-01 of 02
1,3-Dichloropropane	< 5.0		1	μg/L	06/29/2016 7:57 PM	Container-01 of 02
1,4-Dichlorobenzene	< 5.0		1	μg/L	06/29/2016 7:57 PM	Container-01 of 02
2,2-Dichloropropane	< 5.0		1	μg/L	06/29/2016 7:57 PM	Container-01 of 02
2-Butanone	< 5.0	С	1	μg/L	06/29/2016 7:57 PM	Container-01 of 02
2-Chloroethylvinyl ether	NR		1	μg/L	06/29/2016 7:57 PM	Container-01 of 02
2-Chlorotoluene/4-Chlorotoluene	< 5.0		1	μg/L	06/29/2016 7:57 PM	Container-01 of 02
2-Hexanone	< 5.0		1	μg/L	06/29/2016 7:57 PM	Container-01 of 02
4-Isopropyltoluene	< 5.0		1	μg/L	06/29/2016 7:57 PM	Container-01 of 02
4-Methyl-2-pentanone	< 5.0	С	1	μg/L	06/29/2016 7:57 PM	Container-01 of 02
Acetone	< 5.0	С	1	μg/L	06/29/2016 7:57 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

Elizabeth Harrison

Project Manager: Elizabeth Harrison

Test results meet the requirements of NELAC unless otherwise noted.

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Date Reported: 7/1/2016 Page 4 of 8



Mike Flaherty

LABORATORY RESULTS

Results are only for the samples and analytes requested.

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Nassau County DPW 3340 Merrick Rd. Wantagh, NY 11793

Lab No. : 1606Q21-002

Sample Information:

Type : Groundwater

Client Sample ID: N-11731

Origin:

Collected : 6/27/2016 1:35:00 PM

Received : 6/27/2016 2:30:00 PM

Firemans Training Center

Collected By CLIENT

Attn To:

Analytical Method: SW8260C:		Prep Method: 5030	C		Analyst: KG
Parameter(s)	Results Qua	<u>D.F.</u>	<u>Units</u>	Analyzed:	Container:
Acrylonitrile	< 5.0	1	μg/L	06/29/2016 7:57 PM	Container-01 of 02
Benzene	< 5.0	1	μg/L	06/29/2016 7:57 PM	Container-01 of 02
Bromobenzene	< 5.0	1	μg/L	06/29/2016 7:57 PM	Container-01 of 02
Bromochloromethane	< 5.0	1	μg/L	06/29/2016 7:57 PM	Container-01 of 02
Bromodichloromethane	< 5.0	1	μg/L	06/29/2016 7:57 PM	Container-01 of 02
Bromoform	< 5.0	1	μg/L	06/29/2016 7:57 PM	Container-01 of 02
Bromomethane	< 5.0	1	μg/L	06/29/2016 7:57 PM	Container-01 of 02
Carbon disulfide	< 5.0	1	μg/L	06/29/2016 7:57 PM	Container-01 of 02
Carbon tetrachloride	< 5.0	1	μg/L	06/29/2016 7:57 PM	Container-01 of 02
Chlorobenzene	< 5.0	1	μg/L	06/29/2016 7:57 PM	Container-01 of 02
Chlorodifluoromethane	< 5.0	+ 1	μg/L	06/29/2016 7:57 PM	Container-01 of 02
Chloroethane	< 5.0	c 1	μg/L	06/29/2016 7:57 PM	Container-01 of 02
Chloroform	< 5.0	1	μg/L	06/29/2016 7:57 PM	Container-01 of 02
Chloromethane	< 5.0	1	μg/L	06/29/2016 7:57 PM	Container-01 of 02
cis-1,2-Dichloroethene	< 5.0	1	μg/L	06/29/2016 7:57 PM	Container-01 of 02
cis-1,3-Dichloropropene	< 5.0	1	μg/L	06/29/2016 7:57 PM	Container-01 of 02
Dibromochloromethane	< 5.0	1	μg/L	06/29/2016 7:57 PM	Container-01 of 02
Dibromomethane	< 5.0	1	μg/L	06/29/2016 7:57 PM	Container-01 of 02
Dichlorodifluoromethane	< 5.0	1	μg/L	06/29/2016 7:57 PM	Container-01 of 02
Ethylbenzene	< 5.0	1	μg/L	06/29/2016 7:57 PM	Container-01 of 02
Freon-113	< 5.0	1	μg/L	06/29/2016 7:57 PM	Container-01 of 02
Hexachlorobutadiene	< 5.0	1	μg/L	06/29/2016 7:57 PM	Container-01 of 02
Isopropylbenzene	< 5.0	1	μg/L	06/29/2016 7:57 PM	Container-01 of 02
m,p-Xylene	< 5.0	1	μg/L	06/29/2016 7:57 PM	Container-01 of 02
Methyl tert-butyl ether	< 5.0	1	μg/L	06/29/2016 7:57 PM	Container-01 of 02
Methylene chloride	< 5.0	1	μg/L	06/29/2016 7:57 PM	Container-01 of 02
Naphthalene	< 5.0	1	μg/L	06/29/2016 7:57 PM	Container-01 of 02
n-Butylbenzene	< 5.0	1	μg/L	06/29/2016 7:57 PM	Container-01 of 02
n-Propylbenzene	< 5.0	1	μg/L	06/29/2016 7:57 PM	Container-01 of 02
o-Xylene	< 5.0	1	μg/L	06/29/2016 7:57 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

 ${\bf +} = {\bf NYSDOH} \ {\bf ELAP} \ does \ not \ offer \ certification \ for \ this \ analyte \ / \ matrix \ / \ method$

Elizabeth Harrison

Project Manager: Elizabeth Harrison

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Date Reported: 7/1/2016 Page 5 of 8



Mike Flaherty

LABORATORY RESULTS

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Nassau County DPW 3340 Merrick Rd.

Sample Information:

Type: Groundwater

Origin:

Collected : 6/27/2016 1:35:00 PM

Received :6/27/2016 2:30:00 PM

O:00 PM Firemans Training Center

Collected By CLIENT

Attn To:

Analytical Method: SW8260C:	Prep Method: 5030C				Analyst: KG		
Parameter(s)	Results	Qualifier	D.F.	<u>Units</u>	Analyzed:		Container:
p-Diethylbenzene	< 5.0	+	1	μg/L		06/29/2016 7:57 PM	Container-01 of 02
p-Ethyltoluene	< 5.0	+	1	μg/L		06/29/2016 7:57 PM	Container-01 of 02
sec-Butylbenzene	< 5.0		1	μg/L		06/29/2016 7:57 PM	Container-01 of 02
Styrene	< 5.0		1	μg/L		06/29/2016 7:57 PM	Container-01 of 02
tert Amyl methyl ether	< 5.0		1	μg/L		06/29/2016 7:57 PM	Container-01 of 02
tert-Butyl Alcohol	< 5.0		1	μg/L		06/29/2016 7:57 PM	Container-01 of 02
tert-Butylbenzene	< 5.0		1	μg/L		06/29/2016 7:57 PM	Container-01 of 02
Tetrachloroethene	< 5.0		1	μg/L		06/29/2016 7:57 PM	Container-01 of 02
Toluene	< 5.0		1	μg/L		06/29/2016 7:57 PM	Container-01 of 02
trans-1,2-Dichloroethene	< 5.0		1	μg/L		06/29/2016 7:57 PM	Container-01 of 02
trans-1,3-Dichloropropene	< 5.0		1	μg/L		06/29/2016 7:57 PM	Container-01 of 02
Trichloroethene	< 5.0		1	μg/L		06/29/2016 7:57 PM	Container-01 of 02
Trichlorofluoromethane	< 5.0		1	μg/L		06/29/2016 7:57 PM	Container-01 of 02
Vinyl chloride	< 5.0		1	μg/L		06/29/2016 7:57 PM	Container-01 of 02
Surr: 1,2-Dichloroethane-d4	87.3		1	%Rec	Limit 68-153	06/29/2016 7:57 PM	Container-01 of 02
Surr: 4-Bromofluorobenzene	84.9		1	%Rec	Limit 79-124	06/29/2016 7:57 PM	Container-01 of 02
Surr: Toluene-d8	81.0		1	%Rec	Limit 69-124	06/29/2016 7:57 PM	Container-01 of 02

NOTES:

NR=Analyte not reportable due to improper sample preservation.

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

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Date Reported : 7/1/2016

Elizabeth Harrison

Project Manager: Elizabeth Harrison

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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: www.pacelabs.com

Client Name NCDPW-A			Date and	Time Received:	6/27/2016 2:30:00 PM	
Work Order Number: 1606Q21 RcptNo: 1			Received	by Paige Dohe	rty	
Completed by: Paige Doharty		Reviewed b	oy: $oldsymbol{\mathcal{E}}$	enaleth	Harrison	
Completed Date: 6/27/2016 4:10:27 PM	•	Reviewed [Date:	6/27/2010	6 9:50:24 PM	
Carrier name: <u>Client</u>						
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? Is it clear what analyses were requested? Custody seals intact on sample bottles?	Yes Yes Yes Yes Yes	> > > >	No	Not Present	✓	
Samples in proper container/bottle? Were correct preservatives used and noted? Preservative added to bottles:	Yes Yes	✓	No 🗌	NA		
Sample Condition? Sufficient sample volume for indicated test? Were container labels complete (ID, Pres, Date)? All samples received within holding time?	Intact Yes Yes Yes	✓ Bro ✓ ✓ ✓	oken No No No No No No No N	Leaking		
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:	Yes	V V	No 🗌 No 🗆	NA 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?	Yes Yes Yes Yes		No U No U No U No U	To 0 No Vials NA No Water	.3 °	
Are Samples considered acceptable?	Yes	✓	No \square			
Custody Seals present? Airbill or Sticker? Airbill No:	Yes Air Bil	Stie	No ✓ cker □	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: Cont Regarding: Comments: CorrectiveAction:	acted By:					



WorkOrder: 1606Q21

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