

July 16, 2018

Rob King
Hampton Bays Water District
P.O. Box 1013
Hampton Bays, NY 11946

RE: Project: POC/METALS 7/11
Pace Project No.: 7057883

Dear Rob King:

Enclosed are the analytical results for sample(s) received by the laboratory on July 11, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Stu Murrell
stu.murrell@pacelabs.com
(631)694-3040
Project Manager

Enclosures

cc: Warren Booth, Hampton Bays Water District
John Collins, H2M Group
Stella Michaels, Hampton Bays Water District
Paul Ponturo, H2M Group



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: POC/METALS 7/11

Pace Project No.: 7057883

Long Island Certification IDs

575 Broad Hollow Rd, Melville, NY 11747

New York Certification #: 10478 Primary Accrediting Body

New Jersey Certification #: NY158

Pennsylvania Certification #: 68-00350

Connecticut Certification #: PH-0435

Maryland Certification #: 208

Rhode Island Certification #: LAO00340

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: POC/METALS 7/11

Pace Project No.: 7057883

Lab ID	Sample ID	Matrix	Date Collected	Date Received
7057883001	S-127163	Drinking Water	07/11/18 08:47	07/11/18 16:10
7057883002	TUTINO 49 ROMANO PR	Drinking Water	07/11/18 10:11	07/11/18 16:10

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: POC/METALS 7/11

Pace Project No.: 7057883

Lab ID	Sample ID	Method	Analysts	Analytes Reported
7057883001	S-127163	EPA 524.2	KGG	62
7057883002	TUTINO 49 ROMANO PR	EPA 200.7	JMW	4

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: POC/METALS 7/11

Pace Project No.: 7057883

Sample: S-127163 **Lab ID: 7057883001** Collected: 07/11/18 08:47 Received: 07/11/18 16:10 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV Analytical Method: EPA 524.2									
Benzene	<0.50	ug/L	0.50		1		07/12/18 19:03	71-43-2	
Bromobenzene	<0.50	ug/L	0.50		1		07/12/18 19:03	108-86-1	
Bromochloromethane	<0.50	ug/L	0.50		1		07/12/18 19:03	74-97-5	
Bromodichloromethane	<0.50	ug/L	0.50		1		07/12/18 19:03	75-27-4	
Bromoform	<0.50	ug/L	0.50		1		07/12/18 19:03	75-25-2	
Bromomethane	<0.50	ug/L	0.50		1		07/12/18 19:03	74-83-9	
n-Butylbenzene	<0.50	ug/L	0.50		1		07/12/18 19:03	104-51-8	
sec-Butylbenzene	<0.50	ug/L	0.50		1		07/12/18 19:03	135-98-8	
tert-Butylbenzene	<0.50	ug/L	0.50		1		07/12/18 19:03	98-06-6	
Carbon tetrachloride	<0.50	ug/L	0.50		1		07/12/18 19:03	56-23-5	
Chlorobenzene	<0.50	ug/L	0.50		1		07/12/18 19:03	108-90-7	
Chlorodifluoromethane	<0.50	ug/L	0.50		1		07/12/18 19:03	75-45-6	L2,N3
Chloroethane	<0.50	ug/L	0.50		1		07/12/18 19:03	75-00-3	
Chloroform	1.8	ug/L	0.50		1		07/12/18 19:03	67-66-3	
Chloromethane	<0.50	ug/L	0.50		1		07/12/18 19:03	74-87-3	
2-Chlorotoluene	<0.50	ug/L	0.50		1		07/12/18 19:03	95-49-8	
4-Chlorotoluene	<0.50	ug/L	0.50		1		07/12/18 19:03	106-43-4	
Dibromochloromethane	<0.50	ug/L	0.50		1		07/12/18 19:03	124-48-1	
Dibromomethane	<0.50	ug/L	0.50		1		07/12/18 19:03	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	0.50		1		07/12/18 19:03	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	0.50		1		07/12/18 19:03	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	0.50		1		07/12/18 19:03	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	0.50		1		07/12/18 19:03	75-71-8	
1,1-Dichloroethane	<0.50	ug/L	0.50		1		07/12/18 19:03	75-34-3	
1,2-Dichloroethane	<0.50	ug/L	0.50		1		07/12/18 19:03	107-06-2	
1,1-Dichloroethene	<0.50	ug/L	0.50		1		07/12/18 19:03	75-35-4	
cis-1,2-Dichloroethene	<0.50	ug/L	0.50		1		07/12/18 19:03	156-59-2	
trans-1,2-Dichloroethene	<0.50	ug/L	0.50		1		07/12/18 19:03	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	0.50		1		07/12/18 19:03	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	0.50		1		07/12/18 19:03	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	0.50		1		07/12/18 19:03	594-20-7	
1,1-Dichloropropene	<0.50	ug/L	0.50		1		07/12/18 19:03	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	0.50		1		07/12/18 19:03	10061-01-5	
trans-1,3-Dichloropropene	<0.50	ug/L	0.50		1		07/12/18 19:03	10061-02-6	
Ethylbenzene	<0.50	ug/L	0.50		1		07/12/18 19:03	100-41-4	
Hexachloro-1,3-butadiene	<0.50	ug/L	0.50		1		07/12/18 19:03	87-68-3	
Isopropylbenzene (Cumene)	<0.50	ug/L	0.50		1		07/12/18 19:03	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	0.50		1		07/12/18 19:03	99-87-6	
Methylene Chloride	<0.50	ug/L	0.50		1		07/12/18 19:03	75-09-2	
Methyl-tert-butyl ether	<0.50	ug/L	0.50		1		07/12/18 19:03	1634-04-4	
n-Propylbenzene	<0.50	ug/L	0.50		1		07/12/18 19:03	103-65-1	
Styrene	<0.50	ug/L	0.50		1		07/12/18 19:03	100-42-5	
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50		1		07/12/18 19:03	630-20-6	
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50		1		07/12/18 19:03	79-34-5	
Tetrachloroethene	<0.50	ug/L	0.50		1		07/12/18 19:03	127-18-4	
Toluene	<0.50	ug/L	0.50		1		07/12/18 19:03	108-88-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: POC/METALS 7/11

Pace Project No.: 7057883

Sample: S-127163 **Lab ID: 7057883001** Collected: 07/11/18 08:47 Received: 07/11/18 16:10 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV									
Analytical Method: EPA 524.2									
Total Trihalomethanes (Calc.)	1.8	ug/L	0.50		1		07/12/18 19:03		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50		1		07/12/18 19:03	87-61-6	
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50		1		07/12/18 19:03	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	0.50		1		07/12/18 19:03	71-55-6	
1,1,2-Trichloroethane	<0.50	ug/L	0.50		1		07/12/18 19:03	79-00-5	
Trichloroethene	<0.50	ug/L	0.50		1		07/12/18 19:03	79-01-6	
Trichlorofluoromethane	<0.50	ug/L	0.50		1		07/12/18 19:03	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	0.50		1		07/12/18 19:03	96-18-4	
1,1,2-Trichlorotrifluoroethane	<0.50	ug/L	0.50		1		07/12/18 19:03	76-13-1	N3
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50		1		07/12/18 19:03	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50		1		07/12/18 19:03	108-67-8	
Vinyl chloride	<0.50	ug/L	0.50		1		07/12/18 19:03	75-01-4	
m&p-Xylene	<0.50	ug/L	0.50		1		07/12/18 19:03	179601-23-1	
o-Xylene	<0.50	ug/L	0.50		1		07/12/18 19:03	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	95	%	70-130		1		07/12/18 19:03	2199-69-1	
4-Bromofluorobenzene (S)	97	%	70-130		1		07/12/18 19:03	460-00-4	

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ANALYTICAL RESULTS

Project: POC/METALS 7/11

Pace Project No.: 7057883

Sample: TUTINO 49 ROMANO PR **Lab ID: 7057883002** Collected: 07/11/18 10:11 Received: 07/11/18 16:10 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 MET ICP, Drinking Water		Analytical Method: EPA 200.7							
Ca Hardness as CaCO ₃ (SM 2340B)	12.9	mg/L	0.50		1		07/13/18 08:58		
Iron	0.59	mg/L	0.020		1		07/13/18 08:58	7439-89-6	
Manganese	0.052	mg/L	0.010		1		07/13/18 08:58	7439-96-5	
Sodium	26.2	mg/L	0.20		1		07/13/18 08:58	7440-23-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: POC/METALS 7/11
Pace Project No.: 7057883

QC Batch: 74932 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 MET No Prep Drinking Water
Associated Lab Samples: 7057883002

METHOD BLANK: 344477 Matrix: Drinking Water
Associated Lab Samples: 7057883002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ca Hardness as CaCO ₃ (SM 2340B)	mg/L	<0.50	0.50	07/13/18 08:55	
Iron	mg/L	<0.020	0.020	07/13/18 08:55	
Manganese	mg/L	<0.010	0.010	07/13/18 08:55	
Sodium	mg/L	<0.20	0.20	07/13/18 08:55	

LABORATORY CONTROL SAMPLE: 344478

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Ca Hardness as CaCO ₃ (SM 2340B)	mg/L		61.7			
Iron	mg/L	2	2.0	100	85-115	
Manganese	mg/L	.25	0.25	99	85-115	
Sodium	mg/L	50	49.7	99	85-115	

MATRIX SPIKE SAMPLE: 344481

Parameter	Units	7057883002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Ca Hardness as CaCO ₃ (SM 2340B)	mg/L	12.9		79.2			
Iron	mg/L	0.59	2	2.8	110	70-130	
Manganese	mg/L	0.052	.25	0.33	110	70-130	
Sodium	mg/L	26.2	50	80.0	108	70-130	

MATRIX SPIKE SAMPLE: 344483

Parameter	Units	7057884001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Ca Hardness as CaCO ₃ (SM 2340B)	mg/L	51700 ug/L		116			
Iron	mg/L	0.024	2	2.2	109	70-130	
Manganese	mg/L	0.050	.25	0.32	110	70-130	
Sodium	mg/L	4.7	50	58.0	107	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: POC/METALS 7/11

Pace Project No.: 7057883

SAMPLE DUPLICATE: 344480

Parameter	Units	7057883002 Result	Dup Result	RPD	Max RPD	Qualifiers
Ca Hardness as CaCO ₃ (SM 2340B	mg/L	12.9	12.8	1	20	
Iron	mg/L	0.59	0.59	1	20	
Manganese	mg/L	0.052	0.051	2	20	
Sodium	mg/L	26.2	26.0	1	20	

SAMPLE DUPLICATE: 344482

Parameter	Units	7057884001 Result	Dup Result	RPD	Max RPD	Qualifiers
Ca Hardness as CaCO ₃ (SM 2340B	mg/L	51700 ug/L	51.4	0	20	
Iron	mg/L	0.024	0.022	10	20	
Manganese	mg/L	0.050	0.051	2	20	
Sodium	mg/L	4.7	4.6	0	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: POC/METALS 7/11

Pace Project No.: 7057883

QC Batch: 74958	Analysis Method: EPA 524.2
QC Batch Method: EPA 524.2	Analysis Description: 524.2 MSV
Associated Lab Samples: 7057883001	

METHOD BLANK: 344608 Matrix: Water

Associated Lab Samples: 7057883001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.50	0.50	07/12/18 17:39	
1,1,1-Trichloroethane	ug/L	<0.50	0.50	07/12/18 17:39	
1,1,2,2-Tetrachloroethane	ug/L	<0.50	0.50	07/12/18 17:39	
1,1,2-Trichloroethane	ug/L	<0.50	0.50	07/12/18 17:39	
1,1,2-Trichlorotrifluoroethane	ug/L	<0.50	0.50	07/12/18 17:39	N3
1,1-Dichloroethane	ug/L	<0.50	0.50	07/12/18 17:39	
1,1-Dichloroethene	ug/L	<0.50	0.50	07/12/18 17:39	
1,1-Dichloropropene	ug/L	<0.50	0.50	07/12/18 17:39	
1,2,3-Trichlorobenzene	ug/L	<0.50	0.50	07/12/18 17:39	
1,2,3-Trichloropropane	ug/L	<0.50	0.50	07/12/18 17:39	
1,2,4-Trichlorobenzene	ug/L	<0.50	0.50	07/12/18 17:39	
1,2,4-Trimethylbenzene	ug/L	<0.50	0.50	07/12/18 17:39	
1,2-Dichlorobenzene	ug/L	<0.50	0.50	07/12/18 17:39	
1,2-Dichloroethane	ug/L	<0.50	0.50	07/12/18 17:39	
1,2-Dichloropropane	ug/L	<0.50	0.50	07/12/18 17:39	
1,3,5-Trimethylbenzene	ug/L	<0.50	0.50	07/12/18 17:39	
1,3-Dichlorobenzene	ug/L	<0.50	0.50	07/12/18 17:39	
1,3-Dichloropropane	ug/L	<0.50	0.50	07/12/18 17:39	
1,4-Dichlorobenzene	ug/L	<0.50	0.50	07/12/18 17:39	
2,2-Dichloropropane	ug/L	<0.50	0.50	07/12/18 17:39	
2-Chlorotoluene	ug/L	<0.50	0.50	07/12/18 17:39	
4-Chlorotoluene	ug/L	<0.50	0.50	07/12/18 17:39	
Benzene	ug/L	<0.50	0.50	07/12/18 17:39	
Bromobenzene	ug/L	<0.50	0.50	07/12/18 17:39	
Bromochloromethane	ug/L	<0.50	0.50	07/12/18 17:39	
Bromodichloromethane	ug/L	<0.50	0.50	07/12/18 17:39	
Bromoform	ug/L	<0.50	0.50	07/12/18 17:39	
Bromomethane	ug/L	<0.50	0.50	07/12/18 17:39	
Carbon tetrachloride	ug/L	<0.50	0.50	07/12/18 17:39	
Chlorobenzene	ug/L	<0.50	0.50	07/12/18 17:39	
Chlorodifluoromethane	ug/L	<0.50	0.50	07/12/18 17:39	N3
Chloroethane	ug/L	<0.50	0.50	07/12/18 17:39	
Chloroform	ug/L	<0.50	0.50	07/12/18 17:39	
Chloromethane	ug/L	<0.50	0.50	07/12/18 17:39	
cis-1,2-Dichloroethene	ug/L	<0.50	0.50	07/12/18 17:39	
cis-1,3-Dichloropropene	ug/L	<0.50	0.50	07/12/18 17:39	
Dibromochloromethane	ug/L	<0.50	0.50	07/12/18 17:39	
Dibromomethane	ug/L	<0.50	0.50	07/12/18 17:39	
Dichlorodifluoromethane	ug/L	<0.50	0.50	07/12/18 17:39	
Ethylbenzene	ug/L	<0.50	0.50	07/12/18 17:39	
Hexachloro-1,3-butadiene	ug/L	<0.50	0.50	07/12/18 17:39	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: POC/METALS 7/11

Pace Project No.: 7057883

METHOD BLANK: 344608

Matrix: Water

Associated Lab Samples: 7057883001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Isopropylbenzene (Cumene)	ug/L	<0.50	0.50	07/12/18 17:39	
m&p-Xylene	ug/L	<0.50	0.50	07/12/18 17:39	
Methyl-tert-butyl ether	ug/L	<0.50	0.50	07/12/18 17:39	
Methylene Chloride	ug/L	<0.50	0.50	07/12/18 17:39	
n-Butylbenzene	ug/L	<0.50	0.50	07/12/18 17:39	
n-Propylbenzene	ug/L	<0.50	0.50	07/12/18 17:39	
o-Xylene	ug/L	<0.50	0.50	07/12/18 17:39	
p-Isopropyltoluene	ug/L	<0.50	0.50	07/12/18 17:39	
sec-Butylbenzene	ug/L	<0.50	0.50	07/12/18 17:39	
Styrene	ug/L	<0.50	0.50	07/12/18 17:39	
tert-Butylbenzene	ug/L	<0.50	0.50	07/12/18 17:39	
Tetrachloroethene	ug/L	<0.50	0.50	07/12/18 17:39	
Toluene	ug/L	<0.50	0.50	07/12/18 17:39	
Total Trihalomethanes (Calc.)	ug/L	<0.50	0.50	07/12/18 17:39	
trans-1,2-Dichloroethene	ug/L	<0.50	0.50	07/12/18 17:39	
trans-1,3-Dichloropropene	ug/L	<0.50	0.50	07/12/18 17:39	
Trichloroethene	ug/L	<0.50	0.50	07/12/18 17:39	
Trichlorofluoromethane	ug/L	<0.50	0.50	07/12/18 17:39	
Vinyl chloride	ug/L	<0.50	0.50	07/12/18 17:39	
1,2-Dichlorobenzene-d4 (S)	%	92	70-130	07/12/18 17:39	
4-Bromofluorobenzene (S)	%	92	70-130	07/12/18 17:39	

LABORATORY CONTROL SAMPLE: 344609

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	10	10.4	104	70-130	
1,1,1-Trichloroethane	ug/L	10	10.0	100	70-130	
1,1,2,2-Tetrachloroethane	ug/L	10	10.3	103	70-130	
1,1,2-Trichloroethane	ug/L	10	10.5	105	70-130	
1,1,2-Trichlorotrifluoroethane	ug/L	10	8.9	89	70-130	N3
1,1-Dichloroethane	ug/L	10	9.8	98	70-130	
1,1-Dichloroethene	ug/L	10	9.3	93	70-130	
1,1-Dichloropropene	ug/L	10	10.4	104	70-130	
1,2,3-Trichlorobenzene	ug/L	10	8.1	81	70-130	
1,2,3-Trichloropropane	ug/L	10	11.2	112	70-130	
1,2,4-Trichlorobenzene	ug/L	10	9.5	95	70-130	
1,2,4-Trimethylbenzene	ug/L	10	10.9	109	70-130	
1,2-Dichlorobenzene	ug/L	10	9.8	98	70-130	
1,2-Dichloroethane	ug/L	10	10.5	105	70-130	
1,2-Dichloropropane	ug/L	10	11.1	111	70-130	
1,3,5-Trimethylbenzene	ug/L	10	10.5	105	70-130	
1,3-Dichlorobenzene	ug/L	10	9.7	97	70-130	
1,3-Dichloropropane	ug/L	10	10.4	104	70-130	
1,4-Dichlorobenzene	ug/L	10	9.6	96	70-130	

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QUALITY CONTROL DATA

Project: POC/METALS 7/11

Pace Project No.: 7057883

LABORATORY CONTROL SAMPLE: 344609

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,2-Dichloropropane	ug/L	10	10.0	100	70-130	
2-Chlorotoluene	ug/L	10	10.1	101	70-130	
4-Chlorotoluene	ug/L	10	10.4	104	70-130	
Benzene	ug/L	10	9.8	98	70-130	
Bromobenzene	ug/L	10	9.5	95	70-130	
Bromochloromethane	ug/L	10	10.4	104	70-130	
Bromodichloromethane	ug/L	10	10.9	109	70-130	
Bromoform	ug/L	10	9.2	92	70-130	
Bromomethane	ug/L	10	9.6	96	70-130	
Carbon tetrachloride	ug/L	10	10.2	102	70-130	
Chlorobenzene	ug/L	10	10.7	107	70-130	
Chlorodifluoromethane	ug/L	10	5.4	54	70-130	L2,N3
Chloroethane	ug/L	10	10.4	104	70-130	
Chloroform	ug/L	10	9.7	97	70-130	
Chloromethane	ug/L	10	10.5	105	70-130	
cis-1,2-Dichloroethene	ug/L	10	9.6	96	70-130	
cis-1,3-Dichloropropene	ug/L	10	10.4	104	70-130	
Dibromochloromethane	ug/L	10	10.8	108	70-130	
Dibromomethane	ug/L	10	10.8	108	70-130	
Dichlorodifluoromethane	ug/L	10	10.6	106	70-130	
Ethylbenzene	ug/L	10	11.0	110	70-130	
Hexachloro-1,3-butadiene	ug/L	10	8.2	82	70-130	
Isopropylbenzene (Cumene)	ug/L	10	10.6	106	70-130	
m&p-Xylene	ug/L	20	22.1	110	70-130	
Methyl-tert-butyl ether	ug/L	10	9.7	97	70-130	
Methylene Chloride	ug/L	10	9.3	93	70-130	
n-Butylbenzene	ug/L	10	10.2	102	70-130	
n-Propylbenzene	ug/L	10	10.4	104	70-130	
o-Xylene	ug/L	10	10.6	106	70-130	
p-Isopropyltoluene	ug/L	10	10.5	105	70-130	
sec-Butylbenzene	ug/L	10	10.7	107	70-130	
Styrene	ug/L	10	11.1	111	70-130	
tert-Butylbenzene	ug/L	10	10.6	106	70-130	
Tetrachloroethene	ug/L	10	8.9	89	70-130	
Toluene	ug/L	10	10.1	101	70-130	
Total Trihalomethanes (Calc.)	ug/L		40.5			
trans-1,2-Dichloroethene	ug/L	10	9.4	94	70-130	
trans-1,3-Dichloropropene	ug/L	10	9.9	99	70-130	
Trichloroethene	ug/L	10	10.9	109	70-130	
Trichlorofluoromethane	ug/L	10	12.9	129	70-130	
Vinyl chloride	ug/L	10	9.4	94	70-130	
1,2-Dichlorobenzene-d4 (S)	%			95	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: POC/METALS 7/11

Pace Project No.: 7057883

SAMPLE DUPLICATE: 344975

Parameter	Units	7057883001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.50	<0.50		20	
1,1,1-Trichloroethane	ug/L	<0.50	<0.50		20	
1,1,2,2-Tetrachloroethane	ug/L	<0.50	<0.50		20	
1,1,2-Trichloroethane	ug/L	<0.50	<0.50		20	
1,1,2-Trichlorotrifluoroethane	ug/L	<0.50	<0.50		20	N3
1,1-Dichloroethane	ug/L	<0.50	<0.50		20	
1,1-Dichloroethene	ug/L	<0.50	<0.50		20	
1,1-Dichloropropene	ug/L	<0.50	<0.50		20	
1,2,3-Trichlorobenzene	ug/L	<0.50	<0.50		20	
1,2,3-Trichloropropane	ug/L	<0.50	<0.50		20	
1,2,4-Trichlorobenzene	ug/L	<0.50	<0.50		20	
1,2,4-Trimethylbenzene	ug/L	<0.50	<0.50		20	
1,2-Dichlorobenzene	ug/L	<0.50	<0.50		20	
1,2-Dichloroethane	ug/L	<0.50	<0.50		20	
1,2-Dichloropropane	ug/L	<0.50	<0.50		20	
1,3,5-Trimethylbenzene	ug/L	<0.50	<0.50		20	
1,3-Dichlorobenzene	ug/L	<0.50	<0.50		20	
1,3-Dichloropropane	ug/L	<0.50	<0.50		20	
1,4-Dichlorobenzene	ug/L	<0.50	<0.50		20	
2,2-Dichloropropane	ug/L	<0.50	<0.50		20	
2-Chlorotoluene	ug/L	<0.50	<0.50		20	
4-Chlorotoluene	ug/L	<0.50	<0.50		20	
Benzene	ug/L	<0.50	<0.50		20	
Bromobenzene	ug/L	<0.50	<0.50		20	
Bromochloromethane	ug/L	<0.50	<0.50		20	
Bromodichloromethane	ug/L	<0.50	<0.50		20	
Bromoform	ug/L	<0.50	<0.50		20	
Bromomethane	ug/L	<0.50	<0.50		20	
Carbon tetrachloride	ug/L	<0.50	<0.50		20	
Chlorobenzene	ug/L	<0.50	<0.50		20	
Chlorodifluoromethane	ug/L	<0.50	<0.50		20	N3
Chloroethane	ug/L	<0.50	<0.50		20	
Chloroform	ug/L	1.8	1.9	2	20	
Chloromethane	ug/L	<0.50	<0.50		20	
cis-1,2-Dichloroethene	ug/L	<0.50	<0.50		20	
cis-1,3-Dichloropropene	ug/L	<0.50	<0.50		20	
Dibromochloromethane	ug/L	<0.50	<0.50		20	
Dibromomethane	ug/L	<0.50	<0.50		20	
Dichlorodifluoromethane	ug/L	<0.50	<0.50		20	
Ethylbenzene	ug/L	<0.50	<0.50		20	
Hexachloro-1,3-butadiene	ug/L	<0.50	<0.50		20	
Isopropylbenzene (Cumene)	ug/L	<0.50	<0.50		20	
m&p-Xylene	ug/L	<0.50	<0.50		20	
Methyl-tert-butyl ether	ug/L	<0.50	<0.50		20	
Methylene Chloride	ug/L	<0.50	<0.50		20	
n-Butylbenzene	ug/L	<0.50	<0.50		20	
n-Propylbenzene	ug/L	<0.50	<0.50		20	

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QUALITY CONTROL DATA

Project: POC/METALS 7/11

Pace Project No.: 7057883

SAMPLE DUPLICATE: 344975

Parameter	Units	7057883001 Result	Dup Result	RPD	Max RPD	Qualifiers
o-Xylene	ug/L	<0.50	<0.50		20	
p-Isopropyltoluene	ug/L	<0.50	<0.50		20	
sec-Butylbenzene	ug/L	<0.50	<0.50		20	
Styrene	ug/L	<0.50	<0.50		20	
tert-Butylbenzene	ug/L	<0.50	<0.50		20	
Tetrachloroethene	ug/L	<0.50	<0.50		20	
Toluene	ug/L	<0.50	<0.50		20	
Total Trihalomethanes (Calc.)	ug/L	1.8	1.9	2	20	
trans-1,2-Dichloroethene	ug/L	<0.50	<0.50		20	
trans-1,3-Dichloropropene	ug/L	<0.50	<0.50		20	
Trichloroethene	ug/L	<0.50	<0.50		20	
Trichlorofluoromethane	ug/L	<0.50	<0.50		20	
Vinyl chloride	ug/L	<0.50	<0.50		20	
1,2-Dichlorobenzene-d4 (S)	%	95	89	7	20	
4-Bromofluorobenzene (S)	%	97	98	1	20	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: POC/METALS 7/11

Pace Project No.: 7057883

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

L2 Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

N3 Accreditation is not offered by the relevant laboratory accrediting body for this parameter.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: POC/METALS 7/11

Pace Project No.: 7057883

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7057883002	TUTINO 49 ROMANO PR	EPA 200.7	74932		
7057883001	S-127163	EPA 524.2	74958		

REPORT OF LABORATORY ANALYSIS

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Sample Request Form PUBLIC WATER SUPPLIER

WO# : 7057883
 Y 11747
 336

Date: 7-11-18
 Collected By: K. TUTHILL W. Booth
 Accepted By: *[Signature]*
 Cooler Temp: 2.9 °C

CL/S
 7/11/18
 12:10

WELL OFF LINE
 WELL RUN TO SYSTEM

Client Info:
 Name or Code: HAMPTON BAYS WATER DISTRICT
 Address: HAMPTON BAYS, NEW YORK 11946
 Phone #: _____
 Attn: _____
 Proj. # or (Name): _____
 Bill To: _____
 Copies To: _____

YES NO VOC'S PRESERVED WITH HC
 Back 1610

Sample Types	Purpose	Origin	Treatment Types
PW - Potable Water	RO - Routine	D - Distribution	AST - Air Stripper
GW - Groundwater	RE - Resample	RW - Raw Well	GAC - Granular Activated Charcoal
SW - Surface Water	S - Special	TW - Treated Well	N - Nitrate Removal Plant
WW - Waste Water		T - Tank	FE - Iron Removal Plant
AQ - Aqueous		MW - Monitoring Well	O - Other
S - Soil		I - Influent	
		E - Effluent	

Date/Time Collected:	Sample Type	Location	Origin	Treatment Type	Purpose	Field Readings Cl ₂	Field Readings pH/Temp	Analysis	Lab No.
8:47 7-11-18	GW	#3	D	-	RO	5.58	7.27	NITRATE/NITRITE	
10:11 7-11-18	GW	WELL 5-1	D	-	RO	1.14	7.34	NITRATE/NITRITE	
			RW	-	S	6.89	14.3°	POC'S	001
		TUTINO 49 ROMANO PR	D	-	S	.55	7.04	METALS	002

Remarks:



Sample Condition Upon Receipt

WO#: 7057883

Client Name: HBWPM: SWM Due Date: 07/19/18
CLIENT: HBWCourier: Fed Ex UPS USPS Client Commercial Pace Other

Tracking #: _____

Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes NoTemperature Blank Present: Yes NoPacking Material: Bubble Wrap Bubble Bags Ziploc None OtherType of Ice: Wet Blue None

Thermometer Used: TH091

Correction Factor: 0.0 Samples on ice, cooling process has begunCooler Temperature (°C): 2.9Cooler Temperature Corrected (°C): 2.9

Date/Time 5035A kits placed in freezer _____

Temp should be above freezing to 6.0°C

USDA Regulated Soil N/A, water sample)Date and Initials of person examining contents: 7/19/18Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? YES NODid samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No		6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No		7.
Sufficient Volume: (Triple volume provided for MS/MSD):	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Containers Intact:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		12.
-Includes date/time/ID/Analysis Matrix SL WT OIL				
All containers needing preservation have been checked	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	13. <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> HCl
pH paper Lot # <u>HC727135</u>				Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , HCl, NaOH > 9 Sulfide, NaOH > 12 Cyanide)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	Initial when completed: _____ Lot # of added preservative: _____ Date/Time preservative added: _____
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis				
Samples checked for dechlorination:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	14. Positive for Res. Chlorine? Y N
KI starch test strips Lot #				
Residual chlorine strips Lot #				
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A	15.
Trip Blank Present:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if applicable): _____				

Client Notification/ Resolution: _____

Field Data Required? Y / N

Person Contacted: _____

Date/Time: _____

Comments/ Resolution: _____
