

April 09, 2018

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

RE: Project: POC 4/4
Pace Project No.: 7047217

Dear Rob King:
Enclosed are the analytical results for sample(s) received by the laboratory on April 04, 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 4/4

Pace Project No.: 7047217

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 4/4

Pace Project No.: 7047217

Lab ID	Sample ID	Matrix	Date Collected	Date Received
7047217001	S-127163	Drinking Water	04/04/18 10:55	04/04/18 16:15

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: POC 4/4

Pace Project No.: 7047217

Lab ID	Sample ID	Method	Analysts	Analytes Reported
7047217001	S-127163	EPA 524.2	KGG	62

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: POC 4/4
Pace Project No.: 7047217

Sample: S-127163 **Lab ID: 7047217001** Collected: 04/04/18 10:55 Received: 04/04/18 16:15 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		04/07/18 14:18	71-43-2	
Bromobenzene	<0.50	ug/L	0.50		1		04/07/18 14:18	108-86-1	
Bromochloromethane	<0.50	ug/L	0.50		1		04/07/18 14:18	74-97-5	
Bromodichloromethane	<0.50	ug/L	0.50		1		04/07/18 14:18	75-27-4	
Bromoform	<0.50	ug/L	0.50		1		04/07/18 14:18	75-25-2	
Bromomethane	<0.50	ug/L	0.50		1		04/07/18 14:18	74-83-9	
n-Butylbenzene	<0.50	ug/L	0.50		1		04/07/18 14:18	104-51-8	
sec-Butylbenzene	<0.50	ug/L	0.50		1		04/07/18 14:18	135-98-8	
tert-Butylbenzene	<0.50	ug/L	0.50		1		04/07/18 14:18	98-06-6	
Carbon tetrachloride	<0.50	ug/L	0.50		1		04/07/18 14:18	56-23-5	
Chlorobenzene	<0.50	ug/L	0.50		1		04/07/18 14:18	108-90-7	
Chlorodifluoromethane	<0.50	ug/L	0.50		1		04/07/18 14:18	75-45-6	N3
Chloroethane	<0.50	ug/L	0.50		1		04/07/18 14:18	75-00-3	
Chloroform	3.8	ug/L	0.50		1		04/07/18 14:18	67-66-3	
Chloromethane	<0.50	ug/L	0.50		1		04/07/18 14:18	74-87-3	
2-Chlorotoluene	<0.50	ug/L	0.50		1		04/07/18 14:18	95-49-8	
4-Chlorotoluene	<0.50	ug/L	0.50		1		04/07/18 14:18	106-43-4	
Dibromochloromethane	<0.50	ug/L	0.50		1		04/07/18 14:18	124-48-1	
Dibromomethane	<0.50	ug/L	0.50		1		04/07/18 14:18	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	0.50		1		04/07/18 14:18	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	0.50		1		04/07/18 14:18	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	0.50		1		04/07/18 14:18	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	0.50		1		04/07/18 14:18	75-71-8	
1,1-Dichloroethane	<0.50	ug/L	0.50		1		04/07/18 14:18	75-34-3	
1,2-Dichloroethane	<0.50	ug/L	0.50		1		04/07/18 14:18	107-06-2	
1,1-Dichloroethene	<0.50	ug/L	0.50		1		04/07/18 14:18	75-35-4	
cis-1,2-Dichloroethene	<0.50	ug/L	0.50		1		04/07/18 14:18	156-59-2	
trans-1,2-Dichloroethene	<0.50	ug/L	0.50		1		04/07/18 14:18	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	0.50		1		04/07/18 14:18	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	0.50		1		04/07/18 14:18	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	0.50		1		04/07/18 14:18	594-20-7	
1,1-Dichloropropene	<0.50	ug/L	0.50		1		04/07/18 14:18	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	0.50		1		04/07/18 14:18	10061-01-5	
trans-1,3-Dichloropropene	<0.50	ug/L	0.50		1		04/07/18 14:18	10061-02-6	
Ethylbenzene	<0.50	ug/L	0.50		1		04/07/18 14:18	100-41-4	
Hexachloro-1,3-butadiene	<0.50	ug/L	0.50		1		04/07/18 14:18	87-68-3	
Isopropylbenzene (Cumene)	<0.50	ug/L	0.50		1		04/07/18 14:18	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	0.50		1		04/07/18 14:18	99-87-6	
Methylene Chloride	<0.50	ug/L	0.50		1		04/07/18 14:18	75-09-2	
Methyl-tert-butyl ether	<0.50	ug/L	0.50		1		04/07/18 14:18	1634-04-4	
n-Propylbenzene	<0.50	ug/L	0.50		1		04/07/18 14:18	103-65-1	
Styrene	<0.50	ug/L	0.50		1		04/07/18 14:18	100-42-5	
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50		1		04/07/18 14:18	630-20-6	
1,1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50		1		04/07/18 14:18	79-34-5	
Tetrachloroethene	<0.50	ug/L	0.50		1		04/07/18 14:18	127-18-4	
Toluene	<0.50	ug/L	0.50		1		04/07/18 14:18	108-88-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: POC 4/4

Pace Project No.: 7047217

Sample: S-127163 **Lab ID: 7047217001** Collected: 04/04/18 10:55 Received: 04/04/18 16:15 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.)	3.8	ug/L	0.50		1		04/07/18 14:18		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50		1		04/07/18 14:18	87-61-6	
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50		1		04/07/18 14:18	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	0.50		1		04/07/18 14:18	71-55-6	
1,1,2-Trichloroethane	<0.50	ug/L	0.50		1		04/07/18 14:18	79-00-5	
Trichloroethene	<0.50	ug/L	0.50		1		04/07/18 14:18	79-01-6	
Trichlorofluoromethane	<0.50	ug/L	0.50		1		04/07/18 14:18	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	0.50		1		04/07/18 14:18	96-18-4	
1,1,2-Trichlorotrifluoroethane	<0.50	ug/L	0.50		1		04/07/18 14:18	76-13-1	N3
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50		1		04/07/18 14:18	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50		1		04/07/18 14:18	108-67-8	
Vinyl chloride	<0.50	ug/L	0.50		1		04/07/18 14:18	75-01-4	
m&p-Xylene	<0.50	ug/L	0.50		1		04/07/18 14:18	179601-23-1	
o-Xylene	<0.50	ug/L	0.50		1		04/07/18 14:18	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	98	%	70-130		1		04/07/18 14:18	2199-69-1	
4-Bromofluorobenzene (S)	92	%	70-130		1		04/07/18 14:18	460-00-4	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: POC 4/4
Pace Project No.: 7047217

QC Batch: 62466 Analysis Method: EPA 524.2
QC Batch Method: EPA 524.2 Analysis Description: 524.2 MSV
Associated Lab Samples: 7047217001

METHOD BLANK: 286851 Matrix: Water
Associated Lab Samples: 7047217001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.50	0.50	04/07/18 10:19	
1,1,1-Trichloroethane	ug/L	<0.50	0.50	04/07/18 10:19	
1,1,2,2-Tetrachloroethane	ug/L	<0.50	0.50	04/07/18 10:19	
1,1,2-Trichloroethane	ug/L	<0.50	0.50	04/07/18 10:19	
1,1,2-Trichlorotrifluoroethane	ug/L	<0.50	0.50	04/07/18 10:19	N3
1,1-Dichloroethane	ug/L	<0.50	0.50	04/07/18 10:19	
1,1-Dichloroethene	ug/L	<0.50	0.50	04/07/18 10:19	
1,1-Dichloropropene	ug/L	<0.50	0.50	04/07/18 10:19	
1,2,3-Trichlorobenzene	ug/L	<0.50	0.50	04/07/18 10:19	
1,2,3-Trichloropropane	ug/L	<0.50	0.50	04/07/18 10:19	
1,2,4-Trichlorobenzene	ug/L	<0.50	0.50	04/07/18 10:19	
1,2,4-Trimethylbenzene	ug/L	<0.50	0.50	04/07/18 10:19	
1,2-Dichlorobenzene	ug/L	<0.50	0.50	04/07/18 10:19	
1,2-Dichloroethane	ug/L	<0.50	0.50	04/07/18 10:19	
1,2-Dichloropropane	ug/L	<0.50	0.50	04/07/18 10:19	
1,3,5-Trimethylbenzene	ug/L	<0.50	0.50	04/07/18 10:19	
1,3-Dichlorobenzene	ug/L	<0.50	0.50	04/07/18 10:19	
1,3-Dichloropropane	ug/L	<0.50	0.50	04/07/18 10:19	
1,4-Dichlorobenzene	ug/L	<0.50	0.50	04/07/18 10:19	
2,2-Dichloropropane	ug/L	<0.50	0.50	04/07/18 10:19	
2-Chlorotoluene	ug/L	<0.50	0.50	04/07/18 10:19	
4-Chlorotoluene	ug/L	<0.50	0.50	04/07/18 10:19	
Benzene	ug/L	<0.50	0.50	04/07/18 10:19	
Bromobenzene	ug/L	<0.50	0.50	04/07/18 10:19	
Bromochloromethane	ug/L	<0.50	0.50	04/07/18 10:19	
Bromodichloromethane	ug/L	<0.50	0.50	04/07/18 10:19	
Bromoform	ug/L	<0.50	0.50	04/07/18 10:19	
Bromomethane	ug/L	<0.50	0.50	04/07/18 10:19	
Carbon tetrachloride	ug/L	<0.50	0.50	04/07/18 10:19	
Chlorobenzene	ug/L	<0.50	0.50	04/07/18 10:19	
Chlorodifluoromethane	ug/L	<0.50	0.50	04/07/18 10:19	N3
Chloroethane	ug/L	<0.50	0.50	04/07/18 10:19	
Chloroform	ug/L	<0.50	0.50	04/07/18 10:19	
Chloromethane	ug/L	<0.50	0.50	04/07/18 10:19	
cis-1,2-Dichloroethene	ug/L	<0.50	0.50	04/07/18 10:19	
cis-1,3-Dichloropropene	ug/L	<0.50	0.50	04/07/18 10:19	
Dibromochloromethane	ug/L	<0.50	0.50	04/07/18 10:19	
Dibromomethane	ug/L	<0.50	0.50	04/07/18 10:19	
Dichlorodifluoromethane	ug/L	<0.50	0.50	04/07/18 10:19	
Ethylbenzene	ug/L	<0.50	0.50	04/07/18 10:19	
Hexachloro-1,3-butadiene	ug/L	<0.50	0.50	04/07/18 10:19	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: POC 4/4
Pace Project No.: 7047217

METHOD BLANK: 286851
Associated Lab Samples: 7047217001

Matrix: Water

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Isopropylbenzene (Cumene)	ug/L	<0.50	0.50	04/07/18 10:19	
m&p-Xylene	ug/L	<0.50	0.50	04/07/18 10:19	
Methyl-tert-butyl ether	ug/L	<0.50	0.50	04/07/18 10:19	
Methylene Chloride	ug/L	<0.50	0.50	04/07/18 10:19	
n-Butylbenzene	ug/L	<0.50	0.50	04/07/18 10:19	
n-Propylbenzene	ug/L	<0.50	0.50	04/07/18 10:19	
o-Xylene	ug/L	<0.50	0.50	04/07/18 10:19	
p-Isopropyltoluene	ug/L	<0.50	0.50	04/07/18 10:19	
sec-Butylbenzene	ug/L	<0.50	0.50	04/07/18 10:19	
Styrene	ug/L	<0.50	0.50	04/07/18 10:19	
tert-Butylbenzene	ug/L	<0.50	0.50	04/07/18 10:19	
Tetrachloroethene	ug/L	<0.50	0.50	04/07/18 10:19	
Toluene	ug/L	<0.50	0.50	04/07/18 10:19	
Total Trihalomethanes (Calc.)	ug/L	<0.50	0.50	04/07/18 10:19	
trans-1,2-Dichloroethene	ug/L	<0.50	0.50	04/07/18 10:19	
trans-1,3-Dichloropropene	ug/L	<0.50	0.50	04/07/18 10:19	
Trichloroethene	ug/L	<0.50	0.50	04/07/18 10:19	
Trichlorofluoromethane	ug/L	<0.50	0.50	04/07/18 10:19	
Vinyl chloride	ug/L	<0.50	0.50	04/07/18 10:19	
1,2-Dichlorobenzene-d4 (S)	%	100	70-130	04/07/18 10:19	
4-Bromofluorobenzene (S)	%	94	70-130	04/07/18 10:19	

LABORATORY CONTROL SAMPLE: 286852

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	10	9.2	92	70-130	
1,1,1-Trichloroethane	ug/L	10	9.0	90	70-130	
1,1,2,2-Tetrachloroethane	ug/L	10	9.2	92	70-130	
1,1,2-Trichloroethane	ug/L	10	9.4	94	70-130	
1,1,2-Trichlorotrifluoroethane	ug/L	10	11.0	110	70-130	N3
1,1-Dichloroethane	ug/L	10	9.3	93	70-130	
1,1-Dichloroethene	ug/L	10	8.8	88	70-130	
1,1-Dichloropropene	ug/L	10	9.8	98	70-130	
1,2,3-Trichlorobenzene	ug/L	10	8.5	85	70-130	
1,2,3-Trichloropropane	ug/L	10	9.2	92	70-130	
1,2,4-Trichlorobenzene	ug/L	10	9.7	97	70-130	
1,2,4-Trimethylbenzene	ug/L	10	9.5	95	70-130	
1,2-Dichlorobenzene	ug/L	10	9.7	97	70-130	
1,2-Dichloroethane	ug/L	10	9.4	94	70-130	
1,2-Dichloropropane	ug/L	10	9.3	93	70-130	
1,3,5-Trimethylbenzene	ug/L	10	9.4	94	70-130	
1,3-Dichlorobenzene	ug/L	10	9.8	98	70-130	
1,3-Dichloropropane	ug/L	10	9.5	95	70-130	
1,4-Dichlorobenzene	ug/L	10	9.5	95	70-130	

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QUALITY CONTROL DATA

Project: POC 4/4

Pace Project No.: 7047217

LABORATORY CONTROL SAMPLE: 286852

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,2-Dichloropropane	ug/L	10	9.6	96	70-130	
2-Chlorotoluene	ug/L	10	9.6	96	70-130	
4-Chlorotoluene	ug/L	10	9.6	96	70-130	
Benzene	ug/L	10	9.3	93	70-130	
Bromobenzene	ug/L	10	9.6	96	70-130	
Bromochloromethane	ug/L	10	9.7	97	70-130	
Bromodichloromethane	ug/L	10	9.5	95	70-130	
Bromoform	ug/L	10	9.4	94	70-130	
Bromomethane	ug/L	10	9.6	96	70-130	
Carbon tetrachloride	ug/L	10	9.2	92	70-130	
Chlorobenzene	ug/L	10	9.4	94	70-130	
Chlorodifluoromethane	ug/L	10	9.5	95	70-130	N3
Chloroethane	ug/L	10	9.5	95	70-130	
Chloroform	ug/L	10	9.1	91	70-130	
Chloromethane	ug/L	10	9.9	99	70-130	
cis-1,2-Dichloroethene	ug/L	10	9.7	97	70-130	
cis-1,3-Dichloropropene	ug/L	10	9.7	97	70-130	
Dibromochloromethane	ug/L	10	9.2	92	70-130	
Dibromomethane	ug/L	10	9.1	91	70-130	
Dichlorodifluoromethane	ug/L	10	10.2	102	70-130	
Ethylbenzene	ug/L	10	9.6	96	70-130	
Hexachloro-1,3-butadiene	ug/L	10	9.5	95	70-130	
Isopropylbenzene (Cumene)	ug/L	10	9.5	95	70-130	
m&p-Xylene	ug/L	20	19.1	96	70-130	
Methyl-tert-butyl ether	ug/L	10	9.0	90	70-130	
Methylene Chloride	ug/L	10	9.3	93	70-130	
n-Butylbenzene	ug/L	10	9.4	94	70-130	
n-Propylbenzene	ug/L	10	9.7	97	70-130	
o-Xylene	ug/L	10	9.3	93	70-130	
p-Isopropyltoluene	ug/L	10	9.6	96	70-130	
sec-Butylbenzene	ug/L	10	9.5	95	70-130	
Styrene	ug/L	10	9.6	96	70-130	
tert-Butylbenzene	ug/L	10	9.5	95	70-130	
Tetrachloroethene	ug/L	10	9.6	96	70-130	
Toluene	ug/L	10	9.6	96	70-130	
Total Trihalomethanes (Calc.)	ug/L		37.2			
trans-1,2-Dichloroethene	ug/L	10	9.4	94	70-130	
trans-1,3-Dichloropropene	ug/L	10	9.8	98	70-130	
Trichloroethene	ug/L	10	9.7	97	70-130	
Trichlorofluoromethane	ug/L	10	9.8	98	70-130	
Vinyl chloride	ug/L	10	9.4	94	70-130	
1,2-Dichlorobenzene-d4 (S)	%			101	70-130	
4-Bromofluorobenzene (S)	%			96	70-130	

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QUALITY CONTROL DATA

Project: POC 4/4

Pace Project No.: 7047217

SAMPLE DUPLICATE: 287012

Parameter	Units	7046993001 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	<0.50	<0.50		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	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: POC 4/4

Pace Project No.: 7047217

SAMPLE DUPLICATE: 287012

Parameter	Units	7046993001 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	<0.50	<0.50		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)	%	97	98	1	20	
4-Bromofluorobenzene (S)	%	93	94	1	20	

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QUALIFIERS

Project: POC 4/4

Pace Project No.: 7047217

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.

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

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 4/4

Pace Project No.: 7047217

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7047217001	S-127163	EPA 524.2	62466		

REPORT OF LABORATORY ANALYSIS

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Sample Condition Upon Receipt

Client Name: H3W

Project

WO#: 7047217

PM: SWM Due Date: 04/13/18
CLIENT: HBW

Courier: Fed Ex UPS USPS Client Commercial Pace Other

Tracking #: _____

Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No

Packing Material: Bubble Wrap Bubble Bags Ziploc None Other

Thermometer Used: TH091

Correction Factor: 0.0

Cooler Temperature (°C): 3.5

Cooler Temperature Corrected (°C): 3.5

Temp should be above freezing to 6.0°C

USDA Regulated Soil (N/A, water sample)

Date and Initials of person examining contents: [Signature] 4/4/18

Did 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 NO

Did 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 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 checked="" 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 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 type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" 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 #		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 type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" 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.
KI starch test strips Lot #		Positive for Res. Chlorine? Y N
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: _____