

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Seattle 5755 8th Street East Tacoma, WA 98424 Tel: (253)922-2310

TestAmerica Job ID: 580-78750-5

Client Project/Site: Portland Harbor Pre-Remedial Design

Revision: 2

For:

AECOM 1111 Third Ave Suite 1600 Seattle, Washington 98101

Attn: Amy Dahl

M. Elaine Walker

Authorized for release by: 12/13/2018 2:42:46 PM

Elaine Walker, Project Manager II (253)248-4972

elaine.walker@testamericainc.com

·····LINKS ·······

Review your project results through

Total Access

Have a Question?



Visit us at: www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: AECOM

Project/Site: Portland Harbor Pre-Remedial Design

TestAmerica Job ID: 580-78750-5

Table of Contents

Cover Page	1
Table of Contents	2
Case Narrative	3
Definitions	
Client Sample Results	5
Chronicle	8
Certification Summary	
Sample Summary	10
Chain of Custody	11
Receipt Checklists	15

3

4

9

Case Narrative

Client: AECOM TestAmerica Job ID: 580-78750-5

Project/Site: Portland Harbor Pre-Remedial Design

Job ID: 580-78750-5

Laboratory: TestAmerica Seattle

Narrative

CASE NARRATIVE Client: AECOM

Project: Portland Harbor Pre-Remedial Design Report Number: 580-78750-5

REVISION 2: DECEMBER 12, 2018

This revision was required because the Plasticity was incorrectly calculated using un-rounded numbers rather than rounded.

REVISION 1: SEPTEMBER 11, 2018

This revision was required to add Atterberg Limits for sample PDI-SG-B475 (580-78750-1).

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) resulting from a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are an unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes within the calibration range of the instrument or that reduces the interferences thereby enabling the quantification of target analytes.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

Three samples were received on 7/11/2018 1:40 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.8° C.

The following samples were activated for all on hold analysis by the client on 8/16/18: PDI-SG-B475 (580-78750-1), PDI-SG-B476 (580-78750-2) and PDI-SG-B477 (580-78750-3).

The following sample was canceled for Atterberg limits by the client on 8/23/18: PDI-SG-B475 (580-78750-1).

This report contains results for Atterberg limits for samples PDI-SG-B476 (580-78750-2) and PDI-SG-B477 (580-78750-3) only.

The client confirmed that Atterberg Limits were required for sample PDI-SG-B475 (580-78750-1).

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX OF SOILS

Samples PDI-SG-B475 (580-78750-1), PDI-SG-B476 (580-78750-2) and PDI-SG-B477 (580-78750-3) were analyzed for Liquid Limit. Plastic Limit and Plasticity Index of Soils in accordance with ASTM D4318. The samples were analyzed on 08/21/2018.

The following sample is not amenable to Liquid Limits, Plastic Limits, and Plasticity Index determination due to the physical properties of the sample: PDI-SG-B477 (580-78750-3). Values of zero, zero, and NP have been reported respectively for each determination.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Definitions/Glossary

Client: AECOM TestAmerica Job ID: 580-78750-5

Project/Site: Portland Harbor Pre-Remedial Design

Method Detection Limit

Minimum Level (Dioxin)

Practical Quantitation Limit

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Toxicity Equivalent Quotient (Dioxin)

Not Detected at the reporting limit (or MDL or EDL if shown)

Relative Percent Difference, a measure of the relative difference between two points

Reporting Limit or Requested Limit (Radiochemistry)

Not Calculated

Quality Control

Glossary

MDL

ML

NC

ND

PQL

QC

RER RL

RPD

TEF

TEQ

Abbreviation	These commonly used abbreviations may or may not be present in this report.
n	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)

10

TestAmerica Seattle

Client Sample Results

Client: AECOM TestAmerica Job ID: 580-78750-5

Project/Site: Portland Harbor Pre-Remedial Design

Client Sample ID: PDI-SG-B475 Lab Sample ID: 580-78750-1

Date Collected: 07/09/18 14:00 Matrix: Solid

Date Received: 07/11/18 13:40

Method: D4318 - Liquid Limit,	Plastic Lim	it and Plasti	city Index o	f Soils					
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Liquid Limit	63				NONE			08/21/18 15:35	1
Plastic Limit	41				NONE			08/21/18 15:35	1
Plasticity Index	22				NONE			08/21/18 15:35	1

4

5

6

8

Client Sample Results

Client: AECOM TestAmerica Job ID: 580-78750-5

Project/Site: Portland Harbor Pre-Remedial Design

Client Sample ID: PDI-SG-B476 Lab Sample ID: 580-78750-2

Date Collected: 07/09/18 15:05 Matrix: Solid

Date Received: 07/11/18 13:40

Method: D4318 - Liquid Limit, F	Plastic Lim	it and Plasti	city Index	of Soils					
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Liquid Limit	61				NONE			08/21/18 15:35	1
Plastic Limit	37				NONE			08/21/18 15:35	1
Plasticity Index	24				NONE			08/21/18 15:35	1

6

8

Client Sample Results

Client: AECOM TestAmerica Job ID: 580-78750-5

Project/Site: Portland Harbor Pre-Remedial Design

Client Sample ID: PDI-SG-B477 Lab Sample ID: 580-78750-3

Date Collected: 07/09/18 12:45 Matrix: Solid

Date Received: 07/11/18 13:40

Method: D4318 - Liquid Limit,	Plastic Limit and Plasti	city Index of S	Soils				
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Liquid Limit	<u> </u>		NONE			08/21/18 15:35	1
Plastic Limit	0		NONE			08/21/18 15:35	1
Plasticity Index	NP		NONE			08/21/18 15:35	1

4

6

8

Lab Chronicle

Client: AECOM

Project/Site: Portland Harbor Pre-Remedial Design

TestAmerica Job ID: 580-78750-5

Lab Sample ID: 580-78750-1

Matrix: Solid

Date Collected: 07/09/18 14:00 Date Received: 07/11/18 13:40

Client Sample ID: PDI-SG-B475

Batch Dilution Batch Batch Prepared Method Factor Number **Prep Type** Type Run or Analyzed Analyst Lab TAL BUR Total/NA Analysis D4318 133142 08/21/18 15:35 MAP

Client Sample ID: PDI-SG-B476 Lab Sample ID: 580-78750-2

Date Collected: 07/09/18 15:05 **Matrix: Solid**

Date Received: 07/11/18 13:40

Batch **Batch** Dilution Batch **Prepared Prep Type** Туре Method Run Factor Number or Analyzed Analyst Lab TAL BUR Total/NA D4318 133142 08/21/18 15:35 MAP Analysis

Client Sample ID: PDI-SG-B477 Lab Sample ID: 580-78750-3

Date Collected: 07/09/18 12:45 **Matrix: Solid**

Date Received: 07/11/18 13:40

Dilution Batch Batch Batch Prepared Method or Analyzed **Prep Type** Type Run **Factor** Number Analyst Lab Total/NA Analysis D4318 133142 08/21/18 15:35 TAL BUR

Laboratory References:

TAL BUR = TestAmerica Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Accreditation/Certification Summary

Client: AECOM TestAmerica Job ID: 580-78750-5

Project/Site: Portland Harbor Pre-Remedial Design

Laboratory: TestAmerica Seattle

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
Alaska (UST)	State Program	10	17-024	01-19-19
ANAB	DoD ELAP		L2236	01-19-19
ANAB	ISO/IEC 17025		L2236	01-19-19
California	State Program	9	2901	11-05-19
Montana (UST)	State Program	8	N/A	04-30-20
Nevada	State Program	9	WA000502019-1	07-31-19
Oregon	NELAP	10	WA100007	11-05-19
US Fish & Wildlife	Federal		LE058448-0	07-31-19
USDA	Federal		P330-14-00126	02-10-20
Washington	State Program	10	C553	02-17-19

Laboratory: TestAmerica Burlington

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
ANAB	DoD ELAP	 -	L2336	02-25-20
Connecticut	State Program	1	PH-0751	09-30-19
DE Haz. Subst. Cleanup Act (HSCA)	State Program	3	NA	02-01-19
Florida	NELAP	4	E87467	06-30-19
Maine	State Program	1	VT00008	04-17-19
Minnesota	NELAP	5	050-999-436	12-31-18 *
New Hampshire	NELAP	1	2006	12-18-18 *
New Jersey	NELAP	2	VT972	06-30-19
New York	NELAP	2	10391	04-01-19
Pennsylvania	NELAP	3	68-00489	04-30-19
Rhode Island	State Program	1	LAO00298	12-30-18 *
US Fish & Wildlife	Federal		LE-058448-0	07-31-19
USDA	Federal		P330-11-00093	07-24-20
Vermont	State Program	1	VT-4000	12-31-18 *
Virginia	NELAP	3	460209	12-14-18 *

5

8

9

^{*} Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: AECOM

Project/Site: Portland Harbor Pre-Remedial Design

TestAmerica Job ID: 580-78750-5

Lab Sample ID	Client Sample ID	Matrix	Collected Received
580-78750-1	PDI-SG-B475	Solid	07/09/18 14:00 07/11/18 13:40
580-78750-2	PDI-SG-B476	Solid	07/09/18 15:05 07/11/18 13:40
580-78750-3	PDI-SG-B477	Solid	07/09/18 12:45 07/11/18 13:40

3

4

6

8

Q

TestAmerica-Seattle 5755-8th-Street-East				····			ST	RF	AC1	e st	יותי	MEN	vr		··········					-]		
Tacoma, WA 98424-1317	1																									
Ph: 253-922-2310 Fax: 253-922-5047	1						CI	lai	N O	F C	US	LOD	Y										ıl			
Client Contact	 	Project	Contact: A	my Dahl / Ch	elsev Cook		Site	Conts	ct: Je	nnifer l	Ray									·		-	ik 12010	COC No: 1		
AECOM	 			261 / (206) 43						act: E		Valler				Commi	er: Co						10/2018		···	
1111 3rd Ave Suite 1600				rnaround Ti				1	, com	- L	T	TAINEL		T .	1	Carri	er: Co		T	7	T	1	''''	1 of1	pages	i
Seattle, WA 98101		Calendar		rk Days (W)				1		1	ļ	l_		270				Ď.	Ì				İ			
Phone: (206) 438-2700 Fax: 1+(866) 495-5288		Curring	10701.110	18 2033 (11)		·····	1	1		ä		9060		Ž.				Ė	8	ļ	l					
Project Name: Portland Harbor Pre-Remedial Design	1 🗆	21								#	1 _			3]		1	NWTPH-Dx,	3							
Investigation and Baseline Sampling		41	days							NWTPH-Dx.	D7928/D6913	Total selids		8270-SIM, 8270-	4318	.≾	ļ	S S	S			ıger				
Portland, OR	x	Other AS	AP_(sedime:	nts only)						Ė	28/D	Tota		tin,	<u> </u>	1668A		Ę	£		[급	10,53				
Project #, 60566335 Study: Surface Sediment	1	_						ş		Mercury	62.0	ę,) 9:	Suty	STS	sers	138	Σ	100	1 × 2	8270	20.				
Sample Type: D/U			····					эвегч 1668А	613B	Metals,	ASTM	nic carbon, ' 0C)	rchive -	HP, Tril Unger	Limits /	Conger	D/Fs 16	J, Metal	Organ	Is 8270-5	IP EPA	Tributyltia Kronc/Unge				
Sample Identification	Sample Date	Sample Time	Matrix	QC Sample	Sampler's Initials	Total No. of Cont.	Fraction	PCB Congr	PCDD/Fs 1613B	TPH Diesel, Metals, A 6026B, 7471A	Grain size ASTM	Total organic of 104C & 70C)	Archive Archive -20 C	PAHS, BEHP, Tributytin, LL, Kron/Unger	Atterberg Limits ASTM D4318	WQ - PCB Congeners	WQ - PCDD/Fs 1613B	TPH Bicsel, Metals, Mercury 6020B, 7471A	WQ - Total Organic Carbon SM5310B	WQ - PAHs 8270-SIM	WQ - BEHP EPA 8270D-L.L.	WQ - Trib		F1. 6.		
PDI-SG-B475	7/9/2018	14:00	SS	+	JH	8			Н				***************************************				Ť	 		-		2	***************************************	зящие эр	ecific Notes	:
PDI-SG-B476	7/9/2018	15:05	SS		JH	8	╁	H		X*	X*	X*	<u>H</u>	Н	H		<u></u>			ļ						
		12:45	SS		 		\vdash		H	х*	x*	χ*	Н	H	Н		 	 					ļ			
PDI-SG-B477	7/9/2018	12:43	35		Ж	8		H	Н	x*	x*	X*	H	н	H			 							***************************************	
						 																		<u></u>		
																		 								
Contracting Contracting to the Contraction																								*******		
							***********																	······································		***************************************

				***************************************			П																			
			***************************************																							***************************************
																			1 111111 580. 7	III III 8750	Chai					_
Container Type: WMG≃Wide Mouth Glass Jar, P=HDPE,	PP≂Polypro	opylene, A	G=amber g	lass, G=gla	ss, RC=Res	in Column													000-7	0,00	Cital	11 01 0	Justo	ıy .		_
Preservative: HCI = Hydrochloric Acid, H3PO4 = Phosph				*****		***************************************												ı		1	,					
Fraction: $D = Dissolved$, $PRT = Particulate$, $T = Total$ (unfiltered	d)							Samp	e Dist	osal					<u>-</u>	1							1			-
									Return	To Cli	ent	Х	_ispo:	sal By I	Lab		\ \rch	ive For	12 M	onths						
Special Instructions/QC Requirements & Comments: Separate reports for each lab.																							····			
x*- Analyze for grain size, metals (6020B analytes on H - Hold analyses pending further instruction.	y), Mn, and	TOC (906	i0 @ 104C 8	\$ 70C) ASAF	P. Rush TA	Γ for these t	ake i	preced	lent ov	er ren	naining	ı rush (grain s	size an	alyses	reque	ested A	ASAP.						4.8		
Relinquisified by	Supany 1720	6000		Date Time:	100/	1153	्	Recei	ed by			1	1	/				Compa	ny:	- E				Date/Time	سيما /	
Relinguished by:	Company:	<u> </u>		Date/T/me:	/ 4	<u> </u>	$\exists \dagger$	Receipt	ki by	W	1/1	\nearrow						Compa	Ay:	_ا_	-		—- 	7/11/18 Date/Time:	115:	<u>۔</u>
Retinedished by	Company:			7/1/1	18	340	'	V	1	1/1	1/2	12	31	12				7	41	20	12			7/11/18	136	0
Moary	TA	POR	,	Date/Time	7	170	اد	B.		fre	e	_ ^	•					Compai S Z	fy:	T	m			Flizik	0910	
				77	··········													***************************************					i			

Client Information (Sub Contract Lab)	Sampler:			Valke	Lab PM: Walker, Elaine M	5							_	
Client Contact: Shipping/Receiving	Phone:			E-Mail:	9,011011			C						
Company				elaine	walker@	eiaine.waiker@testamericainc.com	ainc.com		Oregon			Page 1 of 1		
TestAmerica Laboratories, Inc.				₹	ccreditation	Accrealtations Kequired (See note):	see note):			-		Job #: 580-78750-5	ıo	
Address: 30 Community Drive, Suite 11,	Due Date Requested 7/27/2018	ö					Analys	Analysis Requested	ested			Preservation Codes	Code	
City: South Burlington	TAT Requested (days):	/s):										A - HCL B - NaOH		ane
State, Zip: VT, 05403											• •	C - Zn Acetate D - Nitric Acid E - NaHSO4		a02 04S :S03
Phone: 802-660-1990(Tel) 802-660-1919(Fax)	PO #:											F - MeOH G - Amchlor H - Assorbic Acid		R - Na2S2O3 S - H2SO4 T - TSB Dodocohudoto
Email:	WO#:													Douecal you are tone
Project Name: Portland Harbor Pre-Remedial Design	Project #: 58012120				Marce Saulta						100164	K - EDTA L - EDA	W - pH Z - othe	4-5 ır (specify)
Site:	SSOW#:											Other:		
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Atr)	D4318 (HOIQ) 5:34(5)(1)						Jodania Jero I	Total Number	Special Instructions/Note:	ons/Note:
	$\left\langle \right\rangle$	\bigvee	100		X	1.00								Sept.
PDI-SG-B475 (580-78750-1)	7/9/18	14:00 Pacific		Solid	×						\$3.50°			
PDI-SG-B476 (580-78750-2)	7/9/18	15:05 Pacific		Solid	×							 		
PDI-SG-B477 (580-78750-3)	7/9/18	12:45 Pacific		Solid	×							-		
				-										,
		-										,		
	-													
											•			
												5 -1 8	,	
Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratory are shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation is status should be brought to TestAmerica Laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to TestAmerica Laboratories, Inc.	ories, Inc. places the cs/matrix being analyze	ownership of m ed, the sample gned Chain of	rethod, analyte is s must be shipp Custody attestir	& accreditation coded back to the Tog to said compliants	ompliance i estAmerica cance to Te	ipon out sub laboratory or stAmerica La	contract labor other instruct	atories. This tions will be nc.	sample ship provided. Ar	ment is for	warded unc to accredita	ler chain-of-custoc ation status should	dy. If the laborate be brought to	atory does not TestAmerica
Possible Hazard Identification Unconfirmed					Samp/	le Disposal (A f Return To Client	I (A fee n	ay be ass	assessed if sam Disposal Bv Lab	samples	are retai	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Return To Client Disposal By Lab	an 1 month	n th) Months
Deliverable Requested: I, II, III, IV, Other (specify)	Primary Deliverat	ible Rank: 2			Specia	Instructio	Special Instructions/QC Requirements:	quirements						
Empty Kit Relinquished by:		Date:			Time:				Method	Method of Shipment:				
Relinqueshed by:	8/2.J.L	ρſ	(5	Company	Rec	Received by:				Date/Time:	ъ:		Company	h
Kelingwerted by:	-		0	Company	Rec	Received by:				Date/Time:) le:		Company	Λυ
ſ	Date/Time:		0	Company	Rec	Received W.	2	\backslash		Date/Tifne:	ופ: /נא	54601	Compa	X S
Custody Seals Infact: Custody Seal No.:					8	Cooler Temperature(s)	့) 🥆	and Other Remarks:	ırks:					
)													Ver: 0	Ver: 09/20/2016

IN ENVIRONMENTAL TESTING

Chain of Custody . ecord

THE LEADER IN ENVIRONMENTAL TESTING

BUILDING 7 BEAVERTON, OR 970087145 UNITED STATES US

BILL RECIPIENT

221C5\8235\104C

TESTAMERICA LABORATORIES, INC 30 COMMUNITY DRIVE

SHIPPING/RECEIVING

Client: AECOM Job Number: 580-78750-5

Login Number: 78750 List Source: TestAmerica Seattle

List Number: 1

Creator: Antonson, Angeline D

ordator. Antonioon, Angomio B		
Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>True</td> <td></td>	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Client: AECOM Job Number: 580-78750-5

Login Number: 78750
List Source: TestAmerica Burlington
List Number: 3
List Creation: 07/14/18 10:51 AM

Creator: Mohn, Taylor J

Greator: Monn, Taylor J		
Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td>Lab does not accept radioactive samples.</td>	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	Seal present with no number.
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.2°C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	