

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica King Of Prussia

1008 West Ninth Avenue

King of Prussia, PA 19406

Tel: 610.337.9992

TestAmerica Job ID: KTL0279

TestAmerica Sample Delivery Group: KTL0279

Client Project/Site: 042210.00.02

Client Project Description: Cave Pond Sample

For:

BLACK & VEATCH

601 Walnut Street, Suite 850W

Philadelphia, PA 19106

Attn: Dane Pehrman



Authorized for release by:

1/3/2011 4:46 PM

Jill Miller

Project Manager

jill.miller@testamericainc.com

LINKS

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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.

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Qualifier Definition/Glossary

Client: BLACK & VEATCH
Project/Site: 042210.00.02

TestAmerica Job ID: KTL0279
SDG: KTL0279

Qualifiers

Volatiles

Qualifier	Qualifier Description
C	Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.

Metals

Qualifier	Qualifier Description
C	Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.

Wet Chem

Qualifier	Qualifier Description
A-01	Samples not distilled prior to fluoride analysis.
HFT	The holding time for this test is immediate. It was analyzed in the laboratory as soon as possible after receipt
RL7	Sample required dilution due to high concentrations of target analyte.

Glossary

Glossary	Glossary Description
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis.

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Analytical Data

Client: BLACK & VEATCH
Project/Site: 042210.00.02

TestAmerica Job ID: KTL0279
SDG: KTL0279

Client Sample ID: CP-01
Date Collected: 12/15/10 13:35
Date Received: 12/15/10 17:20

Lab Sample ID: KTL0279-01
Matrix: Water

Method: EPA 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0		ug/l		12/16/10 09:24	12/17/10 00:29	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/l		12/16/10 09:24	12/17/10 00:29	1
1,1,2-Trichloroethane	ND		2.0		ug/l		12/16/10 09:24	12/17/10 00:29	1
1,1-Dichloroethane	ND		2.0		ug/l		12/16/10 09:24	12/17/10 00:29	1
1,1-Dichloroethene	ND		2.0		ug/l		12/16/10 09:24	12/17/10 00:29	1
1,2-Dichloroethane	ND		1.0		ug/l		12/16/10 09:24	12/17/10 00:29	1
1,2-Dichloropropane	ND		1.0		ug/l		12/16/10 09:24	12/17/10 00:29	1
2-Butanone	ND		10		ug/l		12/16/10 09:24	12/17/10 00:29	1
2-Hexanone	ND		10		ug/l		12/16/10 09:24	12/17/10 00:29	1
4-Methyl-2-pentanone	ND		10		ug/l		12/16/10 09:24	12/17/10 00:29	1
Acetone	ND		50		ug/l		12/16/10 09:24	12/17/10 00:29	1
Benzene	ND		1.0		ug/l		12/16/10 09:24	12/17/10 00:29	1
Bromodichloromethane	ND		1.0		ug/l		12/16/10 09:24	12/17/10 00:29	1
Bromoform	ND		2.0		ug/l		12/16/10 09:24	12/17/10 00:29	1
Bromomethane	ND		2.0		ug/l		12/16/10 09:24	12/17/10 00:29	1
Carbon disulfide	ND		2.0		ug/l		12/16/10 09:24	12/17/10 00:29	1
Carbon tetrachloride	ND		1.0		ug/l		12/16/10 09:24	12/17/10 00:29	1
Chlorobenzene	ND		2.0		ug/l		12/16/10 09:24	12/17/10 00:29	1
Chlorodibromomethane	ND		1.0		ug/l		12/16/10 09:24	12/17/10 00:29	1
Chloroethane	ND		2.0		ug/l		12/16/10 09:24	12/17/10 00:29	1
Chloroform	ND	C	2.0		ug/l		12/16/10 09:24	12/17/10 00:29	1
Chloromethane	ND		2.0		ug/l		12/16/10 09:24	12/17/10 00:29	1
cis-1,2-Dichloroethene	ND		2.0		ug/l		12/16/10 09:24	12/17/10 00:29	1
cis-1,3-Dichloropropene	ND		1.0		ug/l		12/16/10 09:24	12/17/10 00:29	1
Ethylbenzene	ND		2.0		ug/l		12/16/10 09:24	12/17/10 00:29	1
Methyl tert-butyl ether	ND		2.0		ug/l		12/16/10 09:24	12/17/10 00:29	1
Methylene chloride	ND		2.0		ug/l		12/16/10 09:24	12/17/10 00:29	1
Styrene	ND		2.0		ug/l		12/16/10 09:24	12/17/10 00:29	1
Tetrachloroethene	ND		1.0		ug/l		12/16/10 09:24	12/17/10 00:29	1
Toluene	ND		2.0		ug/l		12/16/10 09:24	12/17/10 00:29	1
trans-1,2-Dichloroethene	ND		2.0		ug/l		12/16/10 09:24	12/17/10 00:29	1
trans-1,3-Dichloropropene	ND		1.0		ug/l		12/16/10 09:24	12/17/10 00:29	1
Trichloroethene	ND		1.0		ug/l		12/16/10 09:24	12/17/10 00:29	1
Trichlorofluoromethane	ND		2.0		ug/l		12/16/10 09:24	12/17/10 00:29	1
Vinyl chloride	ND	C	1.0		ug/l		12/16/10 09:24	12/17/10 00:29	1
Xylenes (total)	ND		6.0		ug/l		12/16/10 09:24	12/17/10 00:29	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	109		91 - 114	12/16/10 09:24	12/17/10 00:29	1
1,2-Dichloroethane-d4	112		85 - 125	12/16/10 09:24	12/17/10 00:29	1
Toluene-d8	99.0		84 - 111	12/16/10 09:24	12/17/10 00:29	1
4-Bromofluorobenzene	103		86 - 120	12/16/10 09:24	12/17/10 00:29	1

Method: EPA 200.7 - Total Metals by EPA 200 Series Methods

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.10		mg/L		12/16/10 06:47	12/20/10 17:08	1

Method: EPA 200.8 - Total Metals by EPA 200 Series Methods

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		20		ug/l		12/16/10 05:31	12/21/10 11:47	2
Antimony	1.4		1.0		ug/l		12/16/10 05:31	12/21/10 11:47	2

Analytical Data

Client: BLACK & VEATCH
Project/Site: 042210.00.02

TestAmerica Job ID: KTL0279
SDG: KTL0279

Client Sample ID: CP-01
Date Collected: 12/15/10 13:35
Date Received: 12/15/10 17:20

Lab Sample ID: KTL0279-01
Matrix: Water

Method: EPA 200.8 - Total Metals by EPA 200 Series Methods (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.0		1.0		ug/l		12/16/10 05:31	12/20/10 15:22	2
Barium	38		0.96		ug/l		12/16/10 05:31	12/20/10 15:22	2
Beryllium	ND		0.56		ug/l		12/16/10 05:31	12/20/10 15:22	2
Cadmium	ND		0.43		ug/l		12/16/10 05:31	12/20/10 15:22	2
Chromium	1.6		1.4		ug/l		12/16/10 05:31	12/20/10 15:22	2
Copper	3.3		1.0		ug/l		12/16/10 05:31	12/20/10 15:22	2
Lead	1.1		0.96		ug/l		12/16/10 05:31	12/20/10 15:22	2
Manganese	ND	C	10		ug/l		12/16/10 05:31	12/21/10 11:47	2
Selenium	4.3		3.6		ug/l		12/16/10 05:31	12/20/10 15:22	2
Thallium	ND		0.40		ug/l		12/16/10 05:31	12/20/10 15:22	2

Method: EPA 7470A - Total Metals by EPA 6000/7000 Series Methods

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		1.00		ug/l		12/20/10 04:34	12/20/10 08:33	1

Method: SM 2130B - General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Turbidity	ND		0.50		NTU		12/17/10 12:33	12/17/10 12:45	1

Method: SM 2540C - General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	940	RL7	25		mg/L		12/17/10 08:25	12/17/10 11:20	1

Method: SM 4500-Cl C - General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	400		5.0		mg/L		12/16/10 13:26	12/16/10 13:55	1

Method: SM 4500-F C - General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND	A-01	0.50		mg/L		12/23/10 06:25	12/23/10 11:24	1

Method: SM 4500-H - General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.00	HFT			pH Units		12/16/10 08:30	12/16/10 09:05	1

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	6.6		0.50		mg/L		01/03/11 12:31	01/03/11 12:31	5

Analytical Data

Client: BLACK & VEATCH
Project/Site: 042210.00.02

TestAmerica Job ID: KTL0279
SDG: KTL0279

Client Sample ID: TB-01

Date Collected: 12/15/10 13:35

Date Received: 12/15/10 17:20

Lab Sample ID: KTL0279-02

Matrix: Water

Method: EPA 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0		ug/l		12/16/10 09:24	12/17/10 19:41	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/l		12/16/10 09:24	12/17/10 19:41	1
1,1,2-Trichloroethane	ND		2.0		ug/l		12/16/10 09:24	12/17/10 19:41	1
1,1-Dichloroethane	ND		2.0		ug/l		12/16/10 09:24	12/17/10 19:41	1
1,1-Dichloroethene	ND		2.0		ug/l		12/16/10 09:24	12/17/10 19:41	1
1,2-Dichloroethane	ND		1.0		ug/l		12/16/10 09:24	12/17/10 19:41	1
1,2-Dichloropropane	ND		1.0		ug/l		12/16/10 09:24	12/17/10 19:41	1
2-Butanone	ND		10		ug/l		12/16/10 09:24	12/17/10 19:41	1
2-Hexanone	ND		10		ug/l		12/16/10 09:24	12/17/10 19:41	1
4-Methyl-2-pentanone	ND		10		ug/l		12/16/10 09:24	12/17/10 19:41	1
Acetone	ND		50		ug/l		12/16/10 09:24	12/17/10 19:41	1
Benzene	ND		1.0		ug/l		12/16/10 09:24	12/17/10 19:41	1
Bromodichloromethane	ND		1.0		ug/l		12/16/10 09:24	12/17/10 19:41	1
Bromoform	ND		2.0		ug/l		12/16/10 09:24	12/17/10 19:41	1
Bromomethane	ND		2.0		ug/l		12/16/10 09:24	12/17/10 19:41	1
Carbon disulfide	ND		2.0		ug/l		12/16/10 09:24	12/17/10 19:41	1
Carbon tetrachloride	ND		1.0		ug/l		12/16/10 09:24	12/17/10 19:41	1
Chlorobenzene	ND		2.0		ug/l		12/16/10 09:24	12/17/10 19:41	1
Chlorodibromomethane	ND		1.0		ug/l		12/16/10 09:24	12/17/10 19:41	1
Chloroethane	ND		2.0		ug/l		12/16/10 09:24	12/17/10 19:41	1
Chloroform	ND		2.0		ug/l		12/16/10 09:24	12/17/10 19:41	1
Chloromethane	ND		2.0		ug/l		12/16/10 09:24	12/17/10 19:41	1
cis-1,2-Dichloroethene	ND		2.0		ug/l		12/16/10 09:24	12/17/10 19:41	1
cis-1,3-Dichloropropene	ND		1.0		ug/l		12/16/10 09:24	12/17/10 19:41	1
Ethylbenzene	ND		2.0		ug/l		12/16/10 09:24	12/17/10 19:41	1
Methyl tert-butyl ether	ND		2.0		ug/l		12/16/10 09:24	12/17/10 19:41	1
Methylene chloride	ND		2.0		ug/l		12/16/10 09:24	12/17/10 19:41	1
Styrene	ND		2.0		ug/l		12/16/10 09:24	12/17/10 19:41	1
Tetrachloroethene	ND		1.0		ug/l		12/16/10 09:24	12/17/10 19:41	1
Toluene	ND		2.0		ug/l		12/16/10 09:24	12/17/10 19:41	1
trans-1,2-Dichloroethene	ND		2.0		ug/l		12/16/10 09:24	12/17/10 19:41	1
trans-1,3-Dichloropropene	ND		1.0		ug/l		12/16/10 09:24	12/17/10 19:41	1
Trichloroethene	ND		1.0		ug/l		12/16/10 09:24	12/17/10 19:41	1
Trichlorofluoromethane	ND		2.0		ug/l		12/16/10 09:24	12/17/10 19:41	1
Vinyl chloride	ND		1.0		ug/l		12/16/10 09:24	12/17/10 19:41	1
Xylenes (total)	ND		6.0		ug/l		12/16/10 09:24	12/17/10 19:41	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	97.6		91 - 114	12/16/10 09:24	12/17/10 19:41	1
1,2-Dichloroethane-d4	100		85 - 125	12/16/10 09:24	12/17/10 19:41	1
Toluene-d8	97.8		84 - 111	12/16/10 09:24	12/17/10 19:41	1
4-Bromofluorobenzene	106		86 - 120	12/16/10 09:24	12/17/10 19:41	1

Lab Chronicle

Client: BLACK & VEATCH
Project/Site: 042210.00.02

TestAmerica Job ID: KTL0279
SDG: KTL0279

Client Sample ID: CP-01

Date Collected: 12/15/10 13:35

Date Received: 12/15/10 17:20

Lab Sample ID: KTL0279-01

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
total	Prep	EPA 5030B (P/T)		1.00	10L0323_P	12/16/10 09:24	MSL	TestAmerica King Of Prussia
total	Analysis	EPA 8260B		1	T002357	12/17/10 00:29	MSL	TestAmerica King Of Prussia
total	Prep	EPA 200.8 Water		1.00	10L0310_P	12/16/10 05:31	PAM	TestAmerica King Of Prussia
total	Analysis	EPA 200.8		2	10L0310	12/21/10 11:47	Rw	TestAmerica King Of Prussia
total	Analysis	EPA 200.8		2	10L0310	12/20/10 15:22	Rw	TestAmerica King Of Prussia
total	Prep	EPA 200.7 Water		1.00	10L0311_P	12/16/10 06:47	PAM	TestAmerica King Of Prussia
total	Analysis	EPA 200.7		1	T002386	12/20/10 17:08	MKR	TestAmerica King Of Prussia
total	Prep	EPA 7470A		1.00	10L0370_P	12/20/10 04:34	PAM	TestAmerica King Of Prussia
total	Analysis	EPA 7470A		1	T002379	12/20/10 08:33	SPC	TestAmerica King Of Prussia
total	Prep	General Prep WC		1.00	10L0333_P	12/16/10 13:26	TYH	TestAmerica King Of Prussia
total	Analysis	SM 4500-CI C		1	10L0333	12/16/10 13:55	TYH	TestAmerica King Of Prussia
total	Prep	General Prep WC		1.00	10L0463_P	12/23/10 06:25	SPC	TestAmerica King Of Prussia
total	Analysis	SM 4500-F C		1	10L0463	12/23/10 11:24	SPC	TestAmerica King Of Prussia
total	Prep	General Prep WC		1.00	10L0316_P	12/16/10 08:30	TYH	TestAmerica King Of Prussia
total	Analysis	SM 4500-H		1	10L0316	12/16/10 09:05	TYH	TestAmerica King Of Prussia
total	Prep	General Prep WC		2.50	10L0351_P	12/17/10 08:25	TYH	TestAmerica King Of Prussia
total	Analysis	SM 2540C		1	10L0351	12/17/10 11:20	TYH	TestAmerica King Of Prussia
total	Prep	General Prep WC			10L0356_P	12/17/10 12:33	TYH	TestAmerica King Of Prussia
total	Analysis	SM 2130B		1	10L0356	12/17/10 12:45	TYH	TestAmerica King Of Prussia
total	Analysis	353.2		5	60420	01/03/11 12:31		TestAmerica Edison
total	Prep	NA			60420_P	01/03/11 12:31		TestAmerica Edison

Client Sample ID: TB-01

Date Collected: 12/15/10 13:35

Date Received: 12/15/10 17:20

Lab Sample ID: KTL0279-02

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
total	Prep	EPA 5030B (P/T)		1.00	10L0323_P	12/16/10 09:24	MSL	TestAmerica King Of Prussia
total	Analysis	EPA 8260B		1	10L0323	12/17/10 19:41	CB	TestAmerica King Of Prussia

Certification Summary

Client: BLACK & VEATCH
Project/Site: 042210.00.02

TestAmerica Job ID: KTL0279
SDG: KTL0279

Laboratory	Authority	Program	EPA Region	Certification ID	Expiration Date
TestAmerica King Of Prussia		USDA		P330-10-00327	09/21/13
TestAmerica King Of Prussia	Maryland	State Program	3	253	06/30/11
TestAmerica King Of Prussia	New Jersey	NELAC	2	PA004	06/30/11
TestAmerica King Of Prussia	Pennsylvania	NELAC	3	46-00505	06/30/11
TestAmerica Edison		USDA		NJCA-003-08	03/11/11
TestAmerica Edison	Connecticut	State Program	1	PH-0200	09/30/12
TestAmerica Edison	Delaware	Delaware SIRB	3	N/A	12/31/11
TestAmerica Edison	New Jersey	NELAC	2	12028	06/30/11
TestAmerica Edison	New York	NELAC	2	11452	04/01/11
TestAmerica Edison	Pennsylvania	NELAC	3	68-00522	02/28/11
TestAmerica Edison	Rhode Island	State Program	1	LAO00132	12/30/11

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: BLACK & VEATCH
Project/Site: 042210.00.02

TestAmerica Job ID: KTL0279
SDG: KTL0279

Method	Method Description	Protocol	Laboratory
EPA 8260B	Volatile Organic Compounds by EPA Method 8260B		TAL KOP
EPA 200.7	Total Metals by EPA 200 Series Methods		TAL KOP
EPA 200.8	Total Metals by EPA 200 Series Methods		TAL KOP
EPA 7470A	Total Metals by EPA 6000/7000 Series Methods		TAL KOP
SM 2130B	General Chemistry		TAL KOP
SM 2540C	General Chemistry		TAL KOP
SM 4500-Cl C	General Chemistry		TAL KOP
SM 4500-F C	General Chemistry		TAL KOP
SM 4500-H	General Chemistry		TAL KOP
353.2	Nitrogen, Nitrate-Nitrite		TAL EDI

Protocol References:

=

Laboratory References:

TAL EDI = TestAmerica Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732) 549-3900

TAL KOP = TestAmerica King Of Prussia, 1008 West Ninth Avenue, King of Prussia, PA 19406, TEL 610.337.9992

Sample Summary

Client: BLACK & VEATCH
Project/Site: 042210.00.02

TestAmerica Job ID: KTL0279

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
KTL0279-01	CP-01	Water	12/15/10 13:35	12/15/10 17:20
KTL0279-02	TB-01	Water	12/15/10 13:35	12/15/10 17:20

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BRANDYWINE SCIENCE CENTER INC.
204 LINE ROAD
KENNETT SQUARE, PA. 19348
DEP # 15-301
610-444-9850



LABORATORY REPORT FOR
TEST AMERICA
King of Prussia, PA

SAMPLE DATE	12/15/10	MANNER OF COLLECTION	GRAB	x
SAMPLE TIME	13:35		COMPOSITE	
DATE RECEIVED	12/16/10			
TIME RECEIVED	10:50	SAMPLE	LAB STAFF	
DATE OF REPORT	12/20/10	COLLECTION	TEST AMERICA	x

SAMPLE ID	LAB NUMBER	ANALYSIS	RESULT	DATE/TIME	UNITS	METHOD	ANALYST
CP-01	011999	TOTAL COLIFORM	>200	12/16/2010 17:00	MPN per 100 ml	SM 9223	H. C.
CP-01	011999	TOTAL PLATE COUNT	42	12/16/2010 17:10	MPN per 100 ml	SM 9223	H. C.

Total Coliform performed by the Colilert™ method.

MPN Indicates Most Probable Number.

Analyses performed in accordance with "STANDARD METHODS FOR THE EXAMINATION
OF WATER AND WASTEWATER, 18th EDITION APHA-AWWA-WPCF.

Henry D. Clemens III
Laboratory Director

TestAmerica

CHAIN OF CUSTODY REPORT

THE LEADER IN ENVIRONMENTAL TESTING

1008 W. Ninth Avenue
King of Prussia, PA 19406
(610) 337-9992
FAX (610) 337-9939

Client: <u>Black's Veatch</u>		Bill To: <u>Black's Veatch</u>		TAT: (STD) 5 DAY 4 DAY 3 DAY 2 DAY 1 DAY <24 HRS.															
Address: <u>601 Walnut Street SOW</u>		Address: <u>601 Walnut St. SOW</u>		Received: ☐ ice ☐ ambient															
City: <u>Philadelphia, Pa 19106</u>		City: <u>Philadelphia, PA</u>		Deliverable Package: ☐ NO ☐ YES															
Report to: <u>Dave Perinquin</u>		State & Program: <u>PA</u>		Terms: Net 30 days															
E-mail: <u>pete@blackveatch.com</u>		Phone #: <u>(856) 275-1004</u>		Fax #: <u>(856) 275-1004</u>															
Project Name: <u>Cave Road Sample</u>		Phone #: <u>(856) 275-1004</u>		Fax #: <u>(856) 275-1004</u>															
Project #/PO#: <u>042210.00.02</u>		Fax #: <u>(856) 275-1004</u>		If Yes, please explain:															
Sampler: <u>Dianna Nesterfano</u>		Fax #: <u>(856) 275-1004</u>		If Yes, please explain:															
PID LOCATION		Fax #: <u>(856) 275-1004</u>		If Yes, please explain:															
1	CP-01	DATE COLLECTED	TIME COLLECTED	SAMPLE MATRIX	# of Bottles Preservative Used	TOTAL # OF BOTTLES	SAMPLES FIELD FILTERED	PH/TDS	CL/F/Ammonia	Total Coliform	VOCS	Metals	N-Test	Heterophilic Count	CRACKED-BROKEN	IMPROPERLY SEALED	LABORATORY ID NUMBER		
2	TB-01	12/15	13:35	H2O	3	11	2	9	✓	✓	✓	✓	✓	✓	✓	✓	✓	1710279-01	
3		12/15	13:35	H2O					3										
4																			
5																			
6																			
7																			
8																			
9																			
10																			
RELINQUISHED		DATE	TIME	RECEIVED	DATE	TIME	RELINQUISHED	DATE	TIME	RECEIVED	DATE	TIME	RELINQUISHED	DATE	TIME	RECEIVED	DATE	TIME	
RELINQUISHED		12/15	17:15	12/15	17:20	12/15	17:20	12/15	17:20	12/15	17:20	12/15	17:20	12/15	17:20	12/15	17:20	12/15	17:20
COMMENTS:		Custody and Integrity of Sample																	

TestAmerica

CHAIN OF CUSTODY REPORT

THE LEADER IN ENVIRONMENTAL TESTING

1008 W. Ninth Avenue
King of Prussia, PA 19406
(610) 337-9992
FAX (610) 337-9939

Client: <u>1008 W. Ninth Ave</u>		Bill To: <u>1008 W. Ninth Ave</u>		TAT: (STD) 5 DAY 4 DAY 3 DAY 2 DAY 1 DAY <24 HRS.	
Address: <u>1008 W. Ninth Ave</u>		Address: <u>1008 W. Ninth Ave</u>		DATE RESULTS NEEDED:	
Phone #: <u>(610) 337-9992</u>		State & Program: <u>PA</u>		Terms: Net 30 days	
E-mail: <u>test@testamerica.com</u>		Phone #: <u>(610) 337-9992</u>		Fax #: <u>(610) 337-9939</u>	
Project Name: <u>1008 W. Ninth Ave</u>		Project #/PO#: <u>1008 W. Ninth Ave</u>		Deliverable Package: ☐ NO ☐ YES	
Sampler: <u>1008 W. Ninth Ave</u>		Phone #: <u>(610) 337-9992</u>		Fax #: <u>(610) 337-9939</u>	
FIELD ID, LOCATION		DATE COLLECTED		TIME COLLECTED	
SAMPLE MATRIX		MeOH		DI	
HCl		HNO ₃		H ₂ SO ₄	
NONE		TOTAL # OF BOTTLES		SAMPLES FIELD FILTERED ☐ YES ☐ NO	
ANALYSIS TYPE		CRACKED-BROKEN		IMPROPERLY SEALED	
LABORATORY ID NUMBER		SAMPLE CONTROL		DATE	
1		PID:		DATE	
2		PID:		DATE	
3		PID:		DATE	
4		PID:		DATE	
5		PID:		DATE	
6		PID:		DATE	
7		PID:		DATE	
8		PID:		DATE	
9		PID:		DATE	
10		PID:		DATE	
RELINQUISHED		RECEIVED		RELINQUISHED	
DATE		DATE		DATE	
TIME		TIME		TIME	
RELINQUISHED		RECEIVED		RELINQUISHED	
DATE		DATE		DATE	
TIME		TIME		TIME	
COMMENTS:		PAGE		OF	

Cooler Receipt FormWORK ORDER #: KF110279Client: Black & VeatchProject: Cave Pond SampleTemperature Upon Receipt by IR: 2°CCooler received from: TA Courier Client FedEx UPS Other: _____**For Received Shipments only:**Number of Coolers: 1 2 3+Custody Seals Intact? Y NIce Present? Y N N/A MeltedPacking Material: Bubble Wrap Other None**For Subcontracted Samples only:**ALL preserved containers (except VOA) checked for correct pH and are acceptable? Y N N/AResidual Chlorine checks done on each container that needs it? Y N N/AVoa Vials have air bubbles > 6mm? Y N N/ASufficient volume for all analyses? Y NAll Sample Containers Intact? Y NAll Sample Containers labeled: Y NAll Sample Containers received: Y NAll Container labels match COC: Y N

List Discrepancies below if indicated:

Review COC against Sample Acceptance Checklist:

- 1 Client Name & Address present
- 2 Project Name and/or Number included
- 3 Field Sampler Name listed
- 4 Field ID/Location - one sample per line
- 5 Date collected (for each sample)
- 6 Time collected (for each sample)
- 7 Matrix (for each sample)
- 8 Number & Types of bottles per sample (and preservation type)
- 9 Analysis Requested
10. Sign & Date in the Relinquished Box

<u>Yes</u>	No
<u>Yes</u>	No
<u>Yes</u>	No
<u>Yes</u>	No
<u>Yes</u>	No
<u>Yes</u>	No
<u>Yes</u>	No
<u>Yes</u>	No
<u>Yes</u>	No
<u>Yes</u>	No

Discrepancies: _____

Spec Sheet/CAR#: _____ PM or Client contacted? Y N N/ASignature: [Signature]Date/Time: 12/15/10

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