SEVERN TRENT STL

STL Pittsburgh
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ANALYTICAL REPORT

Kittiwake

Lot #: C7D070160

Tim Mullane

Dominion Marine Group
Box 152
Chincotague, VA 23336

SEVERN TRENT LABORATORIES, INC.

Christina M. Kovitch
Project Manager

April 10, 2007

SEVERN TRENT STL

ACCREDITED IN ACCORDANCE WITH nelac

NELAC REPORTING:

The format and content of the attached report meets NELAC standards and guidelines except as noted in the narrative. The table below presents a summary of the certifications held by STL Pittsburgh. Our primary accreditation authority for the Non-potable water and Solid & Hazardous waste programs is Pennsylvania DEP. A more detailed parameter list is available upon request. Please ask your project manager for this information when required.

Certifying State/Program	Certificate #	Program Types	STL Pittsburgh
NFESC	NA	NAVY	X
USACE	NA	Corps of Engineers	X
US Dept of Agriculture	(#S-46425)	Foreign Soil Import Permit	X
Arkansas	(#03-022-1)	WW HW	X X
California – nelac	04224CA	WW HW	X X
Connecticut	(#PH-0688)	WW HW	X X
Florida – nelac	(#E87660)	WW HW	X X
Illinois – nelac	(#200005)	WW HW	X X
Kansas – nelac	(#E-10350)	WW HW	X X
Louisiana – nelac	(#93200)	WW HW	X X
New Hampshire – nelac	(#203002)	WW --	X --
New Jersey – nelac	(PA-005)	WW HW	X X
New York – nelac	(#11182)	WW HW	X X
North Carolina	(#434)	WW HW	X X
Ohio Vap	(#CL0063)	WW HW	X X
Pennsylvania - nelac	(#02-00416)	WW HW	X X
South Carolina	(#89014001)	WW HW	X X
Utah – nelac	(STLP)	WW HW	X X
West Virginia	(#142)	WW HW	X X
Wisconsin	998027800	WW HW	X X

The codes utilized for program types are described below:

HW Hazardous Waste certification
WW Non-potable Water and/or Wastewater certification
X Laboratory has some form of certification under the specific program. Many states certify laboratories for specific parameters or tests within a category. The information in the table indicates the lab is certified in a general category of testing. Please contact the laboratory if parameter specific certification information is required.

Updated: 04/27/06

CASE NARRATIVE

Kittiwake

STL LOT #: C7D070160

Shipment:
Samples were received at STL Pittsburgh on April 7, 2007. The cooler was received within the proper temperature range.

If project specific QC was not required for samples contained in this report, when batch QC was completed on these samples, anomalous results will be discussed below.

PCBs:
Due to the concentration of AR1262 detected, the samples were analyzed at a dilution. The samples had the surrogates diluted out.

METHODS SUMMARY

C7D070160

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
PCBs by SW-846 8082	SW846 8082	SW846 3541

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

C7D070160

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JTJ27	001	67A	04/06/07	10:51
JTJ28	002	67B	04/06/07	10:51

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

C7D070160

Chain of Custody Record

SEVERN TRENT **STL®**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: DOMINION MARINE GROUP	Project Manager: TIM MULLANE	Date: 4/6/07	Chain of Custody Number: 288607
Address: BOX 152	Telephone Number (Area Code)/Fax Number: 757 544 5614	Lab Number	Page 1 of 1
City: CHINCOTEAGUE State: VA Zip Code: 23336	Site Contact	Lab Contact	
Project Name and Location (State): KITTIWAKE	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil		Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed): PCB	Special Instructions/ Conditions of Receipt
67 A	4/6/07	10:51					X	X						X	SOXLET 8082
67 B	4/6/07	10:51					X	X						X	SOXLET 8082

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other ASAP

QC Requirements (Specify)

1. Relinquished By: TIM MULLANE	Date: 4/6/07	Time: 10:51	1. Received By: Amelia Kennedy	Date: 4/6/07	Time: 1051
2. Relinquished By: Amelia Kennedy	Date: 4/6/07	Time: 1600	2. Received By:	Date:	Time:
3. Relinquished By:	Date:	Time:	3. Received By: Patrick R Faust	Date: 4/7/07	Time: 0940

Comments: EMAIL RESULTS PLEASE TMULLANE@DOMINIONMARINE.NET

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Cash in Advance / Prepaid Sales

Client Sample ID: 67A

GC Semivolatiles

Lot-Sample #...:	C7D070160-001	**Work Order #...:**	JTJ271AA	**Matrix.....:**	SOLID
Date Sampled...:	04/06/07	**Date Received..:**	04/07/07	**MS Run #.....:**	
Prep Date.....:	04/09/07	**Analysis Date..:**	04/10/07		
Prep Batch #...:	7099011	**Analysis Time..:**	07:52		
Dilution Factor:	2000				
% Moisture.....:		**Method.....:**	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	33000	ug/kg
Aroclor 1221	ND	33000	ug/kg
Aroclor 1232	ND	33000	ug/kg
Aroclor 1242	ND	33000	ug/kg
Aroclor 1248	ND	33000	ug/kg
Aroclor 1254	ND	33000	ug/kg
Aroclor 1260	ND	33000	ug/kg
Aroclor 1262	**3400000**	**33000**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	NC,DIL	(31 - 127)
Decachlorobiphenyl	NC,DIL	(23 - 141)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Cash in Advance / Prepaid Sales

Client Sample ID: 67B

GC Semivolatiles

Lot-Sample #...:	C7D070160-002	**Work Order #...:**	JTJ281AA	**Matrix.....:**	SOLID
Date Sampled...:	04/06/07	**Date Received..:**	04/07/07	**MS Run #.....:**	
Prep Date.....:	04/09/07	**Analysis Date..:**	04/10/07		
Prep Batch #...:	7099011	**Analysis Time..:**	08:15		
Dilution Factor:	2000				
% Moisture.....:		**Method.....:**	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	33000	ug/kg
Aroclor 1221	ND	33000	ug/kg
Aroclor 1232	ND	33000	ug/kg
Aroclor 1242	ND	33000	ug/kg
Aroclor 1248	ND	33000	ug/kg
Aroclor 1254	ND	33000	ug/kg
Aroclor 1260	ND	33000	ug/kg
Aroclor 1262	**3400000**	**33000**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	NC,DIL	(31 - 127)
Decachlorobiphenyl	NC,DIL	(23 - 141)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: C7D070160
MB Lot-Sample #: C7D090000-011
Work Order #...: JTJ7F1AA
Matrix.....: SOLID
Prep Date.....: 04/09/07
Analysis Date..: 04/10/07
Prep Batch #...: 7099011
Analysis Time..: 08:38
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	17	ug/kg	SW846 8082
Aroclor 1221	ND	17	ug/kg	SW846 8082
Aroclor 1232	ND	17	ug/kg	SW846 8082
Aroclor 1242	ND	17	ug/kg	SW846 8082
Aroclor 1248	ND	17	ug/kg	SW846 8082
Aroclor 1254	ND	17	ug/kg	SW846 8082
Aroclor 1260	ND	17	ug/kg	SW846 8082

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	93	(31 - 127)
Decachlorobiphenyl	94	(23 - 141)

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: C7D070160 **Work Order #...:** JTJ7F1AC-LCS **Matrix.....:** SOLID
LCS Lot-Sample#: C7D090000-011 JTJ7F1AD-LCSD
Prep Date.....: 04/09/07 **Analysis Date..:** 04/09/07
Prep Batch #...: 7099011 **Analysis Time..:** 16:45
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aroclor 1016	**81**	**(55 - 117)**			**SW846 8082**
	84	**(55 - 117)**	**4.4**	**(0-35)**	**SW846 8082**
Aroclor 1260	**86**	**(54 - 117)**			**SW846 8082**
	89	**(54 - 117)**	**3.1**	**(0-29)**	**SW846 8082**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	81	(31 - 127)
	86	(31 - 127)
Decachlorobiphenyl	96	(23 - 141)
	93	(23 - 141)

NOTE(S):

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

Bold print denotes control parameters