DEPARTMENT OF THE NAVY
NAVSEA INACTIVE SHIPS ON-SITE MAINTENANCE OFFICE
4701 S. 16TH STREET, BUILDING 545
NAVAL BUSINESS CENTER
PHILADELPHIA, PA 19112-5095

IN REPLY REFER TO:

4770
Ser N3/024
16 Jul 14

From: Director, Naval Sea Systems Command, Inactive Ships On-Site Maintenance Office, Philadelphia Naval Business Center, Philadelphia, PA 19112
To: Defense Logistics Agency Disposition Service, 74 Washington Avenue N, Battle Creek, MI 49017-3092
Via: Director, Naval Sea Systems Command, Inactive Ships Management Office, Portsmouth, VA 23702-1009

Subj: DISPOSAL REPORTING LETTER FOR EX-HAWES (FFG-53)

Ref:
(a) NAVSEASYSCOM ltr 4780 Ser 333/336 of 14 Dec 11
(b) OPNAVINST 4770.5H
(c) INACTSHIPOFFINST 4770.3E
(d) DoDM 4160.28-M V1, Defense Demilitarization: Program Administration Manual of 7 Jun 2011
(e) DoDM 4160.28-M V2, Defense Demilitarization: Demilitarization Coding of 7 Jun 2011
(f) DoDM 4160.28-M V3, Defense Demilitarization: Procedural Guidance of 7 Jun 2011
(g) COMNAVSEASYSCOM Washington DC ltr 4770 Ser 00T/2408 of 21 Sep 95

Encl:
(1) ACM/PACM Survey Report
(2) Low Level Radioactive Material Survey and Removal Report
(3) Polychlorinated Biphenyl (PCB) Inventory Report
(4) Polychlorinated Biphenyl Sampling and Analysis Survey
(5) Declassification Inspection
(6) Demilitarization Report
(7) Condition of Sale Items
(8) Liquid Load Documentation
(9) Mercury Inventory Report
(10) Rodent Free Certification
(11) Certification of Refrigerant Removal Report
(12) Equipment Containing Hydraulic Fluid
(13) Final Walk-Through Inspection
(14) List of Equipment not included in sale
(15) Photographs of Ex-HAWES

Subj: DISPOSAL REPORTING LETTER FOR EX-HAWES (FFG-53)

1. The following information is forwarded for use in preparation of the sales invitation for the ex-HAWES (FFG-53) Per references (a) through (g).

a. The vessel is in the custody of Director, NAVSEA Inactive Ships On-Site Maintenance Office Philadelphia and is located at Inactive Ships Facility in Philadelphia, PA.

b. Official to be contacted by prospective bidders:

Name: Charles Rothwell
4701 S. 16th Street, Philadelphia, PA 19112-5095
Telephone Number: (215) 897-6771
Fax Number: (215) 897-6098
E-Mail Address: charles.rothwell@navy.mil

c. The ex-HAWES (FFG-53) is available for inspection by appointment only, Monday through Friday, excluding holidays, between the hours of 0700 and 1530. Appointments must be made 24 hours in advance.

d. It is the opinion of the custodian that the hull of the ex-HAWES (FFG-53) is in poor condition. It is recommended that prospective bidders inspect the hull and make their own determination of the suitability of this vessel for usage or tow.

e. Vessel characteristics are as follows:

(1) Builder: Bath Iron Works, Bath, ME

(2) Date Constructed: 9 February 1985

(3) Dimensions: Length: 453′ Beam: 47′

(4) Current Displacement: 3182 LT light load displacement IAW the NVR

(5) Draft: Navigational 26′

(6) Vessel Metallurgical Description: Steel Hull, Aluminum Superstructure IAW the NVR

f. The Intra-Fleet Supply Support Operation Program (ISSOT) inventory and offload has been accomplished as tasked.

g. Navy Curator items have been removed from the vessel and shipped to the Navy History and Heritage Command in accordance with references (a) through (g).

h. Stripping requirements have been completed and a final walk-through was conducted to ensure there was no additional material of Navy interest left onboard.

i. The vessel has been declassified in accordance with reference (c).

j. Precious metal recovery has been completed per reference (c).

k. The vessel's hull number and hull name have been obliterated.

2. Enclosures (1) through (15) are forwarded.

a. Enclosure (1) provides the compartment-by-compartment tabulation of the vessels interior denoting the presence and condition of ACM/PACM. This tabulation is a visual survey based on the best available knowledge of the inspector and is not a characterization of the quantity or location of ACMs/PACMs on board.

b. Enclosure (2) provides survey and removal of all known low-level radioactive items. Include in the sale catalog that naturally occurring radiation (i.e., fire brick, terrazzo deck, porcelain, etc.,) remains onboard.

c. Enclosure (3) provides the list of all known liquid filled transformers, capacitors, filters, etc., potentially containing regulated polychlorinated biphenyl (PCB). This list was compiled from an initial inventory provided by the Naval Surface Warfare Center, Bethesda, MD,

which identified components in systems potentially containing PCBs. The list was compared to the actual components found onboard.

d. Enclosure (4) provides the PCB Sampling and Analysis Survey that identifies additional solid applications (i.e., electrical cable, bulkhead insulation, ventilation gaskets, aluminized paints, etc.) that potentially contain regulated amounts of PCBs in accordance with reference (e).

e. Enclosure (5) provides declassification information of ex-HAWES (FFG-53).

f. Enclosure (6) provides the certification on completion of demilitarization as required by references (d) through (f).

g. Enclosure (7) provides any remaining condition of sale requirements.

h. Enclosure (8) provides the status of all water, fuel, lube oil tanks and the amount and type of any fixed ballast onboard. Include in the sales catalog a 30 - 45 day opportunity for bidders to verify tank soundings.

i. Enclosure (9) provides the inventory of all equipment which contains mercury. This is a visual survey based on the best available knowledge of the inspector.

j. Enclosure (10) provides the status of the rodent free certification.

k. Enclosure (11) provides a list of systems where refrigerants remain or have been recovered and an inventory of small sealed systems that remain on board.

l. Enclosure (12) provides an inventory of remaining systems containing hydraulic fluids.

m. Enclosure (13) provides the Final Walk-Through Inspection.

n. Enclosure (14) provides the list of equipment not part of the vessel that will be removed prior to sale.

o. Enclosure (15) provides photographs of ex-HAWES (FFG-53).

3. The ex-HAWES (FFG-53) is ready in all respects for sale.

THOMAS C. DEEGAN

Copy to:
COMNAVSEASYSCOM Washington DC (SEA 21I)
NAVSEA INACTSHIPOFF Portsmouth VA

ACM/PACM SURVEY

HULL NO: ex- HAWES HULL NUMBER: FFG-53

VESSEL STATUS: N/A CUSTODIAN: GLOBAL NISMO PHILA

BERTH: NISMO - PHILADELPHIA

NO. OF SAMPLE LOCATION DANGER SIGNS: 0
NO. OF SPACE DANGER SIGNS: 0

NO. OF AIR SAMPLES: 25 NO. OF BULK SAMPLES: 25

DATE: 5/1/14 TOTAL NUMBER OF REPAIRS COMPLETED: 25

Note: Lagging and insulation is encapsulated.

Submitted by:

James A. Sirles, EHS Mgr

Enclosure (1)

ASBESTOS SURVEY FORM

HULL NO: FFG-53 NAME: EX-HAWES DATE: 7/10/14

STATUS: DISPOSAL CUSTODIAN: NISMO BERTHED: INACT SHIPS PHILA

NO. REPAIRS:25 NO.SPACE DANGER SIGNS: 0

NO. SAMPLE LOCATION DANGER SIGNS: 0

NO. AIR SAMPLES:25 NO. BULK SAMPLES:25

NOTE: LAGGING AND INSULATION IS FRIABLE BUT ENCAPSULATED

COMPARTMENT	NOMENCLATURE	FRIABLE	NON FRIABLE	N/A	NUMBER SPACE DANGER SIGNS	NUMBER SAMPLE SITE DANGER SIGNS	BULK SAMPLE NUMBER	PUMP AND AIR SAMPLE NUMBER
01-100-0-L	C.O. Stateroom		X					
01-100-2-C	Missile Launch Control		X					
01-108-2-L	C.O. Head		X					
01-108-4-L	Passageway		X					
01-111-0-L	Passageway		X					
01-111-2-A	C.O. Storeroom		X					
01-113-0-C	CIC		X					
01-140-0-C	Sonar Control		X					
01-140-1-Q	CIC Admin		X					
01-151-0-Q	Electrical Cooling Equipment Room		X					
01-156-0-C	Radio		X					
01-156-1-C	Transmitter Room		X					
01-180-0-Q	NAV AIR		X					
01-180-1-Q	Fan Room		X					
01-180-4-L	Passageway		X				JS070814001	HV-9 JS070914027
01-193-0-Q	STIR		X					
01-204-2-Q	CMC Office		X					
01-212-0-L	Passageway		X				JS070814002	HV-13 JS070914026
01-212-2-L	Passageway		X					
01-215-2-L	X.O. Stateroom		X					

ASBESTOS SURVEY FORM

EX-HAWES FFG-53

COMPARTMENT	NOMENCLATURE	FRIABLE	NON FRIABLE	N/A	NUMBER SPACE DANGER SIGNS	NUMBER SAMPLE SITE DANGER SIGNS	BULK SAMPLE NUMBER	PUMP AND AIR SAMPLE NUMBER
01-224-2-L	X.O. Head		X					
01-231-0-M	76MM Mag		X					
01-238-2-C	76MM Control Station		X					
01-250-1-Q	1A Intake			X			JS070914022	HV-28 JS070914039
01-250-2-Q	1B Intake			X				
01-278-0-L	Passageway		X					
01-278-1-A	Sonobouy Storeroom #2		X					
01-285-0-Q	Helo Dept Office		X					
01-294-0-Q	Fan Room		X					
01-305-0-M	CIWS Mag		X					
01-308-1-T	CIWS Vestibule		X					
01-317-0-C	CIWS LCS		X					
01-324-0-C	Helo Control		X					
02-100-0-C	Pilot House		X					
02-112-2-L	Passageway		X					
02-116-1-Q	MK-92 Equip. Room		X					
02-116-2-C	Chart Room		X					
02-120-2-L	Head		X					
02-124-2-Q	Fan Room		X					
02-182-0-A	Fueling At Sea Locker		X					
02-282-0-A	FAS Locker			X				
1-100-0-Q	RICER		X					
1-100-1-Q	Fan Room		X					

ASBESTOS SURVEY FORM

EX-HAWES FFG-53

COMPARTMENT	NOMENCLATURE	FRIABLE	NON FRIABLE	N/A	NUMBER SPACE DANGER SIGNS	NUMBER SAMPLE SITE DANGER SIGNS	BULK SAMPLE NUMBER	PUMP AND AIR SAMPLE NUMBER
1-100-2-Q	Fan Room		X					
1-108-2-L	Passageway		X				JS070814003	HV-15 JS070914028
1-132-1-Q	SPS-49 Cooling Room		X					
1-133-2-Q	Foul Weather Gear Locker		X					
1-136-2-Q	Cleaning Gear Locker		X					
1-140-0-L	Officer Stateroom		X					
1-140-1-L	Passageway		X					
1-148-0-L	Passageway		X				JS070814004	HV-28 JS070914029
1-151-1-L	DECON Station/Female Head		X					
1-152-1-Q	Fan Room		X					
1-153-1-L	Officer Head		X					
1-156-2-L	Supply Off SR		X					
1-164-1-L	WRSR		X					
1-164-2-L	Weaps Off SR		X					
1-171-1-L	Eng Off SR		X					
1-172-2-L	Ops Off SR		X					
1-180-0-L	Wardroom		X					
1-198-1-Q	Wardroom Pantry		X					
1-200-2-Q	Fan Room		X				JS070914021	HV-15 JS070914038
1-212-0-L	Passageway		X				JS070814005	HV-19 JS070914043
1-220-0-M	Torpedo Mag		X					
1-220-1-T	Trunk		X					
1-232-1-M	MK-25 Mag		X					

ASBESTOS SURVEY FORM

EX-HAWES FFG-53

COMPARTMENT	NOMENCLATURE	FRIABLE	NON FRIABLE	N/A	NUMBER SPACE DANGER SIGNS	NUMBER SAMPLE SITE DANGER SIGNS	BULK SAMPLE NUMBER	PUMP AND AIR SAMPLE NUMBER
1-236-1-A	HALON Cylinder Storeroom		X					
1-240-1-K	Paint Locker		X					
1-250-1-Q	Fan Room		X					
1-250-2-Q	Fan Room		X					
1-250-3-L	Passageway		X					
1-250-4-L	Passageway		X					
1-253-2-Q	Helo Workshop		X					
1-255-1-M	SUS Mag		X					
1-258-0-Q	Uptake Space			X				
1-258-1-Q	400HZ Room		X					
1-258-3-Q	Battery Charger Room		X					
1-261-1	Plenum Chamber		X					
1-261-2	Plenum Chamber		X					
1-266-2-A	Sonobouy Storeroom #1		X					
1-278-1-Q	Starboard Helo Hanger		X					
1-278-2-Q	Port Helo Hanger		X					
2-Z-0-A	Bos'n Storeroom #1		X					
2-20-0-A	Bos'n Storeroom #2		X					
2-32-0-Q	Windlass Room		X					
2-36-2-T	Escape Trunk			X				
2-40-2-L	Passageway		X					
2-44-2-A	Officer's Baggage Room		X					
2-48-1-A	Armory		X					
2-48-2-A	Electrical Tool Issue		X					

ASBESTOS SURVEY FORM

EX-HAWES FFG-53

COMPARTMENT	NOMENCLATURE	FRIABLE	NON FRIABLE	N/A	NUMBER SPACE DANGER SIGNS	NUMBER SAMPLE SITE DANGER SIGNS	BULK SAMPLE NUMBER	PUMP AND AIR SAMPLE NUMBER
2-55-1-A	Repair #2		X					
2-64-0-L	Passageway		X					
2-79-0-C	CSMC/IC Gyro		X					
2-79-1-A	Athletic Gear Storeroom		X					
2-84-1-T	Trunk		X					
2-92-2-T	Trunk		X					
2-100-01-L	Berthing		X					
2-100-0-L	Lounge		X					
2-100-1-L	Passageway		X					
2-100-4-L	Passageway		X					
2-113-0-L	Head		X					
2-119-1-L	Cleaning Gear Locker		X					
2-140-01-L	Passageway (STBD)		X				JS070814006	HV-20 JS070914033
2-140-01-L	Passageway (PORT)		X				JS070914016	HV-20 JS070914044
2-140-0-Q	Barber Shop		X					
2-140-1-Q	Post Officer		X					
2-140-2-Q	RTGR Pub Vault		X					
2-140-4-Q	Ship's Store		X					
2-152-2-L	Medical		X					
2-168-1-L	CPO Berthing		X					
2-168-2-L	CPO Lounge		X					
2-172-1-L	CPO Head		X					
2-180-0-Q	Galley		X				JS070914024	HV-8 JS070914041
2-180-1-L	Passageway		X					

ASBESTOS SURVEY FORM

EX-HAWES FFG-53

COMPARTMENT	NOMENCLATURE	FRIABLE	NON FRIABLE	N/A	NUMBER SPACE DANGER SIGNS	NUMBER SAMPLE SITE DANGER SIGNS	BULK SAMPLE NUMBER	PUMP AND AIR SAMPLE NUMBER
2-180-2-L	CPO Mess		X					
2-180-4-L	Passageway		X				JS070814007	HV-21 JS070914045 Field blank JS070914045A
2-184-1-L	Cleaning Gear Locker		X					
2-187-2-T	Trunk		X				JS070814009	HV-13 JS071014047
2-203-2-Q	Scullery		X					
2-208-2-T	Trunk		X					
2-209-1-Q	Dumb Waiter		X					
2-212-0-L	Crew's Mess		X				JS070914015	HV-14 JS070914032
2-212-1-L	Passageway		X					
2-212-2-T	Trunk		X					
2-220-1-Q	AFFF Station #1		X					
2-223-1-T	Trunk		X					
2-225-1-A	Repair #5		X				JS070914025	HV-14 JS070914042
2-238-1-Q	Trash Disposal Room		X					
2-244-2-Q	Fan Room		X					
2-245-2-Q	Cleaning Gear Locker		X					
2-250-0-1	Passageway		X					
2-278-2-Q	AFFF Station #2		X					
2-292-01-C	CCS		X					
2-292-0-L	Passageway		X					
2-292-2-Q	General Workshop		X				JS070914013	HV-7 JS070914030
2-301-1-T	Trunk		X					
2-316-2-Q	Electrical Shop		X					
2-325-0-T	Trunk		X					

ASBESTOS SURVEY FORM

EX-HAWES FFG-53

COMPARTMENT	NOMENCLATURE	FRIABLE	NON FRIABLE	N/A	NUMBER SPACE DANGER SIGNS	NUMBER SAMPLE SITE DANGER SIGNS	BULK SAMPLE NUMBER	PUMP AND AIR SAMPLE NUMBER
2-328-0-Q	LAN Storeroom		X					
2-328-0-Q	Ship's Office		X					
2-328-0-Q	COC		X					
2-328-0-Q	LMRC		X					
2-328-0-Q	Disbursing Office		X					
2-328-2-L	Passageway		X					
2-328-4-T	Trunk		X					
2-328-6-Q	Supply Support		X					
2-344-2-A	Repair #3		X					
2-355-2-K	Gas Cylinder Storeroom		X					
2-360-1-C	RAST Control Station		X					
2-363-2-Q	Officer's Laundry		X					
2-368-01-L	Passageway		X					
2-368-1-A	Aviation Storeroom #1		X					
2-368-2-Q	Oil Lab		X					
2-376-2-A	Medical Storeroom #2		X					
2-383-2-J	Helo Refueling Room		X					
2-388-0-E	RAST Machinery Room		X					
2-388-2-Q	TACTAS		X					
2-390-1-A	Aviation Storeroom #2		X					
2-397-1-Q	NIXIE Room #2		X					
2-407-0-A	Aviation Storeroom #3		X					
3-32-1-K	Flammable Liquid Storeroom		X					
3-32-2-A	Security Force Issue Room		X					

ASBESTOS SURVEY FORM

EX-HAWES FFG-53

COMPARTMENT	NOMENCLATURE	FRIABLE	NON FRIABLE	N/A	NUMBER SPACE DANGER SIGNS	NUMBER SAMPLE SITE DANGER SIGNS	BULK SAMPLE NUMBER	PUMP AND AIR SAMPLE NUMBER
3-36-2-T	Trunk		X					
3-40-2-A	CPO Storeroom		X					
3-43-0-L	Passageway		X					
3-46-1-A	CMAA Storeroom		X					
3-48-2-A	Medical Storeroom		X					
3-53-2-A	Small Store Storeroom		X					
3-56-0-A	Cleaning Gear Storeroom		X					
3-59-2-A	MAA Storeroom		X					
3-84-0-E	A/C Machinery Room		X				JS070914020	HV-13 JS070914037
3-93-1-Q	Elec Power Conversion Room		X					
3-140-0-L	Cleaning Gear Locker		X					
3-144-0-L	Berthing		X					
3-144-0-L	Lounge		X					
3-144-0-L	Head		X				JS070914018	HV-19 JS070914035 Field blank JS070914035A
3-154-1-Q	Piping Space		X					
3-156-2-Q	Piping Space		X					
3-180-0-A	Freeze Storeroom		X					
3-180-1-A	Chill Storeroom #1		X					
3-180-2-C	Switchboard #1		X					
3-180-3-A	Chill Storeroom #3		X					
3-180-5-A	Dry Provision Storeroom		X					
3-188-0-L	Passageway		X					
3-196-2-A	Ship's Store Storeroom		X					
3-200-2-E	Elevator Machinery Room		X				JS070914023	HV-7 JS070914040

ASBESTOS SURVEY FORM

EX-HAWES FFG-53

COMPARTMENT	NOMENCLATURE	FRIABLE	NON FRIABLE	N/A	NUMBER SPACE DANGER SIGNS	NUMBER SAMPLE SITE DANGER SIGNS	BULK SAMPLE NUMBER	PUMP AND AIR SAMPLE NUMBER
3-203-0-T	Elevator		X					
3-250-1-T	Trunk		X					
3-250-2-T	Trunk		X					
3-325-0-T	Trunk		X					
3-328-0-A	Supply Storeroom (GSK)		X					
4-32-0-Q	Sonar Equipment Room		X					
4-48-1-Q	Sonar Cooling Equip Room		X				JS070914019	HV-9 JS070914036
4-48-2-L	Passageway		X					
4-56-0-M	Small Arms Mag		X					
4-56-2-A	Deck Gear Storeroom		X					
4-64-0-Q	Mag Service Room		X					
4-100-0-E	APU Machinery Room		X					
4-140-0-Q	Laundry		X				JS070914017	HV-21 JS070914034
4-140-2-A	Laundry Storeroom #2		X					
4-140-3-A	Laundry Storeroom #1		X					
4-144-1-T	Cleaning Gear Locker		X					
4-152-1-A	Chemical Warfare Storeroom		X					
4-160-0-Q	CHT Pump Room		X					
4-172-1-E	Fire Pump Room		X					
4-208-2-T	Trunk			X				
5-51-0-Q	Eductor Room		X					
5-180-0-E	Aux Machinery Room #1		X				JS070814008	HV-9 JS070914046
5-212-0-E	Aux Machinery Room #2		X				JS070814010	HV-19 JS071014048
5-250-0-E	Main Engine Room U/L		X				JS070814011	HV-20 JS071014049

ASBESTOS SURVEY FORM

COMPARTMENT	NOMENCLATURE	FRIABLE	NON FRIABLE	N/A	NUMBER SPACE DANGER SIGNS	NUMBER SAMPLE SITE DANGER SIGNS	BULK SAMPLE NUMBER	PUMP AND AIR SAMPLE NUMBER
5-250-0-E	Main Engine Room L/L		X				JS070814012	HV-21 JS071014050 Field blank JS071014050A
5-292-0-E	Aux Machinery Room #3		X				JS070914014	HV-8 JS070914031
5-368-01-E	After Steering		X					
5-370-1-A	E-Division Storage Cage		X					
5-376-1-A	MP Division Storage Cage		X					
5-376-2-A	MP Division Issue		X					
5-390-1-A	Secondary Issue		X					
5-392-1-A	Storage Cage		X					

ASBESTOS SURVEY FORM

HULL NO: FFG-53 NAME: EX-HAWES DATE: 7/10/14

STATUS: DISPOSAL CUSTODIAN: NISMO BERTHED: INACT SHIPS PHILA

NO. REPAIRS: 0 NO. SPACE DANGER SIGNS: 0

NO. SAMPLE LOCATION DANGER SIGNS: 0

NO. AIR SAMPLES: 25 NO. BULK SAMPLES: 25

NOTE: LAGGING AND INSULATION IS FRIABLE BUT ENCAPSULATED

COMPARTMENT	NOMENCLATURE	FRIABLE	NON FRIABLE	N/A	NUMBER SPACE DANGER SIGNS	NUMBER SAMPLE SITE DANGER SIGNS	BULK SAMPLE NUMBER	PUMP AND AIR SAMPLE NUMBER
01-100-0-L	C.O. Stateroom	X	X					
01-100-2-C	Missile Launch Control	X	X					
01-108-2-L	C.O. Head	X	X					
01-108-4-L	Passageway	X	X					
01-111-0-L	Passageway	X	X					
01-111-2-A	C.O. Storeroom	X	X					
01-113-0-C	CIC	X	X					
01-140-0-C	Sonar Control	X	X					
01-140-1-Q	CIC Admin	X	X					
01-151-0-Q	Electrical Cooling Equipment Room	X	X					
01-156-0-C	Radio	X	X					
01-156-1-C	Transmitter Room	X	X					
01-180-0-Q	NAV AIR	X	X					
01-180-1-Q	Fan Room	X	X					
01-180-4-L	Passageway	X	X				JS070814001	HV-9 JS070914027
01-193-0-Q	STIR	X	X					
01-204-2-Q	CMC Office	X	X					
01-212-0-L	Passageway	X	X				JS070814002	HV-13 JS070914026
01-212-2-L	Passageway	X	X					
01-215-2-L	X.O. Stateroom	X	X					

OrderID: 041420181

041420181

EMSL ANALYTICAL INC.
CHAIN OF CUSTODY RECORD

Client:
Global Associates - NISMF
Building #545 Navy Yard
Philadelphia, PA 19112-5095

Point of Contact
James Sirles
Phone Number:
(215) 897-6745

Project I.D.
ex-HAWES (FFG 53)

TDL NO. **146-0203**
(PRE/POST Asbestos Survey)

P.O. Number: **PHL14-0371**

Date & Time Results Required
1-WEEK TURN

Special Instructions / Comments:
FAX (215) 897-6297

PAGE 1 OF 2

Field Sample No.	Analyze	Sample Type	Analysis Requested	Description
JS070814001	ASB	BULK	PLM	01-180-4-L PASSAGEWAY
JS070814002	ASB	BULK	PLM	01-212-0-L PASSAGEWAY
JS070814003	ASB	BULK	PLM	1-108-2-L PASSAGEWAY
JS070814004	ASB	BULK	PLM	1-148-0-L PASSAGEWAY
JS070814005	ASB	BULK	PLM	1-212-0-L PASSAGEWAY
JS070814006	ASB	BULK	PLM	2-140-01-L PASSAGEWAY (STBD)
JS070814007	ASB	BULK	PLM	2-180-4-L PASSAGEWAY
JS070814008	ASB	BULK	PLM	5-180-0-E AUX MACHINERY ROOM # 1
JS070814009	ASB	BULK	PLM	2-187-2-T TRUNK
JS070814010	ASB	BULK	PLM	5-212-0-E AUX MACHINERY ROOM # 2
JS070814011	ASB	BULK	PLM	5-250-0-E MAIN ENGINE ROOM U/L
JS070814012	ASB	BULK	PLM	5-250-0-E MAIN ENGINE ROOM L/L
JS070914013	ASB	BULK	PLM	2-292-2-Q GENERAL WORKSHOP
JS070914014	ASB	BULK	PLM	5-292-0-E AUX MACHINERY ROOM # 3
JS070914015	ASB	BULK	PLM	2-212-0-L CREW'S MESS
JS070914016	ASB	BULK	PLM	2-140-01-L PASSAGEWAY (PORT)
JS070914017	ASB	BULK	PLM	4-140-0-Q LAUNDRY
JS070914018	ASB	BULK	PLM	3-144-0-L HEAD
JS070914019	ASB	BULK	PLM	4-48-1-Q SONAR COOLING EQUIP ROOM
JS070914020	ASB	BULK	PLM	3-84-0-E A/C MACHINERY ROOM
JS070914021	ASB	BULK	PLM	1-200-2-Q FAN ROOM
JS070914022	ASB	BULK	PLM	01-250-1-Q 1A INTAKE
JS070914023	ASB	BULK	PLM	3-200-2-E ELEVATOR MACHINERY ROOM
JS070914024	ASB	BULK	PLM	2-180-0-Q GALLEY

Collected by:
J. King /G. Goins

Received by/Chain of Custody Initiated by: JAS
Date/Time: 7-10-14

Relinquished by: JAMES SIRLES
Date 7/15/14 Time 1114
Received by: Dave

Submitted to Lab by: PICK – UP
Date 7-15-14 Time 12:05 pm
Received at Lab by: AK courier 7/15/14 1205

Pre-Logged by:
Prepared by:
Analyzed by:

Data Validated by:
Rush Report by:
Date/Time
Posted-Logged by:

Data Processed by:
Report Reviewed by:
Report Approved by:

25 AK OB

OrderID: 041420181

041420181

EMSL ANALYTICAL INC.
CHAIN OF CUSTODY RECORD

Client:
Global Associates - NISMF
Building #545 Navy Yard
Philadelphia, PA 19112-5095

Point of Contact
James Sirles
Phone Number:
(215) 897-6745

Project I.D. **EX-HAWES (FFG 53)** TDL NO. **146-0203** **(PRE/POST Asbestos Survey)** P .O. Number: **PHL14-0371**

Date & Time Results Required **1 WEEK TURN**

Special Instructions / Comments: **FAX (215) 897-6297**

PAGE 2 OF 2

Field Sample No.	Analyze	Sample Type	Analysis Requested	Description
JS070914025	ASB	BULK	PLM	2-225-1-A REPAIR #5
	ASB	BULK	PLM	
	ASB	BULK	PLM	
	ASB	BULK	PLM	
	ASB	BULK	PLM	
	ASB	BULK	PLM	
	ASB	BULK	PLM	
	ASB	BULK	PLM	
	ASB	BULK	PLM	
	ASB	BULK	PLM	
	ASB	BULK	PLM	
	ASB	BULK	PLM	
	ASB	BULK	PLM	
	ASB	BULK	PLM	
	ASB	BULK	PLM	
	ASB	BULK	PLM	
	ASB	BULK	PLM	
	ASB	BULK	PLM	
	ASB	BULK	PLM	
	ASB	BULK	PLM	
	ASB	BULK	PLM	
	ASB	BULK	PLM	
	ASB	BULK	PLM	
	ASB	BULK	PLM	

RECEIVED
CHAIN OF CUSTODY
2014 JUL 15 P 12:21

Collected by: J. King /G. Goins

Received by/Chain of Custody Initiated by:JAS

Date/Time: 7-10-14

Relinquished by:	Date	Time	Received by:
JAMES SIRLES	7/15/14	11/4	

Submitted to Lab by:	Date	Time	Received at Lab by:
PICK – UP	7-15-14	12:05 PM	

Pre-Logged by: Prepared by: Analyzed by:

Data Validated by: Rush Report by: Date/Time Posted-Logged by:

Data Processed by: Report Reviewed by: Report Approved by:

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EMSL Order:	041420181
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Attn: **Jim Sirles**
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Fax:	(215) 897-6297
Received:	07/16/14 12:05 PM
Analysis Date:	7/17/2014
Collected:	7/10/2014

Project: **146-0203 / EX-HAWES (FFG 53)**

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos %	Fibrous	Non-Asbestos %	Non-Fibrous	Asbestos % Type
JS070814001-Wrap *041420181-0001*	- 01-180-4-L Passageway	White Fibrous Homogeneous	30% 30%	Cellulose Glass	40%	Non-fibrous (other)	**None Detected**
JS070814001-Insulation *041420181-0001A*	- 01-180-4-L Passageway	Yellow Fibrous Homogeneous	90%	Glass	10%	Non-fibrous (other)	**None Detected**
JS070814002-Wrap *041420181-0002*	- 01-212-0-L Passageway	White Fibrous Homogeneous	30% 30%	Cellulose Glass	40%	Non-fibrous (other)	**None Detected**
JS070814002-Insulation *041420181-0002A*	- 01-212-0-L Passageway	Yellow Fibrous Homogeneous	90%	Glass	10%	Non-fibrous (other)	**None Detected**
JS070814003 *041420181-0003*	- 1-108-2-L Passageway	White Fibrous Homogeneous	90%	Glass	10%	Non-fibrous (other)	**None Detected**
JS070814004-Wrap *041420181-0004*	- 1-148-0-L Passageway	White/Black Fibrous Homogeneous	40%	Glass	60%	Non-fibrous (other)	**None Detected**
JS070814004-Insulation *041420181-0004A*	- 1-148-0-L Passageway	White Fibrous Homogeneous	90%	Glass	10%	Non-fibrous (other)	**None Detected**
JS070814005-Wrap *041420181-0005*	- 1-212-0-L Passageway	White Fibrous Homogeneous	40%	Glass	60%	Non-fibrous (other)	**None Detected**

Analyst(s)

Amy Johnson (12)
Jillian Yurick (36)

Stephen Siegel, CIH, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367

Report Amended: 07/18/2014 14:49:29 Replaces the Inital Report 07/17/2014 12:49:12. Reason Code: Data Entry-Change to Appearance

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Received:	07/16/14 12:05 PM
Analysis Date:	7/17/2014
Collected:	7/10/2014

Project: **146-0203 / EX-HAWES (FFG 53)**

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos				Asbestos
Sample	Description	Appearance	%	Fibrous	%	Non-Fibrous	% Type
JS070814005-Insulation *041420181-0005A*	- 1-212-0-L Passageway	White Fibrous Homogeneous	90%	Glass	10%	Non-fibrous (other)	**None Detected**
JS070814006-Wrap *041420181-0006*	- 2-140-01-L (STBD) Passageway	White Fibrous Homogeneous	40%	Glass	60%	Non-fibrous (other)	**None Detected**
JS070814006-Insulation *041420181-0006A*	- 2-140-01-L (STBD) Passageway	Gray Fibrous Homogeneous	15% 30%	Cellulose Min. Wool	55%	Non-fibrous (other)	**None Detected**
JS070814007-Wrap *041420181-0007*	- 2-180-4-L Passageway	White Fibrous Homogeneous	40%	Glass	60%	Non-fibrous (other)	**None Detected**
JS070814007-Insulation *041420181-0007A*	- 2-180-4-L Passageway	White Fibrous Homogeneous	90%	Glass	10%	Non-fibrous (other)	**None Detected**
JS070814008-Wrap *041420181-0008*	- 5-180-0-E AUX Machinery room #1	White Fibrous Homogeneous	20% 30%	Cellulose Glass	50%	Non-fibrous (other)	**None Detected**
JS070814008-Insulation *041420181-0008A*	- 5-180-0-E AUX Machinery room #1	Yellow Fibrous Homogeneous	90%	Glass	10%	Non-fibrous (other)	**None Detected**
JS070814009-Wrap *041420181-0009*	- 2-187-2-T Trunk	White Fibrous Homogeneous	40%	Glass	60%	Non-fibrous (other)	**None Detected**

Analyst(s)

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Analysis Date:	7/17/2014
Collected:	7/10/2014

Project: 146-0203 / EX-HAWES (FFG 53)

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos				Asbestos
Sample	Description	Appearance	%	Fibrous	%	Non-Fibrous	% Type
JS070814009-Insulation *041420181-0009A*	- 2-187-2-T Trunk	White Fibrous Homogeneous	10% 15%	Synthetic Glass	75%	Non-fibrous (other)	**None Detected**
JS070814010 *041420181-0010*	- 5-212-0-E AUX Machinery room #2	Tan/White Fibrous Homogeneous	20%	Glass	80%	Non-fibrous (other)	**None Detected**
JS070814011-Wrap *041420181-0011*	- 5-250-0-E Main Engine Room	White Fibrous Homogeneous	40%	Glass	60%	Non-fibrous (other)	**None Detected**
JS070814011-Insulation *041420181-0011A*	- 5-250-0-E Main Engine Room	Gray/White Fibrous Homogeneous	5% 20%	Synthetic Min. Wool	75%	Non-fibrous (other)	**None Detected**
JS070814012-Wrap *041420181-0012*	- 5-250-0-E Main Engine Room	White Fibrous Homogeneous	15% 20%	Cellulose Glass	65%	Non-fibrous (other)	**None Detected**
JS070814012-Insulation *041420181-0012A*	- 5-250-0-E Main Engine Room	Yellow Fibrous Homogeneous	90%	Glass	10%	Non-fibrous (other)	**None Detected**
JS070914013-Wrap *041420181-0013*	- 2-292-2-Q General Workshop	White Fibrous Homogeneous	40%	Glass	60%	Non-fibrous (other)	**None Detected**
JS070914013-Insulation *041420181-0013A*	- 2-292-2-Q General Workshop	White Fibrous Homogeneous	20% 15%	Cellulose Glass	65%	Non-fibrous (other)	**None Detected**

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Received:	07/16/14 12:05 PM
Analysis Date:	7/17/2014
Collected:	7/10/2014

Project: **146-0203 / EX-HAWES (FFG 53)**

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos				Asbestos
Sample	Description	Appearance	%	Fibrous	%	Non-Fibrous	% Type
JS070914014-Wrap *041420181-0014*	- 5-292-0-E AUX Machinery room #3	White Fibrous Homogeneous	20% 30%	Cellulose Glass	50%	Non-fibrous (other)	**None Detected**
JS070914014-Insulation *041420181-0014A*	- 5-292-0-E AUX Machinery room #3	Yellow Fibrous Homogeneous	90%	Glass	10%	Non-fibrous (other)	**None Detected**
JS070914015-Wrap *041420181-0015*	- 2-212-0-L Crew's Mess	White Fibrous Homogeneous	20% 30%	Cellulose Glass	50%	Non-fibrous (other)	**None Detected**
JS070914015-Insulation *041420181-0015A*	- 2-212-0-L Crew's Mess	Yellow Fibrous Homogeneous	90%	Glass	10%	Non-fibrous (other)	**None Detected**
JS070914016-Wrap *041420181-0016*	- 2-140-01-L Passageway (Port)	White Fibrous Homogeneous	40%	Glass	60%	Non-fibrous (other)	**None Detected**
JS070914016-Insulation *041420181-0016A*	- 2-140-01-L Passageway (Port)	White Fibrous Homogeneous	20% 10%	Cellulose Glass	70%	Non-fibrous (other)	**None Detected**
JS070914017-Wrap *041420181-0017*	- 4-140-0-Q Laundry	White Fibrous Homogeneous	50%	Glass	50%	Non-fibrous (other)	**None Detected**
JS070914017-Insulation *041420181-0017A*	- 4-140-0-Q Laundry	White Fibrous Homogeneous	90%	Glass	10%	Non-fibrous (other)	**None Detected**

Analyst(s)

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Project: **146-0203 / EX-HAWES (FFG 53)**

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos				Asbestos
Sample	Description	Appearance	%	Fibrous	%	Non-Fibrous	% Type
JS070914018-Wrap *041420181-0018*	- 3-144-0-L Head	White Fibrous Homogeneous	25% 30%	Cellulose Glass	45%	Non-fibrous (other)	**None Detected**
JS070914018-Insulation *041420181-0018A*	- 3-144-0-L Head	Yellow Fibrous Homogeneous	90%	Glass	10%	Non-fibrous (other)	**None Detected**
JS070914019-Wrap *041420181-0019*	- 4-48-1-Q Sonar Cooling Equip Room	White Fibrous Homogeneous	50%	Glass	50%	Non-fibrous (other)	**None Detected**
JS070914019-Insulation *041420181-0019A*	- 4-48-1-Q Sonar Cooling Equip Room	White Fibrous Homogeneous	90%	Glass	10%	Non-fibrous (other)	**None Detected**
JS070914020-Wrap *041420181-0020*	- 3-84-0-E A/C Machinery Room	Gray Fibrous Homogeneous	40%	Glass	60%	Non-fibrous (other)	**None Detected**
JS070914020-Insulation *041420181-0020A*	- 3-84-0-E A/C Machinery Room	White Fibrous Homogeneous	90%	Glass	10%	Non-fibrous (other)	**None Detected**
JS070914021-Wrap *041420181-0021*	- 1-200-2-Q Fan Room	Gray Fibrous Homogeneous	40%	Glass	60%	Non-fibrous (other)	**None Detected**
JS070914021-Insulation *041420181-0021A*	- 1-200-2-Q Fan Room	White Fibrous Homogeneous	90%	Glass	10%	Non-fibrous (other)	**None Detected**

Analyst(s)

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Project: **146-0203 / EX-HAWES (FFG 53)**

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos				Asbestos
Sample	Description	Appearance	%	Fibrous	%	Non-Fibrous	% Type
JS070914022-Wrap *041420181-0022*	- 01-250-1-Q 1A Intake	White Fibrous Homogeneous	40%	Glass	60%	Non-fibrous (other)	**None Detected**
JS070914022-Insulation *041420181-0022A*	- 01-250-1-Q 1A Intake	Gray/White Fibrous Homogeneous	15% 10% 20%	Cellulose Glass Min. Wool	55%	Non-fibrous (other)	**None Detected**
JS070914023-Wrap *041420181-0023*	- 3-200-2-E Elevator Machinery Room	White Fibrous Homogeneous	40%	Glass	60%	Non-fibrous (other)	**None Detected**
JS070914023-Insulation *041420181-0023A*	- 3-200-2-E Elevator Machinery Room	White Fibrous Homogeneous	10% 10% 15%	Cellulose Glass Min. Wool	65%	Non-fibrous (other)	**None Detected**
JS070914024-Wrap *041420181-0024*	- 2-180-0-Q Galley	Gray Fibrous Homogeneous	50%	Glass	50%	Non-fibrous (other)	**None Detected**
JS070914024-Insulation *041420181-0024A*	- 2-180-0-Q Galley	White Fibrous Homogeneous	90%	Glass	10%	Non-fibrous (other)	**None Detected**
JS070914025-Wrap *041420181-0025*	- 2-225-1A Repair #5	White Fibrous Homogeneous	40%	Glass	60%	Non-fibrous (other)	**None Detected**
JS070914025-Insulation *041420181-0025A*	- 2-225-1A Repair #5	White Fibrous Homogeneous	90%	Glass	10%	Non-fibrous (other)	**None Detected**

Analyst(s)

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Stephen Siegel, CIH, Laboratory Manager
or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367

Report Amended: 07/18/2014 14:49:29 Replaces the Inital Report 07/17/2014 12:49:12. Reason Code: Data Entry-Change to Appearance

THIS IS THE LAST PAGE OF THE REPORT.

OrderID: 041420097

041420097

EMSL ANALYTICAL INC.
CHAIN OF CUSTODY RECORD

Client:
Global - NISMO
Building #545 Navy Yard
Philadelphia, PA 19112-5095

Point of Contact
James Sirles
Phone Number:
(215) 897-6745

Project I.D.
EX- HAWES (FFG 53)

TDL NO. **146-0203**
(PRE/POST Asbestos Survey)

P.O. Number: **PHL14-0371**

Date & Time Results Required
1-week turn

Special Instructions / Comments:
FAX (215) 897-6297

PAGE 1 OF 2

Field Sample No.	Analyze	Sample Type	Analysis Requested	Description
JS070914026	ASB	AIR	PCM	01-212-0-L PASSAGEWAY
JS070914027	ASB	AIR	PCM	01-180-4-L PASSAGEWAY
JS070914028	ASB	AIR	PCM	1-108-2-L PASSAGEWAY
JS070914029	ASB	AIR	PCM	1-148-0-L PASSAGEWAY
JS070914030	ASB	AIR	PCM	2-292-2-Q GENERAL WORKSHOP
JS070914031	ASB	AIR	PCM	5-292-0-E AUX MACHINERY ROOM # 3
JS070914032	ASB	AIR	PCM	2-212-0-L CREW'S MESS
JS070914033	ASB	AIR	PCM	2-140-01-L PASSAGEWAY (STBD)
JS070914034	ASB	AIR	PCM	4-140-0-Q LAUNDRY
JS070914035	ASB	AIR	PCM	3-144-0-L HEAD
JS070914036	ASB	AIR	PCM	4-48-1-Q SONAR COOLING EQUIP ROOM
JS070914037	ASB	AIR	PCM	3-84-0-E A/C MACHINERY ROOM
JS070914038	ASB	AIR	PCM	1-200-2-Q FAN ROOM
JS070914039	ASB	AIR	PCM	01-250-1-Q 1A INTAKE
JS070914040	ASB	AIR	PCM	3-200-2-E ELEVATOR MACHINERY ROOM
JS070914041	ASB	AIR	PCM	2-180-0-Q GALLEY
JS070914042	ASB	AIR	PCM	2-225-1-A REPAIR #5
JS070914043	ASB	AIR	PCM	1-212-0-L PASSAGEWAY
JS070914044	ASB	AIR	PCM	2-140-01-L PASSAGEWAY (PORT)
JS070914045	ASB	AIR	PCM	2-180-4-L PASSAGEWAY
JS070914046	ASB	AIR	PCM	5-180-0-E AUX MACHINERY ROOM # 1
JS071014047	ASB	AIR	PCM	2-187-2-T TRUNK
JS071014048	ASB	AIR	PCM	5-212-0-E AUX MACHINERY ROOM # 2
JS071014049	ASB	AIR	PCM	5-250-0-E MAIN ENGINE ROOM U/L

Collected by:
J. King /G. Goins

Received by/Chain of Custody Initiated by:jas

Date/Time:5-1-14

Relinquished by:	Date	Time	Received by:
JAMES SIRLES	7/15/14	11:14	[illegible]

Submitted to Lab by:	Date	Time	Received at Lab by:
PICK – UP	7-15-14	12:05PM	AK courier 7/15/14 1205

Pre-Logged by: Prepared by: Analyzed by:

Data Validated by: Rush Report by: Date/Time Posted-Logged by:

Data Processed by: Report Reviewed by: Report Approved by:

28 AK

OrderID: 041420097

EMSL ANALYTICAL INC.
CHAIN OF CUSTODY RECORD

041420097

Client:
Global Associates - NISMF
Building #545 Navy Yard
Philadelphia, PA 19112-5095

Point of Contact
James Sirles
Phone Number:
(215) 897-6297

Project I.D. **EX- HAWES (FFG-53)** TDL NO. 146-0203 **(PRE/POST Asbestos Survey)** P.O. Number: **PHL14-0371**

Date & Time Results Required **1 WEEK TURN**

Special Instructions / Comments: **FAX (215) 897-5625**

Field Sample No.	Analyze	Sample Type	Analysis Requested	Description
JS071014050	ASB	AIR	PCM	5-250-0-E MAIN ENGINE ROOM L/L
~~JS071014035A~~ JS070914035A	ASB	AIR	PCM	FIELD BLANK 3-144-0-L HEAD
JS070914045A	ASB	AIR	PCM	FIELD BLANK 2-180-4-L PASSAGEWAY
JS071014050A	ASB	AIR	PCM	FIELD BLANK 5-250-0-E MAIN ENGINE ROOM L/L
	ASB	AIR	PCM	
	ASB	AIR	PCM	
	ASB	AIR	PCM	
	ASB	AIR	PCM	
	ASB	AIR	PCM	
	ASB	AIR	PCM	
	ASB	AIR	PCM	
	ASB	AIR	PCM	
	ASB	AIR	PCM	
	ASB	AIR	PCM	
	ASB	AIR	PCM	
	ASB	AIR	PCM	
	ASB	AIR	PCM	
	ASB	AIR	PCM	
	ASB	AIR	PCM	
	ASB	AIR	PCM	
	ASB	AIR	PCM	
	ASB	AIR	PCM	
	ASB	AIR	PCM	
	ASB	AIR	PCM	
	ASB	AIR	PCM	

2014 JUL 15 P 12:15

Collected by: J. King /G. Goins

Received by/Chain of Custody Initiated by:JAS

Date/Time: 7-10-14

Relinquished by:	Date	Time	Received by:
JAMES SIRLES	7/15/14	1114	

Submitted to Lab by:	Date	Time	Received at Lab by:
PICK – UP	7-15-14	12:05 PM	

Pre-Logged by: Prepared by: Analyzed by:

Data Validated by: Rush Report by: Date/Time Posted-Logged by:

Data Processed by: Report Reviewed by: Report Approved by:

041420097

ASBESTOS SURVEY FORM

SHIP: Ex HAWES FFG-53 DATE: 7/9/14

PUMP #: HV-13 SAMPLE #: JS070914026

AREA: 01-212-0-L Passageway

START TIME: 0753

STOP TIME: 0953

FLOW RATE: 12.41

TOTAL VOLUME: 1489.20

PUMP #: HV-9 SAMPLE #: JS070914027

AREA: 01-180-4-L Passageway

START TIME: 0745

STOP TIME: 0945

FLOW RATE: 14.21

TOTAL VOLUME: 1705.20

PUMP #: HV-15 SAMPLE #: JS070914028

AREA: 1-103-2-L Passageway

START TIME: 0805

STOP TIME: 1005

FLOW RATE: 15.56

TOTAL VOLUME: 1867.20

PUMP #: HV-28 SAMPLE #: JS070914029

AREA: 1-148-0-L Passageway

START TIME: 0812

STOP TIME: 1012

FLOW RATE: 11.82

TOTAL VOLUME: 1418.40

2014 JUL 15 P 12:01

R. Dorton / J. King
PERSON CONDUCTING SURVEY

Enclosure (1)
Page 2 of 3

041420097

ASBESTOS SURVEY FORM

SHIP: EX HAWES FFG-53

DATE: 7/9/14

PUMP #: HV-7

SAMPLE #: JS 070914030

AREA: 2-292-2-Q General Workshop

START TIME: 0823

STOP TIME: 1023

FLOW RATE: 11.29

TOTAL VOLUME: 1354.80

PUMP #: HV-8

SAMPLE #: JS070914031

AREA: 5-292-0-E Aux Machinery Room #3

START TIME: 0750

STOP TIME: 0950

FLOW RATE: 12.44

TOTAL VOLUME: 1492.80

PUMP #: HV-14

SAMPLE #: JS070914032

AREA: 2-212-0-L CREW'S MESS

START TIME: 0755

STOP TIME: 0955

FLOW RATE: 11.59

TOTAL VOLUME: 1390.80

PUMP #: HV-20

SAMPLE #: JS070914033

AREA: 2-140-01-L Passageway (STBD)

START TIME: 0800

STOP TIME: 1000

FLOW RATE: 5.15

TOTAL VOLUME: 618.60

R. Dorton / J. King

PERSON CONDUCTING SURVEY

2014 JUL 15 P 12:15

Enclosure (1)
Page 2 of 3

041420097

ASBESTOS SURVEY FORM

SHIP: EX HAWES FFG-53

DATE: 7/9/14

PUMP #: HV-21

SAMPLE #: JS 070914 034

AREA: 4-140-0-Q Laundry

START TIME: 0805

STOP TIME: 1005

FLOW RATE: 12.25

TOTAL VOLUME: 1470.00

PUMP #: HV-19

SAMPLE #: JS070914035

AREA: 3-144-0-L HEAD

START TIME: 0810

STOP TIME: 1010

FLOW RATE: 11.61

TOTAL VOLUME: 1393.20

PUMP #: Field BLANK

SAMPLE #: JS070914035A

AREA: 3-144-0-L HEAD

START TIME:

STOP TIME:

FLOW RATE:

TOTAL VOLUME:

PUMP #: HV-9

SAMPLE #: JS070914036

AREA: 4-48-1-Q Sonar Cooling Equip Room

START TIME: 1230

STOP TIME: 1430

FLOW RATE: 14.21

TOTAL VOLUME: 1705.20

R. Dorton / J. King
PERSON CONDUCTING SURVEY

2014 JUL 15 P 12:

Enclosure (1)
Page 2 of 3

041420097

ASBESTOS SURVEY FORM

SHIP: EX-HAWES FFG-53 DATE: 7/9/14

PUMP #: HV-13 SAMPLE #: JS070914037

AREA: 3-84-0-E A/C MACHINERY Room

START TIME: 1235

STOP TIME: 1435

FLOW RATE: 12.41

TOTAL VOLUME: 1489.20

PUMP #: HV-15 SAMPLE #: JS070914038

AREA: 1-200-2-Q FAN Room

START TIME: 1242

STOP TIME: 1442

FLOW RATE: 15.56

TOTAL VOLUME: 1867.20

PUMP #: HV-28 SAMPLE #: JS070914039

AREA: 01-250-1-Q 1A INTAKE

START TIME: 1251

STOP TIME: 1451

FLOW RATE: 11.82

TOTAL VOLUME: 1418.40

PUMP #: HV-7 SAMPLE #: JS070914040

AREA: 3-200-2-E ELEVATOR MACHINERY Room

START TIME: 1307

STOP TIME: 1507

FLOW RATE: 11.29

TOTAL VOLUME: 1354.80

2014 JUL 15 P 12:16

R. DONTON / J. King
PERSON CONDUCTING SURVEY

Enclosure (1)
Page 2 of 3

041420097

ASBESTOS SURVEY FORM

SHIP: EX HAWES FFG-53

DATE: 7/9/14

PUMP #: HV-8

SAMPLE #: JS070914041

AREA: 2-180-0-Q GALLEY

START TIME: 1225

STOP TIME: 1425

FLOW RATE: 12.44

TOTAL VOLUME: 1492.80

PUMP #: HV-14

SAMPLE #: JS070914042

AREA: 2-225-1-A REPAIR #5

START TIME: 1230

STOP TIME: 1430

FLOW RATE: 11.59

TOTAL VOLUME: 1390.80

PUMP #: HV-19

SAMPLE #: JS070914043

AREA: 1-212-0-L Passageway

START TIME: 1233

STOP TIME: 1433

FLOW RATE: 11.16

TOTAL VOLUME: 1393.20

PUMP #: HV-20

SAMPLE #: JS070914044

AREA: 2-140-01-L Passageway (PORT)

START TIME: 1235

STOP TIME: 1435

FLOW RATE: 5.15

TOTAL VOLUME: 618.60

2014 JUL 15 P 12:16

R. Dorton / J. King

PERSON CONDUCTING SURVEY

Enclosure (1)
Page 2 of 3

041420097

ASBESTOS SURVEY FORM

SHIP: EX-HAWES FFG-53 DATE: 7/9/14

PUMP #: HV-21 SAMPLE #: JS070914045

AREA: 2-180-4-L Passageway

START TIME: 1240

STOP TIME: 1440

FLOW RATE: 12.25

TOTAL VOLUME: 1470.00

PUMP #: Field Blank SAMPLE #: JS070914045A

AREA: 2-180-4-L Passageway

START TIME:

STOP TIME:

FLOW RATE:

TOTAL VOLUME:

PUMP #: HV-9 SAMPLE #: JS070914046

AREA: 5-180-0-E Aux Machinery Room #1

START TIME: 0800

STOP TIME: 1000

FLOW RATE: 14.21

TOTAL VOLUME: 1705.20

PUMP #: HV-13 SAMPLE #: JS071014047

AREA: 2-187-2-T TRUNK

START TIME: 0805

STOP TIME: 1005

FLOW RATE: 12.41

TOTAL VOLUME: 1489.20

R. Dorton / J. King
PERSON CONDUCTING SURVEY

2014 JUL 15 P 12:16

Enclosure (1)
Page 2 of 3

041420097

ASBESTOS SURVEY FORM

SHIP: Ex HAWES FFG-53

DATE: 7/10/14

PUMP #: HV-19

SAMPLE #: JS071014048

AREA: 5-212-0-E Aux Machinery Room #2

START TIME: 0810

STOP TIME: 1010

FLOW RATE: 11.61

TOTAL VOLUME: 1393.20

PUMP #: HV-20

SAMPLE #: JS071014049

AREA: 5-250-0-E MAIN ENGINE ROOM U/L

START TIME: 0815

STOP TIME: 1015

FLOW RATE: 5.15

TOTAL VOLUME: 618.60

PUMP #: HV-21

SAMPLE #: JS071014050

AREA: 5-250-0-E MAIN ENGINE ROOM L/L

START TIME: 0817

STOP TIME: 1017

FLOW RATE: 12.25

TOTAL VOLUME: 1470.00

PUMP #: FIELD BLANK

SAMPLE #: JS071014050A

AREA: 5-250-0-E MAIN ENGINE ROOM L/L

START TIME:

STOP TIME:

FLOW RATE:

TOTAL VOLUME:

2014 JUL 15 P 12:16

R. Dorton / J. King

PERSON CONDUCTING SURVEY

Enclosure (1)
Page 2 of 3

EMSL Analytical, Inc.
200 Route 130 North, Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 / (856) 786-5974
http://www.EMSL.com cinnasblab@EMSL.com

EMSL Order:	041420097
CustomerID:	GLOB50
CustomerPO:	PHIL14-0371
ProjectID:	

Attn: **Jim Sirles**
Global Associates
Naval Business Center
4701 S. 16th Street, Bldg. 545
Philadelphia, PA 19112-5095

Phone:	(215) 897-2097
Fax:	(215) 897-6297
Received:	07/15/14 12:04 PM
Analysis Date:	7/16/2014
Collected:	7/9/2014

Project: **EX-HAWES (FFG 53) / 146-0203**

Test Report: Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method, Revision 3, Issue 2, 8/15/94*

Sample	*Location*	*Sample Date*	*Volume (liters)*	*Fibers*	*Fields*	*LOD (fib/cc)*	*Fibers/ mm²*	*Fibers/ cc*	*Notes*
JS070914026 *041420097-0001*	01-212-0-L Passageway	7/9/2014	1489.20	<5.5	100	0.002	<7.01	<0.002	
JS070914027 *041420097-0002*	01-180-4-L Passageway	7/9/2014	1705.20	<5.5	100	0.002	<7.01	<0.002	
JS070914028 *041420097-0003*	1-108-2-L Passageway	7/9/2014	1867.20	<5.5	100	0.001	<7.01	<0.001	
JS070914029 *041420097-0004*	1-148-0-L Passageway	7/9/2014	1418.40	<5.5	100	0.002	<7.01	<0.002	
JS070914030 *041420097-0005*	2-292-2-Q General Workshop	7/9/2014	1354.80	<5.5	100	0.002	<7.01	<0.002	
JS070914031 *041420097-0006*	5-292-0-E Aux Machinery Room #3	7/9/2014	1492.80	11.3	100	0.002	14.4	0.004	
JS070914032 *041420097-0007*	2-212-0-L Crew's Mess	7/9/2014	1390.80	<5.5	100	0.002	<7.01	<0.002	
JS070914033 *041420097-0008*	2-140-01-L Passageway (STBD)	7/9/2014	618.60	6.3	100	0.004	8.03	0.005	
JS070914034 *041420097-0009*	4-140-0-Q Laundry	7/9/2014	1470.00	14.3	100	0.002	18.2	0.005	
JS070914035 *041420097-0010*	3-144-0-L Head	7/9/2014	1393.20	<5.5	100	0.002	<7.01	<0.002	

Analyst(s)
Susan Muir (28)

Stephen Siegel, CIH, Laboratory Manager
or other approved signatory

Limit of detection is 7 fibers/mm². Intra-laboratory Sr values: 5-20 fibers = 0.31, 21-50 fibers = 0.30, 51-100 fibers = 0.25. Inter-laboratory Sr values (Average of EMSL round robin data) = 0.29. EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. EMSL is not responsible for data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. Results have been blank corrected as applicable. The results in this report meet all requirements of the NELAC standards unless otherwise noted. Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NYS ELAP 10872, AIHA-LAP, LLC--IHLAP Accredited #100194, NJ DEP 03036, PA ID# 68-00367

Report Amended: 07/17/2014 17:36:21 Replaces the Inital Report 07/16/2014 18:58:34. Reason Code: Data Entry-Change to Sample ID

EMSL Analytical, Inc.
200 Route 130 North, Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 / (856) 786-5974
http://www.EMSL.com cinnaslab@EMSL.com

EMSL Order:	041420097
CustomerID:	GLOB50
CustomerPO:	PHIL14-0371
ProjectID:	

Attn: **Jim Sirles**
Global Associates
Naval Business Center
4701 S. 16th Street, Bldg. 545
Philadelphia, PA 19112-5095

Phone:	(215) 897-2097
Fax:	(215) 897-6297
Received:	07/15/14 12:04 PM
Analysis Date:	7/16/2014
Collected:	7/9/2014

Project: **EX-HAWES (FFG 53) / 146-0203**

Test Report: Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method, Revision 3, Issue 2, 8/15/94*

Sample	*Location*	*Sample Date*	*Volume (liters)*	*Fibers*	*Fields*	*LOD (fib/cc)*	*Fibers/ mm²*	*Fibers/ cc*	*Notes*
JS070914036 *041420097-0011*	4-48-1-Q Sonar Cooling Equip Room	7/9/2014	1705.20	<5.5	100	0.002	<7.01	<0.002	
JS070914037 *041420097-0012*	3-84-0-E A/C Machinery Room	7/9/2014	1489.20	<5.5	100	0.002	<7.01	<0.002	
JS070914038 *041420097-0013*	1-200-2-Q Fan Room	7/9/2014	1867.20	<5.5	100	0.001	<7.01	<0.001	
JS070914039 *041420097-0014*	01-250-1-Q 1A Intake	7/9/2014	1418.40	<5.5	100	0.002	<7.01	<0.002	
JS070914040 *041420097-0015*	3-200-2-E Elevator Machinery Room	7/9/2014	1354.80	<5.5	100	0.002	<7.01	<0.002	
JS070914041 *041420097-0016*	2-180-0-Q Galley	7/9/2014	1492.80	<5.5	100	0.002	<7.01	<0.002	
JS070914042 *041420097-0017*	2-225-1-A Repair #5	7/9/2014	1390.80	<5.5	100	0.002	<7.01	<0.002	
JS070914043 *041420097-0018*	1-212-0-L Passageway	7/9/2014	1393.20	<5.5	100	0.002	<7.01	<0.002	
JS070914044 *041420097-0019*	2-140-01-L Passageway(Port)	7/9/2014	618.60	<5.5	100	0.004	<7.01	<0.004	
JS070914045 *041420097-0020*	2-180-4-L Passageway	7/9/2014	1470.00	<5.5	100	0.002	<7.01	<0.002	

Analyst(s)
Susan Muir (28)

Stephen Siegel, CIH, Laboratory Manager
or other approved signatory

Limit of detection is 7 fibers/mm². Intra-laboratory Sr values: 5-20 fibers = 0.31, 21-50 fibers = 0.30, 51-100 fibers = 0.25. Inter-laboratory Sr values (Average of EMSL round robin data) = 0.29. EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. EMSL is not responsible for data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. Results have been blank corrected as applicable. The results in this report meet all requirements of the NELAC standards unless otherwise noted. Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NYS ELAP 10872, AIHA-LAP, LLC–IHLAP Accredited #100194, NJ DEP 03036, PA ID# 68-00367

Report Amended: 07/17/2014 17:36:21 Replaces the Inital Report 07/16/2014 18:58:34. Reason Code: Data Entry-Change to Sample ID

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http://www.EMSL.com cinnaslab@EMSL.com

EMSL Order:	041420097
CustomerID:	GLOB50
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Attn: **Jim Sirles**
Global Associates
Naval Business Center
4701 S. 16th Street, Bldg. 545
Philadelphia, PA 19112-5095

Phone:	(215) 897-2097
Fax:	(215) 897-6297
Received:	07/15/14 12:04 PM
Analysis Date:	7/16/2014
Collected:	7/10/2014

Project: **EX-HAWES (FFG 53) / 146-0203**

Test Report: Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method, Revision 3, Issue 2, 8/15/94*

Sample	*Location*	*Sample Date*	*Volume (liters)*	*Fibers*	*Fields*	*LOD (fib/cc)*	*Fibers/ mm²*	*Fibers/ cc*	*Notes*
JS070914026 *041420097-0001*	01-212-0-L Passageway	7/9/2014	1489.20	<5.5	100	0.002	<7.01	<0.002	
JS070914027 *041420097-0002*	01-180-4-L Passageway	7/9/2014	1705.20	<5.5	100	0.002	<7.01	<0.002	
JS070914028 *041420097-0003*	1-108-2-L Passageway	7/9/2014	1867.20	<5.5	100	0.001	<7.01	<0.001	
JS070914029 *041420097-0004*	1-148-0-L Passageway	7/9/2014	1418.40	<5.5	100	0.002	<7.01	<0.002	
JS070914030 *041420097-0005*	2-292-2-Q General Workshop	7/9/2014	1354.80	<5.5	100	0.002	<7.01	<0.002	
JS070914031 *041420097-0006*	5-292-0-E Aux Machinery Room #3	7/9/2014	1492.80	11.3	100	0.002	14.4	0.004	
JS070914032 *041420097-0007*	2-212-0-L Crew's Mess	7/9/2014	1390.80	<5.5	100	0.002	<7.01	<0.002	
JS070914033 *041420097-0008*	2-140-01-L Passageway (STBD)	7/9/2014	618.60	6.3	100	0.004	8.03	0.005	
JS070914034 *041420097-0009*	4-140-0-Q Laundry	7/9/2014	1470.00	14.3	100	0.002	18.2	0.005	
JS070914035 *041420097-0010*	3-144-0-L Head	7/9/2014	1393.20	<5.5	100	0.002	<7.01	<0.002	

Analyst(s)
Susan Muir (28)

Stephen Siegel, CIH, Laboratory Manager
or other approved signatory

Limit of detection is 7 fibers/mm². Intra-laboratory Sr values: 5-20 fibers = 0.31, 21-50 fibers = 0.30, 51-100 fibers = 0.25. Inter-laboratory Sr values (Average of EMSL round robin data) = 0.29. EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. EMSL is not responsible for data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. Results have been blank corrected as applicable. The results in this report meet all requirements of the NELAC standards unless otherwise noted. Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NYS ELAP 10872, AIHA-LAP, LLC–IHLAP Accredited #100194, NJ DEP 03036, PA ID# 68-00367

Report Amended: 07/21/2014 15:22:18 Replaces Report Amended: 07/17/2014 17:36:21. Reason Code: Data Entry-Change to Sample ID

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200 Route 130 North, Cinnaminson, NJ 08077
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EMSL Order:	041420097
CustomerID:	GLOB50
CustomerPO:	PHIL14-0371
ProjectID:	

Attn: **Jim Sirles**
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Received:	07/15/14 12:04 PM
Analysis Date:	7/16/2014
Collected:	7/10/2014

Project: EX-HAWES (FFG 53) / 146-0203

Test Report: Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method, Revision 3, Issue 2, 8/15/94*

Sample	*Location*	*Sample Date*	*Volume (liters)*	*Fibers*	*Fields*	*LOD (fib/cc)*	*Fibers/ mm²*	*Fibers/ cc*	*Notes*
JS070914036 *041420097-0011*	4-48-1-Q Sonar Cooling Equip Room	7/9/2014	1705.20	<5.5	100	0.002	<7.01	<0.002	
JS070914037 *041420097-0012*	3-84-0-E A/C Machinery Room	7/9/2014	1489.20	<5.5	100	0.002	<7.01	<0.002	
JS070914038 *041420097-0013*	1-200-2-Q Fan Room	7/9/2014	1867.20	<5.5	100	0.001	<7.01	<0.001	
JS070914039 *041420097-0014*	01-250-1-Q 1A Intake	7/9/2014	1418.40	<5.5	100	0.002	<7.01	<0.002	
JS070914040 *041420097-0015*	3-200-2-E Elevator Machinery Room	7/9/2014	1354.80	<5.5	100	0.002	<7.01	<0.002	
JS070914041 *041420097-0016*	2-180-0-Q Galley	7/9/2014	1492.80	<5.5	100	0.002	<7.01	<0.002	
JS070914042 *041420097-0017*	2-225-1-A Repair #5	7/9/2014	1390.80	<5.5	100	0.002	<7.01	<0.002	
JS070914043 *041420097-0018*	1-212-0-L Passageway	7/9/2014	1393.20	<5.5	100	0.002	<7.01	<0.002	
JS070914044 *041420097-0019*	2-140-01-L Passageway(Port)	7/9/2014	618.60	<5.5	100	0.004	<7.01	<0.004	
JS070914045 *041420097-0020*	2-180-4-L Passageway	7/9/2014	1470.00	<5.5	100	0.002	<7.01	<0.002	

Analyst(s)
Susan Muir (28)

Stephen Siegel, CIH, Laboratory Manager
or other approved signatory

Limit of detection is 7 fibers/mm². Intra-laboratory Sr values: 5-20 fibers = 0.31, 21-50 fibers = 0.30, 51-100 fibers = 0.25. Inter-laboratory Sr values (Average of EMSL round robin data) = 0.29. EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. EMSL is not responsible for data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. Results have been blank corrected as applicable. The results in this report meet all requirements of the NELAC standards unless otherwise noted. Samples received in good condition unless otherwise noted.

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Project: **EX-HAWES (FFG 53) / 146-0203**

Test Report: Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method, Revision 3, Issue 2, 8/15/94*

Sample	*Location*	*Sample Date*	*Volume (liters)*	*Fibers*	*Fields*	*LOD (fib/cc)*	*Fibers/ mm²*	*Fibers/ cc*	*Notes*
JS070914046 *041420097-0021*	5-180-0-E Aux Machinery Room #1	7/9/2014	1705.20	<5.5	100	0.002	<7.01	<0.002	
JS071014047 *041420097-0022*	2-187-2-T Trunk	7/10/2014	1489.20	<5.5	100	0.002	<7.01	<0.002	
JS071014048 *041420097-0023*	5-212-0-E Aux Machinery Room #2	7/10/2014	1393.20	<5.5	100	0.002	<7.01	<0.002	
JS071014049 *041420097-0024*	5-250-0-E Main Engine Room U/L	7/10/2014	618.60	<5.5	100	0.004	<7.01	<0.004	
JS071014050 *041420097-0025*	5-250-0-E Main Engine Room L/L	7/10/2014	1470.00	<5.5	100	0.002	<7.01	<0.002	
JS070914035A *041420097-0026*	Field Blank 3-144-0-L Head	7/10/2014		<5.5	100		<7.01		Field Blank
JS070914045A *041420097-0027*	Field Blank 2-180-4-L Passageway	7/10/2014		<5.5	100		<7.01		Field Blank
JS071014050A *041420097-0028*	Field Blank 5-250-0-E Main Engine Room L/L	7/10/2014		<5.5	100		<7.01		Field Blank

The results reported have been blank corrected as applicable.

Analyst(s)
Susan Muir (28)

Stephen Siegel, CIH, Laboratory Manager
or other approved signatory

Limit of detection is 7 fibers/mm². Intra-laboratory Sr values: 5-20 fibers = 0.31, 21-50 fibers = 0.30, 51-100 fibers = 0.25. Inter-laboratory Sr values (Average of EMSL round robin data) = 0.29. EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. EMSL is not responsible for data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. Results have been blank corrected as applicable. The results in this report meet all requirements of the NELAC standards unless otherwise noted. Samples received in good condition unless otherwise noted.

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Report Amended: 07/21/2014 15:22:18 Replaces Report Amended: 07/17/2014 17:36:21. Reason Code: Data Entry-Change to Sample ID

THIS IS THE LAST PAGE OF THE REPORT.

RADIOACTIVE MATERIAL REMOVAL REPORT

Date: 3/8/2011

HULL NUMBER: FFG-53

Hull Name: ex- HAWES

Radcon Meter Used: IM-253/PD

Serial Number: B88

Last CAL Date: 27 Aug. 2010

EQUIPMENT NOMENCLATURE	EQUIPMENT CHARACTERIZATION	QTY	LOCATION	MSDS		COUNTS PER MINUTE	STORAGE LOCATION	
				Yes	No		Rad Lk	Ship
NONE OBSERVED ONBOARD THE VESSEL		**0**						

***EXPLAIN**

Surveyor Signature: J. King

ARSO Signature: A. Pappas

ENCL. (2)

RADIOACTIVE MATERIAL SURVEY LOG

DATE: 3/10/2011

HULL NO: FFG-53 **NAME:** EX-HAWES

STATUS: DISPOSAL **CUSTODIAN:** NISMO

COMPARTMENT NUMBER	COMPARTMENT NAME	DATE SURVEYED	SURVEYOR MATERIAL FOUND (Y/N)
01-100-0-L	C.O. Stateroom	3/8/2011	N
01-100-2-C	Missile Launch Control	3/8/2011	N
01-108-2-L	C.O. Head	3/8/2011	N
01-108-4-L	Passageway	3/8/2011	N
01-111-0-L	Passageway	3/8/2011	N
01-111-2-A	C.O. Storeroom	3/8/2011	N
01-113-0-C	CIC	3/8/2011	N
01-140-0-C	Sonar Control	3/8/2011	N
01-140-1-Q	CIC Admin	3/8/2011	N
01-151-0-Q	Electrical Cooling Equipment Room	3/8/2011	N
01-156-0-C	Radio	3/8/2011	N
01-156-1-C	Transmitter Room	3/8/2011	N
01-180-0-Q	NAV AIR	3/8/2011	N
01-180-1-Q	Fan Room	3/8/2011	N
01-180-4-L	Passageway	3/8/2011	N
01-193-0-Q	STIR	3/8/2011	N
01-204-2-Q	CMC Office	3/8/2011	N
01-212-0-L	Passageway	3/8/2011	N
01-212-2-L	Passageway	3/8/2011	N
01-215-2-L	X.O. Stateroom	3/8/2011	N

RADIOACTIVE MATERIAL SURVEY LOG

EX-HAWES FFG-53

COMPARTMENT NUMBER	COMPARTMENT NAME	DATE SURVEYED	SURVEYOR MATERIAL FOUND (Y/N)
01-224-2-L	X.O. Head	3/8/2011	N
01-231-0-M	76MM Mag	3/8/2011	N
01-238-2-C	76MM Control Station	3/8/2011	N
01-250-1-Q	1A Intake	3/8/2011	N
01-250-2-Q	1B Intake	3/8/2011	N
01-278-0-L	Passageway	3/8/2011	N
01-278-1-A	Sonobouy Storeroom #2	3/8/2011	N
01-285-0-Q	Helo Dept Office	3/8/2011	N
01-294-0-Q	Fan Room	3/8/2011	N
01-305-0-M	CIWS Mag	3/8/2011	N
01-308-1-T	CIWS Vestibule	3/8/2011	N
01-317-0-C	CIWS LCS	3/8/2011	N
01-324-0-C	Helo Control	3/8/2011	N
02-100-0-C	Pilot House	3/8/2011	N
02-112-2-L	Passageway	3/8/2011	N
02-116-1-Q	MK-92 Equip. Room	3/8/2011	N
02-116-2-C	Chart Room	3/8/2011	N
02-120-2-L	Head	3/8/2011	N
02-124-2-Q	Fan Room	3/8/2011	N
02-182-0-A	Fueling At Sea Locker	3/8/2011	N
02-282-0-A	FAS Locker	3/8/2011	N
1-100-0-Q	RICER	3/8/2011	N
1-100-1-Q	Fan Room	3/8/2011	N

RADIOACTIVE MATERIAL SURVEY LOG

EX-HAWES FFG-53

COMPARTMENT NUMBER	COMPARTMENT NAME	DATE SURVEYED	SURVEYOR MATERIAL FOUND (Y/N)
1-100-2-Q	Fan Room	3/8/2011	N
1-108-2-L	Passageway	3/8/2011	N
1-132-1-Q	SPS-49 Cooling Room	3/8/2011	N
1-133-2-Q	Foul Weather Gear Locker	3/8/2011	N
1-136-2-Q	Cleaning Gear Locker	3/8/2011	N
1-140-0-L	Officer Stateroom	3/8/2011	N
1-140-1-L	Passageway	3/8/2011	N
1-148-0-L	Passageway	3/8/2011	N
1-151-1-L	DECON Station/Female Head	3/8/2011	N
1-152-1-Q	Fan Room	3/8/2011	N
1-153-1-L	Officer Head	3/8/2011	N
1-156-2-L	Supply Off SR	3/8/2011	N
1-164-1-L	WRSR	3/8/2011	N
1-164-2-L	Weaps Off SR	3/8/2011	N
1-171-1-L	Eng Off SR	3/8/2011	N
1-172-2-L	Ops Off SR	3/8/2011	N
1-180-0-L	Wardroom	3/8/2011	N
1-198-1-Q	Wardroom Pantry	3/8/2011	N
1-200-2-Q	Fan Room	3/8/2011	N
1-212-0-L	Passageway	3/8/2011	N
1-220-0-M	Torpedo Mag	3/8/2011	N
1-220-1-T	Trunk	3/8/2011	N
1-232-1-M	MK-25 Mag	3/8/2011	N

RADIOACTIVE MATERIAL SURVEY LOG

EX-HAWES FFG-53

COMPARTMENT NUMBER	COMPARTMENT NAME	DATE SURVEYED	SURVEYOR MATERIAL FOUND (Y/N)
1-236-1-A	HALON Cylinder Storeroom	3/8/2011	N
1-240-1-K	Paint Locker	3/8/2011	N
1-250-1-Q	Fan Room	3/8/2011	N
1-250-2-Q	Fan Room	3/8/2011	N
1-250-3-L	Passageway	3/8/2011	N
1-250-4-L	Passageway	3/8/2011	N
1-253-2-Q	Helo Workshop	3/8/2011	N
1-255-1-M	SUS Mag	3/8/2011	N
1-258-0-Q	Uptake Space	3/8/2011	N
1-258-1-Q	400HZ Room	3/8/2011	N
1-258-3-Q	Battery Charger Room	3/8/2011	N
1-261-1	Plenum Chamber	3/8/2011	N
1-261-2	Plenum Chamber	3/8/2011	N
1-266-2-A	Sonobouy Storeroom #1	3/8/2011	N
1-278-1-Q	Starboard Helo Hanger	3/8/2011	N
1-278-2-Q	Port Helo Hanger	3/8/2011	N
2-Z-0-A	Bos'n Storeroom #1	3/8/2011	N
2-20-0-A	Bos'n Storeroom #2	3/8/2011	N
2-32-0-Q	Windlass Room	3/8/2011	N
2-36-2-T	Escape Trunk	3/8/2011	N
2-40-2-L	Passageway	3/8/2011	N
2-44-2-A	Officer's Baggage Room	3/8/2011	N
2-48-1-A	Armory	3/8/2011	N
2-48-2-A	Electrical Tool Issue	3/8/2011	N

RADIOACTIVE MATERIAL SURVEY LOG

EX-HAWES FFG-53

COMPARTMENT NUMBER	COMPARTMENT NAME	DATE SURVEYED	SURVEYOR MATERIAL FOUND (Y/N)
2-55-1-A	Repair #2	3/8/2011	N
2-64-0-L	Passageway	3/8/2011	N
2-79-0-C	CSMC/IC Gyro	3/8/2011	N
2-79-1-A	Athletic Gear Storeroom	3/8/2011	N
2-84-1-T	Trunk	3/8/2011	N
2-92-2-T	Trunk	3/8/2011	N
2-100-01-L	Berthing	3/8/2011	N
2-100-0-L	Lounge	3/8/2011	N
2-100-1-L	Passageway	3/8/2011	N
2-100-4-L	Passageway	3/8/2011	N
2-113-0-L	Head	3/8/2011	N
2-119-1-L	Cleaning Gear Locker	3/8/2011	N
2-140-01-L	Passageway (STBD)	3/8/2011	N
2-140-01-L	Passageway (PORT)	3/8/2011	N
2-140-0-Q	Barber Shop	3/8/2011	N
2-140-1-Q	Post Officer	3/8/2011	N
2-140-2-Q	RTGR Pub Vault	3/8/2011	N
2-140-4-Q	Ship's Store	3/8/2011	N
2-152-2-L	Medical	3/8/2011	N
2-168-1-L	CPO Berthing	3/8/2011	N
2-168-2-L	CPO Lounge	3/8/2011	N
2-172-1-L	CPO Head	3/8/2011	N
2-180-0-Q	Galley	3/8/2011	N
2-180-1-L	Passageway	3/8/2011	N

RADIOACTIVE MATERIAL SURVEY LOG

EX-HAWES FFG-53

COMPARTMENT NUMBER	COMPARTMENT NAME	DATE SURVEYED	SURVEYOR MATERIAL FOUND (Y/N)
2-180-2-L	CPO Mess	3/9/2011	N
2-180-4-L	Passageway	3/9/2011	N
2-184-1-L	Cleaning Gear Locker	3/9/2011	N
2-187-2-T	Trunk	3/9/2011	N
2-203-2-Q	Scullery	3/9/2011	N
2-208-2-T	Trunk	3/9/2011	N
2-209-1-Q	Dumb Waiter	3/9/2011	N
2-212-0-L	Crew's Mess	3/9/2011	N
2-212-1-L	Passageway	3/9/2011	N
2-212-2-T	Trunk	3/9/2011	N
2-220-1-Q	AFFF Station #1	3/9/2011	N
2-223-1-T	Trunk	3/9/2011	N
2-225-1-A	Repair #5	3/9/2011	N
2-238-1-Q	Trash Disposal Room	3/9/2011	N
2-244-2-Q	Fan Room	3/9/2011	N
2-245-2-Q	Cleaning Gear Locker	3/9/2011	N
2-250-0-1	Passageway	3/9/2011	N
2-278-2-Q	AFFF Station #2	3/9/2011	N
2-292-01-C	CCS	3/9/2011	N
2-292-0-L	Passageway	3/9/2011	N
2-292-2-Q	General Workshop	3/9/2011	N
2-301-1-T	Trunk	3/9/2011	N
2-316-2-Q	Electrical Shop	3/9/2011	N
2-325-0-T	Trunk	3/9/2011	N

RADIOACTIVE MATERIAL SURVEY LOG

EX-HAWES FFG-53

COMPARTMENT NUMBER	COMPARTMENT NAME	DATE SURVEYED	SURVEYOR MATERIAL FOUND (Y/N)
2-328-0-Q	LAN Storeroom	3/9/2011	N
2-328-0-Q	Ship's Office	3/9/2011	N
2-328-0-Q	COC	3/9/2011	N
2-328-0-Q	LMRC	3/9/2011	N
2-328-0-Q	Disbursing Office	3/9/2011	N
2-328-2-L	Passageway	3/9/2011	N
2-328-4-T	Trunk	3/9/2011	N
2-328-6-Q	Supply Support	3/9/2011	N
2-344-2-A	Repair #3	3/9/2011	N
2-355-2-K	Gas Cylinder Storeroom	3/9/2011	N
2-360-1-C	RAST Control Station	3/9/2011	N
2-363-2-Q	Officer's Laundry	3/9/2011	N
2-368-01-L	Passageway	3/9/2011	N
2-368-1-A	Aviation Storeroom #1	3/9/2011	N
2-368-2-Q	Oil Lab	3/9/2011	N
2-376-2-A	Medical Storeroom #2	3/9/2011	N
2-383-2-J	Helo Refueling Room	3/9/2011	N
2-388-0-E	RAST Machinery Room	3/9/2011	N
2-388-2-Q	TACTAS	3/9/2011	N
2-390-1-A	Aviation Storeroom #2	3/9/2011	N
2-397-1-Q	NIXIE Room #2	3/9/2011	N
2-407-0-A	Aviation Storeroom #3	3/9/2011	N
3-32-1-K	Flammable Liquid Storeroom	3/9/2011	N
3-32-2-A	Security Force Issue Room	3/9/2011	N

RADIOACTIVE MATERIAL SURVEY LOG

EX-HAWES FFG-53

COMPARTMENT NUMBER	COMPARTMENT NAME	DATE SURVEYED	SURVEYOR MATERIAL FOUND (Y/N)
3-36-2-T	Trunk	3/9/2011	N
3-40-2-A	CPO Storeroom	3/9/2011	N
3-43-0-L	Passageway	3/9/2011	N
3-46-1-A	CMAA Storeroom	3/9/2011	N
3-48-2-A	Medical Storeroom	3/9/2011	N
3-53-2-A	Small Store Storeroom	3/9/2011	N
3-56-0-A	Cleaning Gear Storeroom	3/9/2011	N
3-59-2-A	MAA Storeroom	3/9/2011	N
3-84-0-E	A/C Machinery Room	3/9/2011	N
3-93-1-Q	Elec Power Conversion Room	3/9/2011	N
3-140-0-L	Cleaning Gear Locker	3/9/2011	N
3-144-0-L	Berthing	3/9/2011	N
3-144-0-L	Lounge	3/9/2011	N
3-144-0-L	Head	3/9/2011	N
3-154-1-Q	Piping Space	3/9/2011	N
3-156-2-Q	Piping Space	3/9/2011	N
3-180-0-A	Freeze Storeroom	3/9/2011	N
3-180-1-A	Chill Storeroom #1	3/9/2011	N
3-180-2-C	Switchboard #1	3/9/2011	N
3-180-3-A	Chill Storeroom #3	3/9/2011	N
3-180-5-A	Dry Provision Storeroom	3/9/2011	N
3-188-0-L	Passageway	3/9/2011	N
3-196-2-A	Ship's Store Storeroom	3/9/2011	N
3-200-2-E	Elevator Machinery Room	3/9/2011	N

RADIOACTIVE MATERIAL SURVEY LOG

EX-HAWES FFG-53

COMPARTMENT NUMBER	COMPARTMENT NAME	DATE SURVEYED	SURVEYOR MATERIAL FOUND (Y/N)
3-203-0-T	Elevator	3/9/2011	N
3-250-1-T	Trunk	3/9/2011	N
3-250-2-T	Trunk	3/9/2011	N
3-325-0-T	Trunk	3/9/2011	N
3-328-0-A	Supply Storeroom (GSK)	3/9/2011	N
4-32-0-Q	Sonar Equipment Room	3/9/2011	N
4-48-1-Q	Sonar Cooling Equip Room	3/9/2011	N
4-48-2-L	Passageway	3/9/2011	N
4-56-0-M	Small Arms Mag	3/9/2011	N
4-56-2-A	Deck Gear Storeroom	3/9/2011	N
4-64-0-Q	Mag Service Room	3/9/2011	N
4-100-0-E	APU Machinery Room	3/9/2011	N
4-140-0-Q	Laundry	3/9/2011	N
4-140-2-A	Laundry Storeroom #2	3/9/2011	N
4-140-3-A	Laundry Storeroom #1	3/9/2011	N
4-144-1-T	Cleaning Gear Locker	3/9/2011	N
4-152-1-A	Chemical Warfare Storeroom	3/9/2011	N
4-160-0-Q	CHT Pump Room	3/9/2011	N
4-172-1-E	Fire Pump Room	3/9/2011	N
4-208-2-T	Trunk	3/9/2011	N
5-51-0-Q	Eductor Room	3/9/2011	N
5-180-0-E	Aux Machinery Room #1	3/9/2011	N
5-212-0-E	Aux Machinery Room #2	3/9/2011	N
5-250-0-E	Main Engine Room U/L	3/9/2011	N

RADIOACTIVE MATERIAL SURVEY LOG

EX-HAWES FFG-53

COMPARTMENT NUMBER	COMPARTMENT NAME	DATE SURVEYED	SURVEYOR MATERIAL FOUND (Y/N)
5-250-0-E	Main Engine Room L/L	3/9/2011	N
5-292-0-E	Aux Machinery Room #3	3/9/2011	N
5-368-01-E	After Steering	3/9/2011	N
5-370-1-A	E-Division Storage Cage	3/9/2011	N
5-376-1-A	MP Division Storage Cage	3/9/2011	N
5-376-2-A	MP Division Issue	3/9/2011	N
5-390-1-A	Secondary Issue	3/9/2011	N
5-392-1-A	Storage Cage	3/9/2011	N

Surveyor Signature

ARSO Signature

PCB INVENTORY ex-HAWES (FFG 53)

ITEM	Equipment Description	Qty	Cabinet	Status	Location	Serial	Kg (total)	Remarks
MK-60 MOD 1 Control Servo APL 006080017	Capacitor	2	1	On Ship	1-100-0-Q	NR	N/A	None
MK 86 MOD 0 Transmitter Radar APL 006080015	Capacitor	2	1	On Ship	01-193-0-Q	NR	N/A	None
MK 86 MOD 0 Transmitter Radar APL 006080015	Capacitor	4	1	On Ship	011-193-0-Q	NR	N/A	None
MK 69 MOD 1 Receiver Transmitter Radar APL006080014	Capacitor	10	1	On Ship	02-116-1-Q	NR	N/A	None
MK 167 MOD 0 Amplifier Radio APL0060080018	Capacitor	3	1	On Ship	02-116-1-Q	NR	N/A	None
MK 167 MOD 0 Amplifier Radio APL0060080018	Capacitor	3	1	On Ship	02-116-1-Q	NR	N/A	None
ReceiverTransmitter Radar APL 006080014	Capacitor	6	1	On Ship	02-116-1-Q	NR	N/A	None
Antenna Assembly APL 006080021	Capacitor	2	1	On Ship	03-120-WEA	NR	N/A	None
MK 106 MOD 1 Control Console,Weapon APL 006080007	Capacitor	1	1	On Ship	01-113-0-C	NR	N/A	None
MK 106 MOD 1 Control Console,Weapon APL 006080008	Capacitor	1	1	On Ship	01-113-0-C	NR	N/A	None

Surveyor: G. Goins / J. King

EHS Manager: James Sirles

1 ENCL (3)

D029 (UIC)/ ZA UIC/ R21234 D036B-E/ FFG 53 D036D/ USS HAWES

NIIN/ 000898999 C003/ 9N C003B/ C004/ CAPACITOR,ELECTRICA
APL/ 111040004 D029/ SP E001/ POWER SUPPLY 115V AC INP 120V DC OTP NIIN QTY/ 0000001 UIC QTY/ 0003 01-156-0-C
NIIN/ 002449248 C003/ 9N C003B/ C004/ CAPACITOR,FIXED,PAP
~~APL/ 56982560 D029/ EP E001/ AN/SPA-25E, INDIGATOR GROUP NIIN QTY/ 0000001 UIC QTY/ 0003~~
NIIN/ 004485048 C003/ 9N C003B/ C004/ CAPACITOR,FIXED,PAP
APL/ 78298003 D029/ EP E001/ OJ-172(V)/UYK P/N 7085100-06, CONSOLE,I/O NIIN QTY/ 0000001 UIC QTY/ 0001 1-100-0-Q
NIIN/ 004840127 C003/ 9N C003B/ C004/ CAPACITOR,FIXED,PAP
APL/ 00002195 D029/ EP E001/ RD-338/SIH-7 NIIN QTY/ 0000004 UIC QTY/ 0002 2-79-0-C
NIIN/ 005196402 C003/ 9N C003B/ C004/ FILTER,RADIO FREQUE
~~APL/ 49402881 D029/ EP E001/ C-7714B, CONTROL,POWER SUPPLY(CWI) NIIN QTY/ 0000018 UIC QTY/ 0002~~
NIIN/ 005397590 C003/ 9N C003B/ C004/ FILTER,RADIO FREQUE
~~APL/ 49402837 D029/ EP E001/ T-1085B/SPG-51D, TRANSMITTER,RADAR NIIN QTY/ 0000006 UIC QTY/ 0002~~
~~APL/ 49402881 D029/ EP E001/ C-7714B, CONTROL,POWER SUPPLY(CWI) NIIN QTY/ 0000004 UIC QTY/ 0002~~
NIIN/ 005431133 C003/ 9N C003B/ C004/ FILTER,RADIO FREQUE
APL/ 78298003 D029/ EP E001/ OJ-172(V)/UYK P/N 7085100-06, CONSOLE,I/O NIIN QTY/ 0000006 UIC QTY/ 0001 1-100-0-Q
NIIN/ 007639064 C003/ 9N C003B/ C004/ FILTER,RADIO FREQUE
~~APL/ 006080017 D029/ SP E001/ MK160MOD1,CONTROL,SERVO NIIN QTY/ 0000002 UIC QTY/ 0001~~
NIIN/ 007709941 C003/ 9N C003B/ C004/ FILTER,RADIO FREQUE
~~APL/ 92600253 D029/ EP E001/ TSEC/KG-14-RTTY MODEL, GENERATOR,ACCESSORY KEY NIIN QTY/ 0000001 UIC QTY/ 0004~~
NIIN/ 008051972 C003/ 9N C003B/ C004/ FILTER,RADIO FREQUE
~~APL/ 006080014 D029/ SP E001/ MK69MOD1,RECEIVER,TRANSMITTER RADAR (CAS) NIIN QTY/ 0000002 UIC QTY/ 0001~~
~~APL/ 006080015 D029/ SP E001/ MK86MODO,TRANSMITTER,RADAR STIR NIIN QTY/ 0000002 UIC QTY/ 0001~~
~~APL/ 006080018 D029/ SP E001/ MK167MODO,AMPLIFIER,RADIO FREQUENCY (CAS) NIIN QTY/ 0000003 UIC QTY/ 0001~~
NIIN/ 008486638 C003/ 9N C003B/ C004/ FILTER,RADIO FREQUE
~~APL/ 49402881 D029/ EP E001/ C-7714B, CONTROL,POWER SUPPLY(CWI) NIIN QTY/ 0000002 UIC QTY/ 0002~~
NIIN/ 008510366 C003/ 9N C003B/ C004/ FILTER,RADIO FREQUE
~~APL/ F7402310 D029/ EP E001/ AN/SRA-33 FFG-7 CL, COUPLER GROUP,ANTENNA NIIN QTY/ 0000002 UIC QTY/ 0002~~
~~APL/ OR97010001 D029/ ES E001/ ORDALT 9701,AN/SPG-51D RADAR NIIN QTY/ 0000002 UIC QTY/ 0002~~
~~APL/ 006080007 D029/ SP E001/ MK106MOD1,CONSOLE,WEAPON CONTROL (CAS) NIIN QTY/ 0000002 UIC QTY/ 0001~~
~~APL/ 006080008 D029/ SP E001/ MK107MODO,CONSOLE,WEAPON CONTROL (STIR) NIIN QTY/ 0000002 UIC QTY/ 0001~~
~~APL/ 006080018 D029/ SP E001/ MK167MODO,AMPLIFIER,RADIO FREQUENCY (CAS) NIIN QTY/ 0000004 UIC QTY/ 0001~~
~~APL/ 006080021 D029/ SP E001/ MK53MOD1,ANTENNA,ASSEMBLY (CAS) NIIN QTY/ 0000002 UIC QTY/ 0001~~
~~APL/ 49402837 D029/ EP E001/ T-1085B/SPG-51D, TRANSMITTER,RADAR NIIN QTY/ 0000011 UIC QTY/ 0002~~
~~APL/ 49402881 D029/ EP E001/ C-7714B, CONTROL,POWER SUPPLY(CWI) NIIN QTY/ 0000004 UIC QTY/ 0002~~
NIIN/ 009051008 C003/ 9N C003B/ C004/ FILTER,RADIO FREQUE
~~APL/ 006080007 D029/ SP E001/ MK106MOD1,CONSOLE,WEAPON CONTROL (CAS) NIIN QTY/ 0000012 UIC QTY/ 0001~~
~~APL/ 006080008 D029/ SP E001/ MK107MODO,CONSOLE,WEAPON CONTROL (STIR) NIIN QTY/ 0000003 UIC QTY/ 0001~~
~~APL/ 006080014 D029/ SP E001/ MK69MOD1,RECEIVER,TRANSMITTER RADAR (CAS) NIIN QTY/ 0000004 UIC QTY/ 0001~~
~~APL/ 006080015 D029/ SP E001/ MK86MODO,TRANSMITTER,RADAR STIR NIIN QTY/ 0000004 UIC QTY/ 0001~~
~~APL/ 006080017 D029/ SP E001/ MK160MOD1,CONTROL,SERVO NIIN QTY/ 0000003 UIC QTY/ 0001~~
NIIN/ 009279845 C003/ 9N C003B/ C004/ FILTER,RADIO FREQUE
~~APL/ 49402881 D029/ EP E001/ C-7714B, CONTROL,POWER SUPPLY(CWI) NIIN QTY/ 0000006 UIC QTY/ 0002~~
NIIN/ 009279846 C003/ 9N C003B/ C004/ FILTER,RADIO FREQUE
~~APL/ 49402881 D029/ EP E001/ C-7714B, CONTROL,POWER SUPPLY(CWI) NIIN QTY/ 0000012 UIC QTY/ 0002~~
NIIN/ 009376708 C003/ 1H C003B/ CA C004/ FILTER,LOW PASS
~~APL/ 92600253 D029/ EP E001/ TSEC/KG-14-RTTY MODEL, GENERATOR,ACCESSORY KEY NIIN QTY/ 0000003 UIC QTY/ 0004~~
NIIN/ 009887989 C003/ 9N C003B/ C004/ CAPACITOR,FIXED,PAP
APL/ 79578802 D029/ EP E001/ PP-3916C/UR, POWER SUPPLY NIIN QTY/ 0000001 UIC QTY/ 0005 01-156-0-C
NIIN/ 009920313 C003/ 9N C003B/ C004/ FILTER,RADIO FREQUE
~~APL/ 62732570 D029/ EP E001/ CV-2757/SGC, CONVERTER-REPEATER NIIN QTY/ 0000003 UIC QTY/ 0002~~
NIIN/ 009946442 C003/ 9N C003B/ C004/ CAPACITOR,FIXED,PAP

Enclosure (3)

086JQ1L PCB ITEM LISTING SORT SEQUENCE: 1-D029 OF UIC, 2-UIC, 3-NIIN, 4-APL JCN SK7998 W23 A

~~APL/ F1329702 D029/ EP E001/ NIIN QTY/ 0000002 UIC QTY/ 0001~~
NIIN/ 010135014 C003/ 9N C003B/ C004/ CAPACITOR,FIXED,PAP
~~APL/ 112700006 D029/ SP E001/ POWER SUPPLY 440V AC INP 450V 400HZ 150 KWOPT NIIN QTY/ 0000006 UIC QTY/ 0003~~
NIIN/ 010160043 C003/ 9N C003B/ C004/ CAPACITOR,FIXED,PAP
~~APL/ 84099932 D029/ EP E001/ RT-1407(V)3/WSC-3 SER F, RECEIVER TRANSMITTER NIIN QTY/ 0000001 UIC QTY/ 0001~~
~~APL/ 84099937 D029/ EP E001/ RT-1407(V)7/WSC-3 SER G, RCVR TRANSMITTER,LOS NIIN QTY/ 0000001 UIC QTY/ 0008~~
NIIN/ 010275269 C003/ 9N C003B/ C004/ CAPACITOR,FIXED,PLA
~~APL/ F8393751 D029/ EP E001/ AN/UPX-27 FFG-7 CL, INTERROGATOR SET NIIN QTY/ 0000001 UIC QTY/ 0002~~

Confirmed against COSAL
10/11/13
JAL

Enclosure (3)

ADDENDUM TO POLYCHLORINATED BIPHENYL SAMPLING AND ANALYSIS LOGIN SHEETS AND ANALYSIS REPORT **41114** of **7/24/14**

Subj: PCB SAMPLING AND ANALYSIS SURVEY FOR **ex- HAWES FFG-53**
Ref: (a) COMNAVSEASYSCOM WASHINGTON DC ltr 4770 Ser 00T/248 of 21 Sep 95
(Subj: NAVSEA PCB Advisory 95-1)

1. The following statement is provided regarding the number of samples taken as required by reference (a):

20 Samples of ELECTRICAL CABLE were taken

10 Samples of VENTILATION DUCT GASKETS were taken.

5 Samples of BULKHEAD INSULATION were taken

10 Samples of OILS AND GREASES were taken.

5 Samples of DOUBLE-BACKED ADHESIVE TAPE were taken

0 Sample of ALUMINIZED PAINT were taken

5 Samples of RUBBER APPLICATIONS (i.e., shock mounts, hatch gaskets, pipe hangars, etc.) were taken

7 Quality Control Samples (FIELD BLANKS and TOOL CHECKS) were taken.

2. A representative sample was taken of each of the applications identified above. No other applications meeting the criteria of reference (a) were available for sampling on board.

JAMILE KING	GEORGE GOINS
SAMPLER(S)	SAMPLER(S)
Printed Name	Printed Name

ENCL. (4)

Vessel Name and Hull Number: ex- HAWES FFG-53

ELECTRICAL CABLING SAMPLING LOG-IN SHEET (20 Samples required)					
Smpl No.	Smpl Date Time	Location (Compartment Name/Number)	DESCRIPTION OF CABLE (Size, Color, Manufacturer, MIL-SPEC, etc) Sample Size: 2-1/2" x 1/4"	Cable Year	Result
1	7/10/14 0856	CIC 01-113-0-C	GRAY, CHESTER CABLE MNW-7 SPL PVC 1-1/4"	1981	ND
2	7/10/14 0915	SONAR CONTROL 01-140-0-C	BLACK, OKONITE CO. PLT 3 LS-TSGU-50 MZ4643/16-U6UN 2-1/2"	1987	ND
3	7/10/14 0932	RADIO 01-156-0-C	BLACK, MONROE CABLE CO, INC LS2U-15 M24643145-02U0XL POLY, 1-1/2"	1998	ND
4	7/10/14 0943	TRANSMITTER ROOM 01-156-1-C	GRAY, CHESTER CABLE MNW-10 SPL PVC 1"	1981	ND
5	7/10/14 1053	NAV AIR 01-180-0-Q	GRAY, COLLYERSSGU-50 SPL PVC 1-1/4"	1984	ND
6	7/10/14 1230	RICER 1-100-0-Q	BLACK, CONTINENTAL CABLE LSTSGU M2464/16-01UN XL POLYO 1-1/4"	1992	ND
7	7/10/14 1309	TACTAS 2-388-2-Q	BLACK, AIW CORP TYPE LSTNW-3 M24643/48 01UN XLPOLYO 1"	1988	ND
8	7/10/14 1328	COC 2-328-0-Q	BLACK, BICC CRAND REX LSTTSU M24643/23-01UN XLPOLYO 1-1/2"	1998	ND
9	7/10/14 1430	MEDICAL 2-152-2-L	GRAY, BRAND REX TTSU-SP-L PVC 1-1/2"	1982	ND
10	7/10/14 1445	REPAIR #2 2-55-1-A	BLACK, COLLYER LSDGU-3 M24643/15-01UN ¾"	1980	ND
11	7/11/14 0747	REPAIR #2 2-55-1-A	BLACK, CAROL CABLE CO WEST THOF-42 NEOP 2-1/2"	1982	ND

Vessel Name and Hull Number: ex- HAWES FFG-53

ELECTRICAL CABLING SAMPLING LOG-IN SHEET (20 Samples required)					
Smpl No.	Smpl Date Time	Location (Compartment Name/Number)	DESCRIPTION OF CABLE (Size, Color, Manufacturer, MIL-SPEC, etc) Sample Size: 2-1/2" x 1/4"	Cable Year	Result
12	7/11/14 0754	PASSAGEWAY 2-40-2-L	GRAY, COLLYER CO TSGU-75 SPL PVC 2-1/2"	1982	ND
13	7/11/14 0802	CSMC/IC GYRO 2-79-0-C	BLACK MONROE CABLE CO LS3SU-3 M24643 XLPOLYO ¾"COLLYER LSTSGU-23-246 43-26-05 UN 2"	1987	ND
14	7/11/14 0808	CSMC/IC GYRO 2-79-0-C	BLACK, COLLYER LSTSGU-23-246 43-26-05 UN 2"	1987	ND
15	7/11/14 0815	PASSAGEWAY 2-140-01-L	BLACK, COLLYER TSOF-42-STD PVC 2-1/2"	1981	ND
16	7/11/14 0825	TRUNK 2-187-2-T	WHITE, MONROE CABLE CO LSTSGU-14-M24643/16-04UN 1-1/2"	2004	ND
17	7/11/14 0830	AUX MACHINERY ROOM #2 5-212-0-E	BLACK, MONROE CO LSTTUS M2463/23 XLPOLYO 1-1/2"	2002	ND
18	7/11/14 0835	AUX MACHINERY ROOM #2 5-212-0-E	BLACK, MONROE CABLE CORP LSDHOF-4 M24643/3	1992	ND
19	7/11/14 0840	MAIN ENGINE ROOM U/L 5-250-0-E	BLACK, BICC GENERAL LSDSGU-100 M24643/16 2-1/2"	2001	ND
20	7/11/14 0910	TACTAS 2-388-2-Q	GRAY, PLASTOID CO PP2855 ½"	1986	ND

Vessel Name and Hull Number: ex- HAWES FFG-53

OIL SAMPLING LOG-IN SHEET (5 Samples of Oil and 5 Samples of Grease Required)				
Smpl No.	Smpl Date Time	Location (Compartment Name/Number)	DESCRIPTION OF OILS/GREASES (Lube, Hydraulic Oils and/or grease and equipment retrieved from): Sample Size: 1/4" to 1"depth	Result
21	7/11/14 1025	AVIATION STOREROOM #3 2-407-0-A	GREASE, AFT CAPSTAN,	ND
22	7/11/14 1033	AFTER STEERING 5-368-01-E	HYDRAULIC OIL, STEERING GEAR	ND
23	7/11/14 1040	AFTER STEERING 5-368-01-E	GREASE, STEERING GEAR	ND
24	7/11/14 1048	RAST MACHINERY ROOM 2-388-0-E	GREASE, RAST MOTOR	ND
25	7/11/14 1244	AUX MACHINERY ROOM #1 5-180-0-E	GREASE, FIN SYST. INBOARD BEARING	ND
26	7/11/14 1306	MAIN ENGINE ROOM L/L 5-250-0-E	LUBE OIL, LUBE PUMP FILTER SYSTEM	ND
27	7/11/14 1321	NIXIE ROOM #2 2-397-1-Q	GREASE, NIXIE WINCH BRAKE	ND
28	7/11/14 1359	AUX MACHINERY ROOM #1 5-212-0-E	LUBE OIL, GENERATOR	ND
29	7/11/14 1416	PASSAGEWAY 1-212-0-L	HYDRAULIC OIL, PORT BYPASS VALVE	ND
30	7/11/14 1437	GENERAL WORKSHOP 2-292-2-Q	LUBE OIL, LUBE OIL STORAGE TANK	ND

Vessel Name and Hull Number: ex- HAWES FFG-53

VENTILATION GASKET SAMPLING LOG-IN SHEET 10 Samples Required				
Smpl No.	Smpl Date Time	Location (Compartment Name/Number)	DESCRIPTION OF VENTILATION GASKET (Rubber/Wool Felt, etc) Sample Size: 2" Strip	Result
31	7/14/14 0752	MK-92 EQUIP. ROOM 02-116-1-Q	BLACK RUBBER	ND
32	7/14/14 0815	SONAR CONTROL 01-140-0-C	BLACK RUBBER	ND
33	7/14/14 0823	CMC OFFICE 01-204-2-Q	BLACK RUBBER	ND
34	7/14/14 0840	PASSAGEWAY 1-212-0-L	BLACK RUBBER	ND
35	7/14/14 0853	WINDLASS ROOM 2-32-0-Q	BLACK RUBBER	ND
36	7/14/14 0912	CCS 2-292-01-C	BLACK RUBBER	ND
37	7/14/14 0921	REPAIR #3 2-344-2-A	BLACK RUBBER	ND
38	7/14/14 0930	NIXIE ROOM #2 2-397-1-Q	BLACK RUBBER	ND
39	7/14/14 0942	PASSAGEWAY 1-108-2-L	BLACK RUBBER	ND
40	7/14/14 0953	PASSAGEWAY 3-188-0-L	BLACK RUBBER	ND

Vessel Name and Hull Number: ex- HAWES FFG-53

BULKHEAD INSULATION SAMPLING LOG-IN SHEET
(5 Samples Required)

Smpl No.	Smpl Date Time	Location (Compartment Name/Number)	DESCRIPTION OF INSULATION (Type, Color, Etc.) Sample Size: 2-1/2" x 1/2"	Result
41	7/14/14 1020	SWITCHBOARD #1 3-180-2-C	YELLOW THERMAL	ND
42	7/14/14 1026	CCS 2-292-01-C	YELLOW ACOUSTIC	ND
43	7/14/14 1035	ELECTRICAL SHOP 2-316-2-Q	YELLOW THERMAL	ND
44	7/14/14 1043	TACTAS 2-388-2-Q	YELLOW THERMAL	ND
45	7/14/14 1054	FAN ROOM 2-244-2-Q	YELLOW ACOUSTIC	

RUBBER APPLICATION SAMPLING LOG-IN SHEET
(5 Samples Required)

Smpl No.	Smpl Date Time	Location (Compartment Name/Number)	DESCRIPTION (SEE NOTE BELOW) Sample Size: 2-1/2" x 1/2"	Result
46	7/14/14 1245	CIC 01-113-0-C	BLACK RUBBER, ELECTRICAL CHANNEL	ND
47	7/14/14 1303	PILOT HOUSE 02-100-0-C	BLACK RUBBER , SHOCK MOUNT	ND
48	7/14/14 1310	STIR 01-193-0-Q	BLACK RUBBER, PIPE HANGER	ND
49	7/14/14 1321	ARMORY 2-48-1-A	BLACK RUBBER, ELECTRICAL CHANNEL	ND
50	7/14/14 1337	PASSAGEWAY 2-368-01-L	BLACK RUBBER, PIPE HANGER	ND

Rubber applications (high temperature applications) include but are not limited to:
Isolation shock mounts for electronic equipment
Pipe Block hangers
Pipe hangar lines
NOT VENTILATION GASKETS

Vessel Name and Hull Number: ex- HAWES FFG-53

DOUBLE-BACKED ADHESIVE TAPE SAMPLING LOG-IN SHEET (5 Samples Required)				
Smpl No.	Smpl Date Time	Location (Compartment Name/Number)	DESCRIPTION OF EQUIPMENT (Where Retrieved and color) Sample Size: Strip	Result
51	7/14/14 1350	CIWS VESTUBULE 01-308-1-T	COMPARTMENT CHECKOFF LIST, BLACK TAPE	ND
52	7/14/14 1418	BERTHING 2-100-01-L	COMPARTMENT CHECKOFF LIST, BLACK TAPE	ND
53	7/14/14 1423	CLEANING GEAR STOREROOM 3-56-0-A	COMPARTMENT CHECKOFF LIST, BLACK TAPE	ND
54	7/14/14 1434	BARBER SHOP 2-140-0-Q	COMPARTMENT CHECKOFF LIST, BLACK TAPE	ND
55	7/14/14 1445	LAN STOREROOM 2-328-0-Q	COMPARTMENT CHECKOFF LIST, BLACK TAPE	ND

ALUMINIZED PAINT SAMPLING LOG-IN SHEET (5 Samples Required)				
Smpl No.	Smpl Date Time	Location (Compartment Name/Number)	DESCRIPTION OF EQUIPMENT WHERE RETRIEVED Sample Size: 1/8" to 1/4" depth in container	Result
56			NO ALUMINIZED PAINT OBSERVED ON BOARD	
57			NO ALUMINIZED PAINT OBSERVED ON BOARD	
58			NO ALUMINIZED PAINT OBSERVED ON BOARD	
59			NO ALUMINIZED PAINT OBSERVED ON BOARD	
60			NO ALUMINIZED PAINT OBSERVED ON BOARD	

Vessel Name and Hull Number: ex- HAWES FFG-53

FIELD BLANKS SAMPLING LOG-IN SHEET (2 Samples required: One after the 30th Sample and one after the last solid sample taken)				
Smpl No.	Smpl Date Time	Location (Compartment Name/Number)	DESCRIPTION	Result
FB-61	7/11/14 1439	GENERAL WORKSHOP 2-292-2-Q	AFTER SAMPLE 30	ND
FB-62	7/14/14 1500	LAN STOREROOM 2-328-0-Q	AFTER SAMPLE 55	ND

TOOL CHECKS SAMPLING LOG-IN SHEET (5 Samples required; One after every 10 Solid Samples and one after the last solid sample taken)				
Smpl No.	Smpl Date Time	Location (Compartment Name/Number)	DESCRIPTION	Result
TC-63	7/10/14 1450	REPAIR #2 2-55-1-A	TOOL BLANK #1	ND
TC-64	7/11/14 0915	TACTAS 2-388-2-Q	TOOL BLANK #2	ND
TC-65	7/14/14 0957	PASSAGEWAY 3-188-0-L	TOOL BLANK #3	ND
TC-66	7/14/14 1340	PASSAGEWAY 2-368-01-L	TOOL BLANK #4	ND
TC-67	7/14/14 1457	SHIP'S OFFICE 2-328-0-Q	TOOL BLANK #5	ND

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Analytical Report

Project Name: ex-HAWES FFG-53

MAEL Job Number: 41114

Client: Global - NISMO
4701 S. 16th Street
PNBC Building 545
Philadelphia, PA 19112

Contact Name: Jim Sirles

Date Received: 07/17/2014

Date Reported: 7/24/2014

Analytical test results for methods listed on the laboratory's scope of accreditation meet all requirements of NELAC unless otherwise noted. All sample holding times and preservation requirements were met unless otherwise noted. Test results relate only to the sample tested. This report shall not be reproduced, except in full, without prior written authorization of Mid-Atlantic Environmental Laboratories, Inc.

M/DBE Certification
DE NJ PAUCP (SEPTA)
City of Philadelphia

NJ DE 003

PA 68-00566

DE Certification - C14DE02801B
MD Certification - 292

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-1
Client Sample ID: 1

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/22/2014 7:49 PM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/22/2014 7:49 PM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/22/2014 7:49 PM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/22/2014 7:49 PM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/22/2014 7:49 PM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/22/2014 7:49 PM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/22/2014 7:49 PM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/22/2014 7:49 PM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/22/2014 7:49 PM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-2
Client Sample ID: 2

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/22/2014 8:16 PM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/22/2014 8:16 PM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/22/2014 8:16 PM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/22/2014 8:16 PM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/22/2014 8:16 PM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/22/2014 8:16 PM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/22/2014 8:16 PM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/22/2014 8:16 PM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/22/2014 8:16 PM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-3
Client Sample ID: 3

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/22/2014 8:43 PM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/22/2014 8:43 PM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/22/2014 8:43 PM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/22/2014 8:43 PM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/22/2014 8:43 PM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/22/2014 8:43 PM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/22/2014 8:43 PM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/22/2014 8:43 PM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/22/2014 8:43 PM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-4
Client Sample ID: 4

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/22/2014 9:10 PM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/22/2014 9:10 PM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/22/2014 9:10 PM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/22/2014 9:10 PM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/22/2014 9:10 PM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/22/2014 9:10 PM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/22/2014 9:10 PM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/22/2014 9:10 PM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/22/2014 9:10 PM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-5
Client Sample ID: 5

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/22/2014 9:37 PM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/22/2014 9:37 PM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/22/2014 9:37 PM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/22/2014 9:37 PM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/22/2014 9:37 PM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/22/2014 9:37 PM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/22/2014 9:37 PM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/22/2014 9:37 PM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/22/2014 9:37 PM

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ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-6
Client Sample ID: 6

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/22/2014 10:03 PM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/22/2014 10:03 PM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/22/2014 10:03 PM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/22/2014 10:03 PM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/22/2014 10:03 PM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/22/2014 10:03 PM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/22/2014 10:03 PM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/22/2014 10:03 PM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/22/2014 10:03 PM

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Charles Morrow
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ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-7
Client Sample ID: 7

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/22/2014 10:30 PM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/22/2014 10:30 PM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/22/2014 10:30 PM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/22/2014 10:30 PM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/22/2014 10:30 PM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/22/2014 10:30 PM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/22/2014 10:30 PM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/22/2014 10:30 PM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/22/2014 10:30 PM

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ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-8
Client Sample ID: 8

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/22/2014 10:57 PM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/22/2014 10:57 PM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/22/2014 10:57 PM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/22/2014 10:57 PM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/22/2014 10:57 PM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/22/2014 10:57 PM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/22/2014 10:57 PM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/22/2014 10:57 PM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/22/2014 10:57 PM

Akhter Mehmood
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ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-9
Client Sample ID: 9

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/22/2014 11:24 PM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/22/2014 11:24 PM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/22/2014 11:24 PM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/22/2014 11:24 PM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/22/2014 11:24 PM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/22/2014 11:24 PM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/22/2014 11:24 PM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/22/2014 11:24 PM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/22/2014 11:24 PM

Akhter Mehmood
Lab Director

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ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-10
Client Sample ID: 10

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/22/2014 11:51 PM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/22/2014 11:51 PM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/22/2014 11:51 PM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/22/2014 11:51 PM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/22/2014 11:51 PM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/22/2014 11:51 PM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/22/2014 11:51 PM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/22/2014 11:51 PM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/22/2014 11:51 PM

Akhter Mehmood
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ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-11
Client Sample ID: 11

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/23/2014 12:18 AM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/23/2014 12:18 AM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 12:18 AM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/23/2014 12:18 AM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/23/2014 12:18 AM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/23/2014 12:18 AM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 12:18 AM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 12:18 AM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/23/2014 12:18 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-12
Client Sample ID: 12

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/23/2014 12:45 AM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/23/2014 12:45 AM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 12:45 AM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/23/2014 12:45 AM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/23/2014 12:45 AM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/23/2014 12:45 AM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 12:45 AM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 12:45 AM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/23/2014 12:45 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-13
Client Sample ID: 13

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/23/2014 1:12 AM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/23/2014 1:12 AM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 1:12 AM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/23/2014 1:12 AM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/23/2014 1:12 AM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/23/2014 1:12 AM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 1:12 AM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 1:12 AM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/23/2014 1:12 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-14
Client Sample ID: 14

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/23/2014 1:39 AM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/23/2014 1:39 AM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 1:39 AM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/23/2014 1:39 AM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/23/2014 1:39 AM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/23/2014 1:39 AM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 1:39 AM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 1:39 AM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/23/2014 1:39 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-15
Client Sample ID: 15

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.250	B C	7/24/2014 1:41 PM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.250	B C	7/24/2014 1:41 PM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.250	B C	7/24/2014 1:41 PM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.250	B C	7/24/2014 1:41 PM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.250	B C	7/24/2014 1:41 PM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.250	B C	7/24/2014 1:41 PM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.250	B C	7/24/2014 1:41 PM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.250	B C	7/24/2014 1:41 PM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.250	B C	7/24/2014 1:41 PM

Akhter Mehmood
Lab Director

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ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-16
Client Sample ID: 16

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 12:04 PM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 12:04 PM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 12:04 PM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/24/2014 12:04 PM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/24/2014 12:04 PM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/24/2014 12:04 PM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 12:04 PM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 12:04 PM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/24/2014 12:04 PM

Akhter Mehmood
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ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-17
Client Sample ID: 17

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 12:31 PM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 12:31 PM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 12:31 PM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/24/2014 12:31 PM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/24/2014 12:31 PM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/24/2014 12:31 PM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 12:31 PM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 12:31 PM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/24/2014 12:31 PM

Akhter Mehmood
Lab Director

Charles Morrow
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ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-18
Client Sample ID: 18

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/23/2014 3:27 AM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/23/2014 3:27 AM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 3:27 AM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/23/2014 3:27 AM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/23/2014 3:27 AM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/23/2014 3:27 AM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 3:27 AM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 3:27 AM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/23/2014 3:27 AM

Akhter Mehmood
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Charles Morrow
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ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-19
Client Sample ID: 19

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/23/2014 3:54 AM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/23/2014 3:54 AM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 3:54 AM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/23/2014 3:54 AM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/23/2014 3:54 AM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/23/2014 3:54 AM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 3:54 AM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 3:54 AM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/23/2014 3:54 AM

Akhter Mehmood
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Charles Morrow
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ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-20
Client Sample ID: 20

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/23/2014 4:22 AM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/23/2014 4:22 AM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 4:22 AM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/23/2014 4:22 AM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/23/2014 4:22 AM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/23/2014 4:22 AM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 4:22 AM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 4:22 AM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/23/2014 4:22 AM

Akhter Mehmood
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Charles Morrow
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ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-21
Client Sample ID: 21

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/23/2014 9:35 PM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/23/2014 9:35 PM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 9:35 PM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/23/2014 9:35 PM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/23/2014 9:35 PM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/23/2014 9:35 PM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 9:35 PM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 9:35 PM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/23/2014 9:35 PM

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ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-22
Client Sample ID: 22

Date Sampled:
Sampled By:
Sample Matrix: Oil
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Oil								
PCB-1016	12674-11-2	ND		mg/kg	8082A	1.00	B C	7/23/2014 10:02 PM
PCB-1221	11104-28-2	ND		mg/kg	8082A	1.00	B C	7/23/2014 10:02 PM
PCB-1232	11141-16-5	ND		mg/kg	8082A	1.00	B C	7/23/2014 10:02 PM
PCB-1242	53469-21-9	ND		mg/kg	8082A	1.00	B C	7/23/2014 10:02 PM
PCB-1248	12672-29-6	ND		mg/kg	8082A	1.00	B C	7/23/2014 10:02 PM
PCB-1254	11097-69-1	ND		mg/kg	8082A	1.00	B C	7/23/2014 10:02 PM
PCB-1260	11096-82-5	ND		mg/kg	8082A	1.00	B C	7/23/2014 10:02 PM
PCB-1262	37324-23-5	ND		mg/kg	8082A	1.00	B C	7/23/2014 10:02 PM
PCB-1268	11100-14-4	ND		mg/kg	8082A	1.00	B C	7/23/2014 10:02 PM

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Charles Morrow
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ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-23
Client Sample ID: 23

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/23/2014 10:29 PM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/23/2014 10:29 PM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 10:29 PM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/23/2014 10:29 PM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/23/2014 10:29 PM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/23/2014 10:29 PM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 10:29 PM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 10:29 PM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/23/2014 10:29 PM

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ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-24
Client Sample ID: 24

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/23/2014 10:56 PM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/23/2014 10:56 PM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 10:56 PM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/23/2014 10:56 PM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/23/2014 10:56 PM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/23/2014 10:56 PM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 10:56 PM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 10:56 PM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/23/2014 10:56 PM

Akhter Mehmood
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ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-25
Client Sample ID: 25

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/23/2014 11:23 PM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/23/2014 11:23 PM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 11:23 PM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/23/2014 11:23 PM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/23/2014 11:23 PM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/23/2014 11:23 PM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 11:23 PM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 11:23 PM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/23/2014 11:23 PM

Akhter Mehmood
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ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-26
Client Sample ID: 26

Date Sampled:
Sampled By:
Sample Matrix: Oil
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Oil								
PCB-1016	12674-11-2	ND		mg/kg	8082A	1.00	B C	7/23/2014 11:50 PM
PCB-1221	11104-28-2	ND		mg/kg	8082A	1.00	B C	7/23/2014 11:50 PM
PCB-1232	11141-16-5	ND		mg/kg	8082A	1.00	B C	7/23/2014 11:50 PM
PCB-1242	53469-21-9	ND		mg/kg	8082A	1.00	B C	7/23/2014 11:50 PM
PCB-1248	12672-29-6	ND		mg/kg	8082A	1.00	B C	7/23/2014 11:50 PM
PCB-1254	11097-69-1	ND		mg/kg	8082A	1.00	B C	7/23/2014 11:50 PM
PCB-1260	11096-82-5	ND		mg/kg	8082A	1.00	B C	7/23/2014 11:50 PM
PCB-1262	37324-23-5	ND		mg/kg	8082A	1.00	B C	7/23/2014 11:50 PM
PCB-1268	11100-14-4	ND		mg/kg	8082A	1.00	B C	7/23/2014 11:50 PM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-27
Client Sample ID: 27

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 12:17 AM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 12:17 AM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 12:17 AM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/24/2014 12:17 AM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/24/2014 12:17 AM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/24/2014 12:17 AM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 12:17 AM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 12:17 AM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/24/2014 12:17 AM

Akhter Mehmood
Lab Director

Charles Morrow
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ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-28
Client Sample ID: 28

Date Sampled:
Sampled By:
Sample Matrix: Oil
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Oil								
PCB-1016	12674-11-2	ND		mg/kg	8082A	1.00	B C	7/24/2014 12:44 AM
PCB-1221	11104-28-2	ND		mg/kg	8082A	1.00	B C	7/24/2014 12:44 AM
PCB-1232	11141-16-5	ND		mg/kg	8082A	1.00	B C	7/24/2014 12:44 AM
PCB-1242	53469-21-9	ND		mg/kg	8082A	1.00	B C	7/24/2014 12:44 AM
PCB-1248	12672-29-6	ND		mg/kg	8082A	1.00	B C	7/24/2014 12:44 AM
PCB-1254	11097-69-1	ND		mg/kg	8082A	1.00	B C	7/24/2014 12:44 AM
PCB-1260	11096-82-5	ND		mg/kg	8082A	1.00	B C	7/24/2014 12:44 AM
PCB-1262	37324-23-5	ND		mg/kg	8082A	1.00	B C	7/24/2014 12:44 AM
PCB-1268	11100-14-4	ND		mg/kg	8082A	1.00	B C	7/24/2014 12:44 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-29
Client Sample ID: 29

Date Sampled:
Sampled By:
Sample Matrix: Oil
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Oil								
PCB-1016	12674-11-2	ND		mg/kg	8082A	1.00	B C	7/24/2014 1:11 AM
PCB-1221	11104-28-2	ND		mg/kg	8082A	1.00	B C	7/24/2014 1:11 AM
PCB-1232	11141-16-5	ND		mg/kg	8082A	1.00	B C	7/24/2014 1:11 AM
PCB-1242	53469-21-9	ND		mg/kg	8082A	1.00	B C	7/24/2014 1:11 AM
PCB-1248	12672-29-6	ND		mg/kg	8082A	1.00	B C	7/24/2014 1:11 AM
PCB-1254	11097-69-1	ND		mg/kg	8082A	1.00	B C	7/24/2014 1:11 AM
PCB-1260	11096-82-5	ND		mg/kg	8082A	1.00	B C	7/24/2014 1:11 AM
PCB-1262	37324-23-5	ND		mg/kg	8082A	1.00	B C	7/24/2014 1:11 AM
PCB-1268	11100-14-4	ND		mg/kg	8082A	1.00	B C	7/24/2014 1:11 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-30
Client Sample ID: 30

Date Sampled:
Sampled By:
Sample Matrix: Oil
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Oil								
PCB-1016	12674-11-2	ND		mg/kg	8082A	1.00	B C	7/24/2014 1:39 AM
PCB-1221	11104-28-2	ND		mg/kg	8082A	1.00	B C	7/24/2014 1:39 AM
PCB-1232	11141-16-5	ND		mg/kg	8082A	1.00	B C	7/24/2014 1:39 AM
PCB-1242	53469-21-9	ND		mg/kg	8082A	1.00	B C	7/24/2014 1:39 AM
PCB-1248	12672-29-6	ND		mg/kg	8082A	1.00	B C	7/24/2014 1:39 AM
PCB-1254	11097-69-1	ND		mg/kg	8082A	1.00	B C	7/24/2014 1:39 AM
PCB-1260	11096-82-5	ND		mg/kg	8082A	1.00	B C	7/24/2014 1:39 AM
PCB-1262	37324-23-5	ND		mg/kg	8082A	1.00	B C	7/24/2014 1:39 AM
PCB-1268	11100-14-4	ND		mg/kg	8082A	1.00	B C	7/24/2014 1:39 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-31
Client Sample ID: 31

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 2:06 AM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 2:06 AM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 2:06 AM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/24/2014 2:06 AM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/24/2014 2:06 AM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/24/2014 2:06 AM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 2:06 AM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 2:06 AM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/24/2014 2:06 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-32
Client Sample ID: 32

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 2:33 AM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 2:33 AM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 2:33 AM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/24/2014 2:33 AM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/24/2014 2:33 AM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/24/2014 2:33 AM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 2:33 AM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 2:33 AM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/24/2014 2:33 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114

Lab Sample #: 41114-33

Client Sample ID: 33

Date Sampled:

Sampled By:

Sample Matrix: Solid

Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:00 AM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:00 AM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:00 AM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:00 AM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:00 AM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:00 AM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:00 AM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:00 AM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:00 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-34
Client Sample ID: 34

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:28 AM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:28 AM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:28 AM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:28 AM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:28 AM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:28 AM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:28 AM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:28 AM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:28 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-35
Client Sample ID: 35

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:55 AM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:55 AM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:55 AM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:55 AM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:55 AM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:55 AM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:55 AM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:55 AM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:55 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114

Lab Sample #: 41114-36

Client Sample ID: 36

Date Sampled:

Sampled By:

Sample Matrix: Solid

Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:22 AM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:22 AM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:22 AM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:22 AM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:22 AM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:22 AM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:22 AM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:22 AM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:22 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-37
Client Sample ID: 37

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:49 AM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:49 AM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:49 AM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:49 AM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:49 AM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:49 AM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:49 AM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:49 AM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:49 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-38
Client Sample ID: 38

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:16 AM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:16 AM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:16 AM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:16 AM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:16 AM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:16 AM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:16 AM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:16 AM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:16 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114

Lab Sample #: 41114-39

Client Sample ID: 39

Date Sampled:

Sampled By:

Sample Matrix: Solid

Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:43 AM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:43 AM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:43 AM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:43 AM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:43 AM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:43 AM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:43 AM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:43 AM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:43 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114

Lab Sample #: 41114-40

Client Sample ID: 40

Date Sampled:

Sampled By:

Sample Matrix: Solid

Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 6:11 AM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 6:11 AM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 6:11 AM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/24/2014 6:11 AM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/24/2014 6:11 AM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/24/2014 6:11 AM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 6:11 AM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 6:11 AM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/24/2014 6:11 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114

Lab Sample #: 41114-41

Client Sample ID: 41

Date Sampled:

Sampled By:

Sample Matrix: Solid

Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/23/2014 1:33 AM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/23/2014 1:33 AM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 1:33 AM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/23/2014 1:33 AM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/23/2014 1:33 AM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/23/2014 1:33 AM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 1:33 AM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 1:33 AM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/23/2014 1:33 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-42
Client Sample ID: 42

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 1:59 AM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 1:59 AM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 1:59 AM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/24/2014 1:59 AM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/24/2014 1:59 AM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/24/2014 1:59 AM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 1:59 AM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 1:59 AM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/24/2014 1:59 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-43
Client Sample ID: 43

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.250	B C	7/24/2014 2:20 PM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.250	B C	7/24/2014 2:20 PM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.250	B C	7/24/2014 2:20 PM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.250	B C	7/24/2014 2:20 PM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.250	B C	7/24/2014 2:20 PM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.250	B C	7/24/2014 2:20 PM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.250	B C	7/24/2014 2:20 PM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.250	B C	7/24/2014 2:20 PM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.250	B C	7/24/2014 2:20 PM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-44
Client Sample ID: 44

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 2:51 AM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 2:51 AM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 2:51 AM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/24/2014 2:51 AM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/24/2014 2:51 AM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/24/2014 2:51 AM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 2:51 AM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 2:51 AM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/24/2014 2:51 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-45
Client Sample ID: 45

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:17 AM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:17 AM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:17 AM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:17 AM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:17 AM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:17 AM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:17 AM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:17 AM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:17 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-46
Client Sample ID: 46

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:43 AM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:43 AM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:43 AM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:43 AM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:43 AM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:43 AM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:43 AM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:43 AM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:43 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-47
Client Sample ID: 47

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:08 AM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:08 AM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:08 AM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:08 AM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:08 AM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:08 AM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:08 AM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:08 AM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:08 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-48
Client Sample ID: 48

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:34 AM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:34 AM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:34 AM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:34 AM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:34 AM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:34 AM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:34 AM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:34 AM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:34 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-49
Client Sample ID: 49

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:00 AM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:00 AM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:00 AM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:00 AM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:00 AM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:00 AM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:00 AM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:00 AM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:00 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-50
Client Sample ID: 50

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:26 AM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:26 AM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:26 AM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:26 AM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:26 AM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:26 AM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:26 AM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:26 AM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:26 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-51
Client Sample ID: 51

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:51 AM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:51 AM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:51 AM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:51 AM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:51 AM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:51 AM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:51 AM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:51 AM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:51 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-52
Client Sample ID: 52

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 6:17 AM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 6:17 AM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 6:17 AM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/24/2014 6:17 AM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/24/2014 6:17 AM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/24/2014 6:17 AM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 6:17 AM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 6:17 AM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/24/2014 6:17 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-53
Client Sample ID: 53

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 6:43 AM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 6:43 AM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 6:43 AM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/24/2014 6:43 AM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/24/2014 6:43 AM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/24/2014 6:43 AM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 6:43 AM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 6:43 AM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/24/2014 6:43 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-54
Client Sample ID: 54

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 7:09 AM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 7:09 AM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 7:09 AM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/24/2014 7:09 AM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/24/2014 7:09 AM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/24/2014 7:09 AM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 7:09 AM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 7:09 AM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/24/2014 7:09 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-55
Client Sample ID: 55

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 7:34 AM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 7:34 AM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 7:34 AM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/24/2014 7:34 AM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/24/2014 7:34 AM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/24/2014 7:34 AM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 7:34 AM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 7:34 AM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/24/2014 7:34 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-56
Client Sample ID: 61

Date Sampled:
Sampled By:
Sample Matrix: Wipes
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Wipe								
PCB-1016	12674-11-2	ND		ug/wipe	8082A	1.00	B C	7/24/2014 8:00 AM
PCB-1221	11104-28-2	ND		ug/wipe	8082A	1.00	B C	7/24/2014 8:00 AM
PCB-1232	11141-16-5	ND		ug/wipe	8082A	1.00	B C	7/24/2014 8:00 AM
PCB-1242	53469-21-9	ND		ug/wipe	8082A	1.00	B C	7/24/2014 8:00 AM
PCB-1248	12672-29-6	ND		ug/wipe	8082A	1.00	B C	7/24/2014 8:00 AM
PCB-1254	11097-69-1	ND		ug/wipe	8082A	1.00	B C	7/24/2014 8:00 AM
PCB-1260	11096-82-5	ND		ug/wipe	8082A	1.00	B C	7/24/2014 8:00 AM
PCB-1262	37324-23-5	ND		ug/wipe	8082A	1.00	B C	7/24/2014 8:00 AM
PCB-1268	11100-14-4	ND		ug/wipe	8082A	1.00	B C	7/24/2014 8:00 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-57
Client Sample ID: 62

Date Sampled:
Sampled By:
Sample Matrix: Wipes
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Wipe								
PCB-1016	12674-11-2	ND		ug/wipe	8082A	1.00	B C	7/24/2014 8:26 AM
PCB-1221	11104-28-2	ND		ug/wipe	8082A	1.00	B C	7/24/2014 8:26 AM
PCB-1232	11141-16-5	ND		ug/wipe	8082A	1.00	B C	7/24/2014 8:26 AM
PCB-1242	53469-21-9	ND		ug/wipe	8082A	1.00	B C	7/24/2014 8:26 AM
PCB-1248	12672-29-6	ND		ug/wipe	8082A	1.00	B C	7/24/2014 8:26 AM
PCB-1254	11097-69-1	ND		ug/wipe	8082A	1.00	B C	7/24/2014 8:26 AM
PCB-1260	11096-82-5	ND		ug/wipe	8082A	1.00	B C	7/24/2014 8:26 AM
PCB-1262	37324-23-5	ND		ug/wipe	8082A	1.00	B C	7/24/2014 8:26 AM
PCB-1268	11100-14-4	ND		ug/wipe	8082A	1.00	B C	7/24/2014 8:26 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-58
Client Sample ID: 63

Date Sampled:
Sampled By:
Sample Matrix: Wipes
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Wipe								
PCB-1016	12674-11-2	ND		ug/wipe	8082A	1.00	B C	7/24/2014 8:51 AM
PCB-1221	11104-28-2	ND		ug/wipe	8082A	1.00	B C	7/24/2014 8:51 AM
PCB-1232	11141-16-5	ND		ug/wipe	8082A	1.00	B C	7/24/2014 8:51 AM
PCB-1242	53469-21-9	ND		ug/wipe	8082A	1.00	B C	7/24/2014 8:51 AM
PCB-1248	12672-29-6	ND		ug/wipe	8082A	1.00	B C	7/24/2014 8:51 AM
PCB-1254	11097-69-1	ND		ug/wipe	8082A	1.00	B C	7/24/2014 8:51 AM
PCB-1260	11096-82-5	ND		ug/wipe	8082A	1.00	B C	7/24/2014 8:51 AM
PCB-1262	37324-23-5	ND		ug/wipe	8082A	1.00	B C	7/24/2014 8:51 AM
PCB-1268	11100-14-4	ND		ug/wipe	8082A	1.00	B C	7/24/2014 8:51 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-59
Client Sample ID: 64

Date Sampled:
Sampled By:
Sample Matrix: Wipes
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Wipe								
PCB-1016	12674-11-2	ND		ug/wipe	8082A	1.00	B C	7/24/2014 9:17 AM
PCB-1221	11104-28-2	ND		ug/wipe	8082A	1.00	B C	7/24/2014 9:17 AM
PCB-1232	11141-16-5	ND		ug/wipe	8082A	1.00	B C	7/24/2014 9:17 AM
PCB-1242	53469-21-9	ND		ug/wipe	8082A	1.00	B C	7/24/2014 9:17 AM
PCB-1248	12672-29-6	ND		ug/wipe	8082A	1.00	B C	7/24/2014 9:17 AM
PCB-1254	11097-69-1	ND		ug/wipe	8082A	1.00	B C	7/24/2014 9:17 AM
PCB-1260	11096-82-5	ND		ug/wipe	8082A	1.00	B C	7/24/2014 9:17 AM
PCB-1262	37324-23-5	ND		ug/wipe	8082A	1.00	B C	7/24/2014 9:17 AM
PCB-1268	11100-14-4	ND		ug/wipe	8082A	1.00	B C	7/24/2014 9:17 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-60
Client Sample ID: 65

Date Sampled:
Sampled By:
Sample Matrix: Wipes
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Wipe								
PCB-1016	12674-11-2	ND		ug/wipe	8082A	1.00	B C	7/24/2014 9:42 AM
PCB-1221	11104-28-2	ND		ug/wipe	8082A	1.00	B C	7/24/2014 9:42 AM
PCB-1232	11141-16-5	ND		ug/wipe	8082A	1.00	B C	7/24/2014 9:42 AM
PCB-1242	53469-21-9	ND		ug/wipe	8082A	1.00	B C	7/24/2014 9:42 AM
PCB-1248	12672-29-6	ND		ug/wipe	8082A	1.00	B C	7/24/2014 9:42 AM
PCB-1254	11097-69-1	ND		ug/wipe	8082A	1.00	B C	7/24/2014 9:42 AM
PCB-1260	11096-82-5	ND		ug/wipe	8082A	1.00	B C	7/24/2014 9:42 AM
PCB-1262	37324-23-5	ND		ug/wipe	8082A	1.00	B C	7/24/2014 9:42 AM
PCB-1268	11100-14-4	ND		ug/wipe	8082A	1.00	B C	7/24/2014 9:42 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-61
Client Sample ID: 66

Date Sampled:
Sampled By:
Sample Matrix: Wipes
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Wipe								
PCB-1016	12674-11-2	ND		ug/wipe	8082A	1.00	B C	7/24/2014 10:08 AM
PCB-1221	11104-28-2	ND		ug/wipe	8082A	1.00	B C	7/24/2014 10:08 AM
PCB-1232	11141-16-5	ND		ug/wipe	8082A	1.00	B C	7/24/2014 10:08 AM
PCB-1242	53469-21-9	ND		ug/wipe	8082A	1.00	B C	7/24/2014 10:08 AM
PCB-1248	12672-29-6	ND		ug/wipe	8082A	1.00	B C	7/24/2014 10:08 AM
PCB-1254	11097-69-1	ND		ug/wipe	8082A	1.00	B C	7/24/2014 10:08 AM
PCB-1260	11096-82-5	ND		ug/wipe	8082A	1.00	B C	7/24/2014 10:08 AM
PCB-1262	37324-23-5	ND		ug/wipe	8082A	1.00	B C	7/24/2014 10:08 AM
PCB-1268	11100-14-4	ND		ug/wipe	8082A	1.00	B C	7/24/2014 10:08 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-62
Client Sample ID: 67

Date Sampled:
Sampled By:
Sample Matrix: Wipes
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Wipe								
PCB-1016	12674-11-2	ND		ug/wipe	8082A	1.00	B C	7/24/2014 10:34 AM
PCB-1221	11104-28-2	ND		ug/wipe	8082A	1.00	B C	7/24/2014 10:34 AM
PCB-1232	11141-16-5	ND		ug/wipe	8082A	1.00	B C	7/24/2014 10:34 AM
PCB-1242	53469-21-9	ND		ug/wipe	8082A	1.00	B C	7/24/2014 10:34 AM
PCB-1248	12672-29-6	ND		ug/wipe	8082A	1.00	B C	7/24/2014 10:34 AM
PCB-1254	11097-69-1	ND		ug/wipe	8082A	1.00	B C	7/24/2014 10:34 AM
PCB-1260	11096-82-5	ND		ug/wipe	8082A	1.00	B C	7/24/2014 10:34 AM
PCB-1262	37324-23-5	ND		ug/wipe	8082A	1.00	B C	7/24/2014 10:34 AM
PCB-1268	11100-14-4	ND		ug/wipe	8082A	1.00	B C	7/24/2014 10:34 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Methodology

All analyses are adapted from one or more of the following reference methods:

"Guidelines Establishing Test Procedures for the Analysis of Pollutants"' Code of Federal Regulations, Vol. 40, Part 136
"Test Methods for Evaluating Solid Waste", SW846 Third Edition, September 1986, USEPA.
Code of Federal Regulations Vol. 40, Part 261, "Appendix II Method 1311 Toxicity Characteristic Leaching Procedure."
Standard Methods for the Examination of Water and Wastewater", 18th & 21st editions
"Methods for the Chemical Analysis of Water and Wastes", EPA600/4-79-020, March 1983, U.S. EPA, EMSL
"Annual Book of Standards, Section 11-Water", American Society for Testing and Materials (ASTM)
"Methods for the Determination of Organic Compounds in Drinking Water", EPA 600/4-88/039, December 1988

Qualifiers

B	Detected in method blank	E	Detected above calibration limits, result estimated
H	Parameter run out of hold time	J	Detected below PQL, result estimated
P	Incorrect Preservative	R	See report notes
SUB	Sub-Contracted to Certified Lab	N	Not NELAP/TNI certified for parameter
C	NELAP/TNI certification Not Available		

Abbreviations

ppm	Parts Per Million (mg/kg or mg/L)	PQL	Practical Quantitation Level
ppb	Parts Per Billion (ug/kg or ug/L)	attached	Subcontract Lab Report Attached
g	gram (1000 g = 1Kg)	ND	Not Detected
kg	kilogram (1 kg = 1000 g)	NA	Not Applicable
mg	milligram (1000 mg = 1 g)	NS	Not Spiked
mg/kg	milligram per kilogram (ppm)	NP	No PCB pattern detected
ug/kg	microgram per kilogram (ppb)	NR	Not Requested
ug	microgram (1000 ug = 1 mg)	NI	Not Ignitable
L	liter (1 L = 1000 mL)	NFL	No Free Liquid
ml	milliliter (1000 ml = 1 L)	NTU	Nephelometric Turbidity Units
ul	microliter (1000 ul = 1 ml)	S.U.	Standard Unit
mg/L	milligram per liter (ppm)	RPD	Relative Percent Difference
ug/L	microgram per liter (ppb)	RSD	Relative Standard Deviation
ng/kg	nanogram per kilogram	MS/MSD	Matrix Spike/Matrix Spike Duplicate
BTU/lb	British Thermal Units per pound	LCS	Laboratory Control Sample
CFU/mL	Colony Forming Units per milliliter	BS	Blank Spike (Method Spike)
MPN/100 ml	Most Probable Number per 100 mL	o F	degrees Fahrenheit
mS/cm	milli Siemans per centimeter	o C	degrees Celsius
uS/cm	micro Siemans per centimeter	umhos	Conductivity Units
ug/sq cm	microgram per square centimeter	ohms	Resistivity Units
ug/sq ft	microgram per square feet	RL	Reporting Limit
ug/wipe	microgram per wipe	P/N	Positive / Negative

Note: All non-aqueous samples, with the exception of oils, wipes, and paint chips are dry weight corrected
PQL-The Practical Quantitation Limit (PQL) is the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions.

RL-Reporting Limit is greater than or equal to PQL.

Mid-Atlantic
Environmental Laboratories, Inc.
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New Castle, DE 19720-2700
Phone: 302-654-1340 TOLL FREE: 877-654-1340
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www.maelinc.com
mael@maelinc.com

CHAIN OF CUSTODY

Lab Use Only
Job # 41114

Client Name: Global - NISMO	Invoice To: Global	Sample On Ice: ☐ Yes x No	Data Format Requested: ☐ Results Only	Report Format: ☐ Fax
Address: 4701 S. 16th Street	Purchase Order #: PHL14-0377	Sample Disposal: ☐ Client X MAEL	x QC Package	X E-mail PDF
	Project Name: ex-HAWES FFG-53	Site Location: ☐ NJ X PA ☐ DE ☐ MD ☐ Other	☐ NJRDD + Hazsite ☐ NJFDD + Hazsite ☐ MDE	☐ Portal Posting Only
City, State, Zip: Philadelphia, PA 19112	Bottle Order # Quote # 20140630J		☐ Excel Summary	

Contact Name: Jim Sirles
Phone # 215-897-6753
Fax # 215-897-6297
E-mail: james.sirles.ctr@navy.mil
Remarks: SEE ATTACHED SAMPLING LOG

Regulatory Program
☐ DERBCAP ☐ PA UST
☐ PA Clean Fill ☐ PA ACT II
☐ NJGWQC ☐ NJ SRP
☐ NJ UST ☐ MDE
☐ Site Specific ☐ Non regulatory
☐ Other (Specify): NAVSEA

Failure to include regulatory program may result in PQLs incompatible to regulatory limit. If not specified, assumed to be non-regulatory.

Turn Around Time
☐ <24 Hours (Same Day)
☐ 24 Hours (Next Day)
☐ 48 Hours (2 Days)
☐ 72 Hours (3 Days)
☐ 96 Hours (4 Days)
X Standard (1 Week)
☐ 2 Weeks
☐ Other – Specify

Laboratory Sample #	Client Sample ID	Sampling Info Date	Sampling Info Time	AM PM	Sampled By:	Sample Type Grab	Sample Type Comp	Matrix	# Cntrs	Analysis Requested
41114-1-62										

Bottles Supplied By MAEL? Yes NoX	Logged By: Wayne Wh 7/17/14	QA Reviewed:	Page of
Relinquished By: James Sirles	Date: 7/17/14 Time: 1935	Received By:	Date: 7/17/14 Time: 14:35
Relinquished By:	Date: 7/17/14 Time: 15:35	Received By: Wayne Wh	Date: 7/17/14 Time: 15:35

All samples are disposed 30 days after receipt unless otherwise requested. By signing this Chain of Custody Agreement, customer expressly agrees to pay Mid-Atlantic Environmental Laboratories, Inc. for all changes reasonably incurred in connection with analysis and reporting of these samples

Sample Temperature	
Temp as Read	
Temp Corrected	

NJSE Certified DE NJ

DE certification - MD certification

ADDENDUM TO POLYCHLORINATED BIPHENYL SAMPLING AND ANALYSIS LOGIN SHEETS AND ANALYSIS REPORT _____of

Subj: PCB SAMPLING AND ANALYSIS SURVEY FOR **ex- HAWES FFG-53**
Ref: (a) COMNAVSEASYSCOM WASHINGTON DC ltr 4770 Ser 00T/248 of 21 Sep 95
(Subj: NAVSEA PCB Advisory 95-1)

1. The following statement is provided regarding the number of samples taken as required by reference (a):

20 Samples of ELECTRICAL CABLE were taken

10 Samples of VENTILATION DUCT GASKETS were taken.

5 Samples of BULKHEAD INSULATION were taken

10 Samples of OILS AND GREASES were taken.

5 Samples of DOUBLE-BACKED ADHESIVE TAPE were taken

0 Sample of ALUMINIZED PAINT were taken

5 Samples of RUBBER APPLICATIONS (i.e., shock mounts, hatch gaskets, pipe hangars, etc.) were taken

7 Quality Control Samples (FIELD BLANKS and TOOL CHECKS) were taken.

2. A representative sample was taken of each of the applications identified above. No other applications meeting the criteria of reference (a) were available for sampling on board.

JAMILE KING	GEORGE GOINS
SAMPLER(S)	SAMPLER(S)
Printed Name	Printed Name

Vessel Name and Hull Number: ex- HAWES FFG-53

ELECTRICAL CABLING SAMPLING LOG-IN SHEET (20 Samples required)					
Smpl No.	Smpl Date Time	Location (Compartment Name/Number)	DESCRIPTION OF CABLE (Size, Color, Manufacturer, MIL-SPEC, etc) Sample Size: 2-1/2" x 1/4"	Cable Year	Result
1	7/10/14 0856	CIC 01-113-0-C	GRAY, CHESTER CABLE MNW-7 SPL PVC 1-1/4"	1981	
2	7/10/14 0915	SONAR CONTROL 01-140-0-C	BLACK, OKONITE CO. PLT 3 LS-TSGU-50 MZ4643/16-U6UN 2-1/2"	1987	
3	7/10/14 0932	RADIO 01-156-0-C	BLACK, MONROE CABLE CO, INC LS2U-15 M24643145-02U0XL POLY, 1-1/2"	1998	
4	7/10/14 0943	TRANSMITTER ROOM 01-156-1-C	GRAY, CHESTER CABLE MNW-10 SPL PVC 1"	1981	
5	7/10/14 1053	NAV AIR 01-180-0-Q	GRAY, COLLYERSSGU-50 SPL PVC 1-1/4"	1984	
6	7/10/14 1230	RICER 1-100-0-Q	BLACK, CONTINENTAL CABLE LSTSGU MZ464/16-01UN XL POLYO 1-1/4"	1992	
7	7/10/14 1309	TACTAS 2-388-2-Q	BLACK, AIW CORP TYPE LSTNW-3 M24643/48 01UN XLPOLYO 1"	1988	
8	7/10/14 1328	COC 2-328-0-Q	BLACK, BICC CRAND REX LSTTSU M24643/23-01UN XLPOLYO 1-1/2"	1998	
9	7/10/14 1430	MEDICAL 2-152-2-L	GRAY, BRAND REX TTSU-SP-L PVC 1-1/2"	1982	
10	7/10/14 1445	REPAIR #2 2-55-1-A	BLACK, COLLYER LSDGU-3 M24643/15-01UN ¾"	1980	
11	7/11/14 0747	REPAIR #2 2-55-1-A	BLACK, CAROL CABLE CO WEST THOF-42 NEOP 2-1/2"	1982	

Vessel Name and Hull Number: ex- HAWES FFG-53

ELECTRICAL CABLING SAMPLING LOG-IN SHEET (20 Samples required)					
Smpl No.	Smpl Date Time	Location (Compartment Name/Number)	DESCRIPTION OF CABLE (Size, Color, Manufacturer, MIL-SPEC, etc) Sample Size: 2-1/2" x 1/4"	Cable Year	Result
12	7/11/14 0754	PASSAGEWAY 2-40-2-L	GRAY, COLLYER CO TSGU-75 SPL PVC 2-1/2"	1982	
13	7/11/14 0802	CSMC/IC GYRO 2-79-0-C	BLACK MONROE CABLE CO LS3SU-3 M24643 XLPOLYO ¾"COLLYER LSTSGU-23-246 43-26-05 UN 2"	1987	
14	7/11/14 0808	CSMC/IC GYRO 2-79-0-C	BLACK, COLLYER LSTSGU-23-246 43-26-05 UN 2"	1987	
15	7/11/14 0815	PASSAGEWAY 2-140-01-L	BLACK, COLLYER TSOF-42-STD PVC 2-1/2"	1981	
16	7/11/14 0825	TRUNK 2-187-2-T	WHITE, MONROE CABLE CO LSTSGU-14-M24643/16-04UN 1-1/2"	2004	
17	7/11/14 0830	AUX MACHINERY ROOM #2 5-212-0-E	BLACK, MONROE CO LSTTUS M2463/23 XLPOLYO 1-1/2"	2002	
18	7/11/14 0835	AUX MACHINERY ROOM #2 5-212-0-E	BLACK, MONROE CABLE CORP LSDHOF-4 M24643/3	1992	
19	7/11/14 0840	MAIN ENGINE ROOM U/L 5-250-0-E	BLACK, BICC GENERAL LSDSGU-100 M24643/16 2-1/2"	2001	
20	7/11/14 0910	TACTAS 2-388-2-Q	GRAY, PLASTOID CO PP2855 ½"	1986	

Vessel Name and Hull Number: ex- HAWES FFG-53

OIL SAMPLING LOG-IN SHEET (5 Samples of Oil and 5 Samples of Grease Required)				
Smpl No.	Smpl Date Time	Location (Compartment Name/Number)	DESCRIPTION OF OILS/GREASES (Lube, Hydraulic Oils and/or grease and equipment retrieved from): Sample Size: 1/4" to 1"depth	Result
21	7/11/14 1025	AVIATION STOREROOM #3 2-407-0-A	GREASE, AFT CAPSTAN,	
22	7/11/14 1033	AFTER STEERING 5-368-01-E	HYDRAULIC OIL, STEERING GEAR	
23	7/11/14 1040	AFTER STEERING 5-368-01-E	GREASE, STEERING GEAR	
24	7/11/14 1048	RAST MACHINERY ROOM 2-388-0-E	GREASE, RAST MOTOR	
25	7/11/14 1244	AUX MACHINERY ROOM #1 5-180-0-E	GREASE, FIN SYST. INBOARD BEARING	
26	7/11/14 1306	MAIN ENGINE ROOM L/L 5-250-0-E	LUBE OIL, LUBE PUMP FILTER SYSTEM	
27	7/11/14 1321	NIXIE ROOM #2 2-397-1-Q	GREASE, NIXIE WINCH BRAKE	
28	7/11/14 1359	AUX MACHINERY ROOM #1 5-212-0-E	LUBE OIL, GENERATOR	
29	7/11/14 1416	PASSAGEWAY 1-212-0-L	HYDRAULIC OIL, PORT BYPASS VALVE	
30	7/11/14 1437	GENERAL WORKSHOP 2-292-2-Q	LUBE OIL, LUBE OIL STORAGE TANK	

Vessel Name and Hull Number: ex- HAWES FFG-53

VENTILATION GASKET SAMPLING LOG-IN SHEET 10 Samples Required				
Smpl No.	Smpl Date Time	Location (Compartment Name/Number)	DESCRIPTION OF VENTILATION GASKET (Rubber/Wool Felt, etc) Sample Size: 2" Strip	Result
31	7/14/14 0752	MK-92 EQUIP. ROOM 02-116-1-Q	BLACK RUBBER	
32	7/14/14 0815	SONAR CONTROL 01-140-0-C	BLACK RUBBER	
33	7/14/14 0823	CMC OFFICE 01-204-2-Q	BLACK RUBBER	
34	7/14/14 0840	PASSAGEWAY 1-212-0-L	BLACK RUBBER	
35	7/14/14 0853	WINDLASS ROOM 2-32-0-Q	BLACK RUBBER	
36	7/14/14 0912	CCS 2-292-01-C	BLACK RUBBER	
37	7/14/14 0921	REPAIR #3 2-344-2-A	BLACK RUBBER	
38	7/14/14 0930	NIXIE ROOM #2 2-397-1-Q	BLACK RUBBER	
39	7/14/14 0942	PASSAGEWAY 1-108-2-L	BLACK RUBBER	
40	7/14/14 0953	PASSAGEWAY 3-188-0-L	BLACK RUBBER	

Vessel Name and Hull Number: ex- HAWES FFG-53

BULKHEAD INSULATION SAMPLING LOG-IN SHEET (5 Samples Required)				
Smpl No.	Smpl Date Time	Location (Compartment Name/Number)	DESCRIPTION OF INSULATION (Type, Color, Etc.) Sample Size: 2-1/2" x 1/2"	Result
41	7/14/14 1020	SWITCHBOARD #1 3-180-2-C	YELLOW THERMAL	
42	7/14/14 1026	CCS 2-292-01-C	YELLOW ACOUSTIC	
43	7/14/14 1035	ELECTRICAL SHOP 2-316-2-Q	YELLOW THERMAL	
44	7/14/14 1043	TACTAS 2-388-2-Q	YELLOW THERMAL	
45	7/14/14 1054	FAN ROOM 2-244-2-Q	YELLOW ACOUSTIC	

RUBBER APPLICATION SAMPLING LOG-IN SHEET (5 Samples Required)				
Smpl No.	Smpl Date Time	Location (Compartment Name/Number)	DESCRIPTION (SEE NOTE BELOW) Sample Size: 2-1/2" x 1/2"	Result
46	7/14/14 1245	CIC 01-113-0-C	BLACK RUBBER, ELECTRICAL CHANNEL	
47	7/14/14 1303	PILOT HOUSE 02-100-0-C	BLACK RUBBER , SHOCK MOUNT	
48	7/14/14 1310	STIR 01-193-0-Q	BLACK RUBBER, PIPE HANGER	
49	7/14/14 1321	ARMORY 2-48-1-A	BLACK RUBBER, ELECTRICAL CHANNEL	
50	7/14/14 1337	PASSAGEWAY 2-368-01-L	BLACK RUBBER, PIPE HANGER	

Rubber applications (high temperature applications) include but are not limited to:
Isolation shock mounts for electronic equipment
Pipe Block hangers
Pipe hangar lines
NOT VENTILATION GASKETS

Vessel Name and Hull Number: ex- HAWES FFG-53

DOUBLE-BACKED ADHESIVE TAPE SAMPLING LOG-IN SHEET (5 Samples Required)				
Smpl No.	Smpl Date Time	Location (Compartment Name/Number)	DESCRIPTION OF EQUIPMENT (Where Retrieved and color) Sample Size: Strip	Result
51	7/14/14 1350	CIWS VESTUBULE 01-308-1-T	COMPARTMENT CHECKOFF LIST, BLACK TAPE	
52	7/14/14 1418	BERTHING 2-100-01-L	COMPARTMENT CHECKOFF LIST, BLACK TAPE	
53	7/14/14 1423	CLEANING GEAR STOREROOM 3-56-0-A	COMPARTMENT CHECKOFF LIST, BLACK TAPE	
54	7/14/14 1434	BARBER SHOP 2-140-0-Q	COMPARTMENT CHECKOFF LIST, BLACK TAPE	
55	7/14/14 1445	LAN STOREROOM 2-328-0-Q	COMPARTMENT CHECKOFF LIST, BLACK TAPE	

ALUMINIZED PAINT SAMPLING LOG-IN SHEET (5 Samples Required)				
Smpl No.	Smpl Date Time	Location (Compartment Name/Number)	DESCRIPTION OF EQUIPMENT WHERE RETRIEVED Sample Size: 1/8" to 1/4" depth in container	Result
56			NO ALUMINIZED PAINT OBSERVED ON BOARD	
57			NO ALUMINIZED PAINT OBSERVED ON BOARD	
58			NO ALUMINIZED PAINT OBSERVED ON BOARD	
59			NO ALUMINIZED PAINT OBSERVED ON BOARD	
60			NO ALUMINIZED PAINT OBSERVED ON BOARD	

Vessel Name and Hull Number: ex- HAWES FFG-53

FIELD BLANKS SAMPLING LOG-IN SHEET (2 Samples required: One after the 30th Sample and one after the last solid sample taken)				
Smpl No.	Smpl Date Time	Location (Compartment Name/Number)	DESCRIPTION	Result
FB-61	7/11/14 1439	GENERAL WORKSHOP 2-292-2-Q	AFTER SAMPLE 30	
FB-62	7/14/14 1500	LAN STOREROOM 2-328-0-Q	AFTER SAMPLE 55	

TOOL CHECKS SAMPLING LOG-IN SHEET (5 Samples required; One after every 10 Solid Samples and one after the last solid sample taken)				
Smpl No.	Smpl Date Time	Location (Compartment Name/Number)	DESCRIPTION	Result
TC-63	7/10/14 1450	REPAIR #2 2-55-1-A	TOOL BLANK #1	
TC-64	7/11/14 0915	TACTAS 2-388-2-Q	TOOL BLANK #2	
TC-65	7/14/14 0957	PASSAGEWAY 3-188-0-L	TOOL BLANK #3	
TC-66	7/14/14 1340	PASSAGEWAY 2-368-01-L	TOOL BLANK #4	
TC-67	7/14/14 1457	SHIP'S OFFICE 2-328-0-Q	TOOL BLANK #5	

Mid-Atlantic
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www.maelinc.com
mael@maelinc.com

CHAIN OF CUSTODY

Lab Use Only

Job # _____

Client Name: Global - NISMO	Invoice To: Global	**Sample On Ice** ☐ Yes x No **Sample Disposal** ☐ Client X MAEL	**Data Format Requested** ☐ Results Only x QC Package ☐ NJRDD + Hazsite ☐ NJFDD + Hazsite ☐ MDE ☐ Excel Summary	**Report Format** ☐ Fax X E-mail PDF ☐ Portal Posting Only
Address: 4701 S. 16th Street	Purchase Order #: PHL14-0377			
	Project Name: ex-HAWES FFG-53	**Site Location** ☐ NJ X PA ☐ DE ☐ MD ☐ Other		
City, State, Zip: Philadelphia, PA 19112	Bottle Order # Quote # 20140630J			
Contact Name: Jim Sirles	**Regulatory Program** ☐ DERBCAP ☐ PA UST ☐ PA Clean Fill ☐ PA ACT II ☐ NJGWQC ☐ NJ SRP ☐ NJ UST ☐ MDE ☐ Site Specific ☐ Non regulatory ☐ Other (Specify): NAVSEA Failure to include regulatory program may result in PQLs incompatible to regulatory limit. If not specified, assumed to be non-regulatory.	**Turn Around Time** ☐ <24 Hours (Same Day) ☐ 24 Hours (Next Day) ☐ 48 Hours (2 Days) ☐ 72 Hours (3 Days) ☐ 96 Hours (4 Days) X Standard (1 Week) ☐ 2 Weeks ☐ Other – Specify		
Phone # 215-897-6753				
Fax # 215-897-6297				
E-mail: james.sirles.ctr@navy.mil				
Remarks: SEE ATTACHED SAMPLING LOG				

Laboratory Sample #	Client Sample ID	Sampling Info Date	Sampling Info Time	AM PM	Sampled By:	Sample Type Grab	Sample Type Comp	Matrix	# Cntrs	Analysis Requested

Bottles Supplied By MAEL? Yes NoX	Logged By:		QA Reviewed:	Page of	
Relinquished By: James Sirles	Date: 7/17/14	Time: 1435	Received By:	Date: 7/17/14	Time: 14:35
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

All samples are disposed 30 days after receipt unless otherwise requested. By signing this Chain of Custody Agreement, customer expressly agrees to pay Mid-Atlantic Environmental Laboratories, Inc. for all charges reasonably incurred in connection with analysis and reporting of these samples

Mid Certified DE NJ

NJ - 32693 PA 68-01566

DE certification
MD certification

Sample Temperature	
Temp as Read	
Temp Corrected	

ADDENDUM TO POLYCHLORINATED BIPHENYL SAMPLING AND ANALYSIS LOGIN SHEETS AND ANALYSIS REPORT _____**of**

Subj: PCB SAMPLING AND ANALYSIS SURVEY FOR **ex- HAWES FFG-53**
Ref: (a) COMNAVSEASYSCOM WASHINGTON DC ltr 4770 Ser 00T/248 of 21 Sep 95
(Subj: NAVSEA PCB Advisory 95-1)

1. The following statement is provided regarding the number of samples taken as required by reference (a):

20 Samples of ELECTRICAL CABLE were taken

10 Samples of VENTILATION DUCT GASKETS were taken.

5 Samples of BULKHEAD INSULATION were taken

10 Samples of OILS AND GREASES were taken.

5 Samples of DOUBLE-BACKED ADHESIVE TAPE were taken

0 Sample of ALUMINIZED PAINT were taken

5 Samples of RUBBER APPLICATIONS (i.e., shock mounts, hatch gaskets, pipe hangars, etc.) were taken

7 Quality Control Samples (FIELD BLANKS and TOOL CHECKS) were taken.

2. A representative sample was taken of each of the applications identified above. No other applications meeting the criteria of reference (a) were available for sampling on board.

JAMILE KING	GEORGE GOINS
SAMPLER(S)	SAMPLER(S)
Printed Name	Printed Name

Vessel Name and Hull Number: ex- HAWES FFG-53

ELECTRICAL CABLING SAMPLING LOG-IN SHEET
(20 Samples required)

Smpl No.	Smpl Date Time	Location (Compartment Name/Number)	DESCRIPTION OF CABLE (Size, Color, Manufacturer, MIL-SPEC, etc) Sample Size: 2-1/2" x 1/4"	Cable Year	Result
1	7/10/14 0856	CIC 01-113-0-C	GRAY, CHESTER CABLE MNW-7 SPL PVC 1-1/4"	1981	
2	7/10/14 0915	SONAR CONTROL 01-140-0-C	BLACK, OKONITE CO. PLT 3 LS-TSGU-50 MZ4643/16-U6UN 2-1/2"	1987	
3	7/10/14 0932	RADIO 01-156-0-C	BLACK, MONROE CABLE CO, INC LS2U-15 M24643145-02U0XL POLY, 1-1/2"	1998	
4	7/10/14 0943	TRANSMITTER ROOM 01-156-1-C	GRAY, CHESTER CABLE MNW-10 SPL PVC 1"	1981	
5	7/10/14 1053	NAV AIR 01-180-0-Q	GRAY, COLLYERSSGU-50 SPL PVC 1-1/4"	1984	
6	7/10/14 1230	RICER 1-100-0-Q	BLACK, CONTINENTAL CABLE LSTSGU M2464/16-01UN XL POLYO 1-1/4"	1992	
7	7/10/14 1309	TACTAS 2-388-2-Q	BLACK, AIW CORP TYPE LSTNW-3 M24643/48 01UN XLPOLYO 1"	1988	
8	7/10/14 1328	COC 2-328-0-Q	BLACK, BICC CRAND REX LSTTSU M24643/23-01UN XLPOLYO 1-1/2"	1998	
9	7/10/14 1430	MEDICAL 2-152-2-L	GRAY, BRAND REX TTSU-SP-L PVC 1-1/2"	1982	
10	7/10/14 1445	REPAIR #2 2-55-1-A	BLACK, COLLYER LSDGU-3 M24643/15-01UN ¾"	1980	
11	7/11/14 0747	REPAIR #2 2-55-1-A	BLACK, CAROL CABLE CO WEST THOF-42 NEOP 2-1/2"	1982	

Vessel Name and Hull Number: ex- HAWES FFG-53

ELECTRICAL CABLING SAMPLING LOG-IN SHEET
(20 Samples required)

Smpl No.	Smpl Date Time	Location (Compartment Name/Number)	DESCRIPTION OF CABLE (Size, Color, Manufacturer, MIL-SPEC, etc) Sample Size: 2-1/2" x 1/4"	Cable Year	Result
12	7/11/14 0754	PASSAGEWAY 2-40-2-L	GRAY, COLLYER CO TSGU-75 SPL PVC 2-1/2"	1982	
13	7/11/14 0802	CSMC/IC GYRO 2-79-0-C	BLACK MONROE CABLE CO LS3SU-3 M24643 XLPOLYO ¾"COLLYER LSTSGU-23-246 43-26-05 UN 2"	1987	
14	7/11/14 0808	CSMC/IC GYRO 2-79-0-C	BLACK, COLLYER LSTSGU-23-246 43-26-05 UN 2"	1987	
15	7/11/14 0815	PASSAGEWAY 2-140-01-L	BLACK, COLLYER TSOF-42-STD PVC 2-1/2"	1981	
16	7/11/14 0825	TRUNK 2-187-2-T	WHITE, MONROE CABLE CO LSTSGU-14-M24643/16-04UN 1-1/2"	2004	
17	7/11/14 0830	AUX MACHINERY ROOM #2 5-212-0-E	BLACK, MONROE CO LSTTUS M2463/23 XLPOLYO 1-1/2"	2002	
18	7/11/14 0835	AUX MACHINERY ROOM #2 5-212-0-E	BLACK, MONROE CABLE CORP LSDHOF-4 M24643/3	1992	
19	7/11/14 0840	MAIN ENGINE ROOM U/L 5-250-0-E	BLACK, BICC GENERAL LSDSGU-100 M24643/16 2-1/2"	2001	
20	7/11/14 0910	TACTAS 2-388-2-Q	GRAY, PLASTOID CO PP2855 ½"	1986	

Vessel Name and Hull Number: ex- HAWES FFG-53

OIL SAMPLING LOG-IN SHEET (5 Samples of Oil and 5 Samples of Grease Required)				
Smpl No.	Smpl Date Time	Location (Compartment Name/Number)	DESCRIPTION OF OILS/GREASES (Lube, Hydraulic Oils and/or grease and equipment retrieved from): Sample Size: 1/4" to 1"depth	Result
21	7/11/14 1025	AVIATION STOREROOM #3 2-407-0-A	GREASE, AFT CAPSTAN,	
22	7/11/14 1033	AFTER STEERING 5-368-01-E	HYDRAULIC OIL, STEERING GEAR	
23	7/11/14 1040	AFTER STEERING 5-368-01-E	GREASE, STEERING GEAR	
24	7/11/14 1048	RAST MACHINERY ROOM 2-388-0-E	GREASE, RAST MOTOR	
25	7/11/14 1244	AUX MACHINERY ROOM #1 5-180-0-E	GREASE, FIN SYST. INBOARD BEARING	
26	7/11/14 1306	MAIN ENGINE ROOM L/L 5-250-0-E	LUBE OIL, LUBE PUMP FILTER SYSTEM	
27	7/11/14 1321	NIXIE ROOM #2 2-397-1-Q	GREASE, NIXIE WINCH BRAKE	
28	7/11/14 1359	AUX MACHINERY ROOM #1 5-212-0-E	LUBE OIL, GENERATOR	
29	7/11/14 1416	PASSAGEWAY 1-212-0-L	HYDRAULIC OIL, PORT BYPASS VALVE	
30	7/11/14 1437	GENERAL WORKSHOP 2-292-2-Q	LUBE OIL, LUBE OIL STORAGE TANK	

Vessel Name and Hull Number: ex- HAWES FFG-53

VENTILATION GASKET SAMPLING LOG-IN SHEET 10 Samples Required				
Smpl No.	Smpl Date Time	Location (Compartment Name/Number)	DESCRIPTION OF VENTILATION GASKET (Rubber/Wool Felt, etc) Sample Size: 2" Strip	Result
31	7/14/14 0752	MK-92 EQUIP. ROOM 02-116-1-Q	BLACK RUBBER	
32	7/14/14 0815	SONAR CONTROL 01-140-0-C	BLACK RUBBER	
33	7/14/14 0823	CMC OFFICE 01-204-2-Q	BLACK RUBBER	
34	7/14/14 0840	PASSAGEWAY 1-212-0-L	BLACK RUBBER	
35	7/14/14 0853	WINDLASS ROOM 2-32-0-Q	BLACK RUBBER	
36	7/14/14 0912	CCS 2-292-01-C	BLACK RUBBER	
37	7/14/14 0921	REPAIR #3 2-344-2-A	BLACK RUBBER	
38	7/14/14 0930	NIXIE ROOM #2 2-397-1-Q	BLACK RUBBER	
39	7/14/14 0942	PASSAGEWAY 1-108-2-L	BLACK RUBBER	
40	7/14/14 0953	PASSAGEWAY 3-188-0-L	BLACK RUBBER	

Date: 7/10 – 7/14 - 2014

Vessel Name and Hull Number: ex- HAWES FFG-53

BULKHEAD INSULATION SAMPLING LOG-IN SHEET
(5 Samples Required)

Smpl No.	Smpl Date Time	Location (Compartment Name/Number)	DESCRIPTION OF INSULATION (Type, Color, Etc.) Sample Size: 2-1/2" x 1/2"	Result
41	7/14/14 1020	SWITCHBOARD #1 3-180-2-C	YELLOW THERMAL	
42	7/14/14 1026	CCS 2-292-01-C	YELLOW ACOUSTIC	
43	7/14/14 1035	ELECTRICAL SHOP 2-316-2-Q	YELLOW THERMAL	
44	7/14/14 1043	TACTAS 2-388-2-Q	YELLOW THERMAL	
45	7/14/14 1054	FAN ROOM 2-244-2-Q	YELLOW ACOUSTIC	

RUBBER APPLICATION SAMPLING LOG-IN SHEET
(5 Samples Required)

Smpl No.	Smpl Date Time	Location (Compartment Name/Number)	DESCRIPTION (SEE NOTE BELOW) Sample Size: 2-1/2" x 1/2"	Result
46	7/14/14 1245	CIC 01-113-0-C	BLACK RUBBER, ELECTRICAL CHANNEL	
47	7/14/14 1303	PILOT HOUSE 02-100-0-C	BLACK RUBBER , SHOCK MOUNT	
48	7/14/14 1310	STIR 01-193-0-Q	BLACK RUBBER, PIPE HANGER	
49	7/14/14 1321	ARMORY 2-48-1-A	BLACK RUBBER, ELECTRICAL CHANNEL	
50	7/14/14 1337	PASSAGEWAY 2-368-01-L	BLACK RUBBER, PIPE HANGER	

Rubber applications (high temperature applications) include but are not limited to:
Isolation shock mounts for electronic equipment
Pipe Block hangers
Pipe hangar lines
NOT VENTILATION GASKETS

Vessel Name and Hull Number: ex- HAWES FFG-53

DOUBLE-BACKED ADHESIVE TAPE SAMPLING LOG-IN SHEET
(5 Samples Required)

Smpl No.	Smpl Date Time	Location (Compartment Name/Number)	DESCRIPTION OF EQUIPMENT (Where Retrieved and color) Sample Size: Strip	Result
51	7/14/14 1350	CIWS VESTUBULE 01-308-1-T	COMPARTMENT CHECKOFF LIST, BLACK TAPE	
52	7/14/14 1418	BERTHING 2-100-01-L	COMPARTMENT CHECKOFF LIST, BLACK TAPE	
53	7/14/14 1423	CLEANING GEAR STOREROOM 3-56-0-A	COMPARTMENT CHECKOFF LIST, BLACK TAPE	
54	7/14/14 1434	BARBER SHOP 2-140-0-Q	COMPARTMENT CHECKOFF LIST, BLACK TAPE	
55	7/14/14 1445	LAN STOREROOM 2-328-0-Q	COMPARTMENT CHECKOFF LIST, BLACK TAPE	

ALUMINIZED PAINT SAMPLING LOG-IN SHEET
(5 Samples Required)

Smpl No.	Smpl Date Time	Location (Compartment Name/Number)	DESCRIPTION OF EQUIPMENT WHERE RETRIEVED Sample Size: 1/8" to 1/4" depth in container	Result
56			NO ALUMINIZED PAINT OBSERVED ON BOARD	
57			NO ALUMINIZED PAINT OBSERVED ON BOARD	
58			NO ALUMINIZED PAINT OBSERVED ON BOARD	
59			NO ALUMINIZED PAINT OBSERVED ON BOARD	
60			NO ALUMINIZED PAINT OBSERVED ON BOARD	

Vessel Name and Hull Number: ex- HAWES FFG-53

FIELD BLANKS SAMPLING LOG-IN SHEET (2 Samples required: One after the 30th Sample and one after the last solid sample taken)				
Smpl No.	Smpl Date Time	Location (Compartment Name/Number)	DESCRIPTION	Result
FB-61	7/11/14 1439	GENERAL WORKSHOP 2-292-2-Q	AFTER SAMPLE 30	
FB-62	7/14/14 1500	LAN STOREROOM 2-328-0-Q	AFTER SAMPLE 55	

TOOL CHECKS SAMPLING LOG-IN SHEET (5 Samples required; One after every 10 Solid Samples and one after the last solid sample taken)				
Smpl No.	Smpl Date Time	Location (Compartment Name/Number)	DESCRIPTION	Result
TC-63	7/10/14 1450	REPAIR #2 2-55-1-A	TOOL BLANK #1	
TC-64	7/11/14 0915	TACTAS 2-388-2-Q	TOOL BLANK #2	
TC-65	7/14/14 0957	PASSAGEWAY 3-188-0-L	TOOL BLANK #3	
TC-66	7/14/14 1340	PASSAGEWAY 2-368-01-L	TOOL BLANK #4	
TC-67	7/14/14 1457	SHIP'S OFFICE 2-328-0-Q	TOOL BLANK #5	

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QC Package

Prepared For: Global - NISMO

Project Name: ex-HAWES FFG-53

MAEL Job Number: 41114

Prepared By: Joshua Walls

Reviewed By: Charles Morrow

Date Prepared: July 29, 2014

Summary Table

Client: Global - NISMO
Project ID: ex-HAWES FFG-53
Project Number: PHL 14-0377

Lab Sample Number	Client Sample Number
41114-1	1
41114-2	2
41114-3	3
41114-4	4
41114-5	5
41114-6	6
41114-7	7
41114-8	8
41114-9	9
41114-10	10
41114-11	11
41114-12	12
41114-13	13
41114-14	14
41114-15	15
41114-16	16
41114-17	17
41114-18	18
41114-19	19
41114-20	20
41114-21	21
41114-22	22
41114-23	23
41114-24	24
41114-25	25

Summary Table

Client: Global - NISMO
Project ID: ex-HAWES FFG-53
Project Number: PHL 14-0377

Lab Sample Number	Client Sample Number
41114-26	26
41114-27	27
41114-28	28
41114-29	29
41114-30	30
41114-31	31
41114-32	32
41114-33	33
41114-34	34
41114-35	35
41114-36	36
41114-37	37
41114-38	38
41114-39	39
41114-40	40
41114-41	41
41114-42	42
41114-43	43
41114-44	44
41114-45	45
41114-46	46
41114-47	47
41114-48	48
41114-49	49
41114-50	50

Summary Table

Client: Global - NISMO
Project ID: ex-HAWES FFG-53
Project Number: PHL 14-0377

Lab Sample Number	Client Sample Number
41114-51	51
41114-52	52
41114-53	53
41114-54	54
41114-55	55
41114-56	61
41114-57	62
41114-58	63
41114-59	64
41114-60	65
41114-61	66
41114-62	67

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Laboratory Deliverables

Mid-Atlantic
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mael@maelinc.com

Analytical Report

Project Name:	ex-HAWES FFG-53
MAEL Job Number:	41114
Client:	Global - NISMO 4701 S. 16th Street PNBC Building 545 Philadelphia, PA 19112
Contact Name:	Jim Sirles
Date Received:	07/17/2014
Date Reported:	7/24/2014

Analytical test results for methods listed on the laboratory's scope of accreditation meet all requirements of NELAC unless otherwise noted. All sample holding times and preservation requirements were met unless otherwise noted. Test results relate only to the sample tested. This report shall not be reproduced, except in full, without prior written authorization of Mid-Atlantic Environmental Laboratories, Inc.

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-1
Client Sample ID: 1

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/22/2014 7:49 PM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/22/2014 7:49 PM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/22/2014 7:49 PM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/22/2014 7:49 PM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/22/2014 7:49 PM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/22/2014 7:49 PM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/22/2014 7:49 PM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/22/2014 7:49 PM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/22/2014 7:49 PM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-2
Client Sample ID: 2

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/22/2014 8:16 PM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/22/2014 8:16 PM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/22/2014 8:16 PM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/22/2014 8:16 PM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/22/2014 8:16 PM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/22/2014 8:16 PM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/22/2014 8:16 PM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/22/2014 8:16 PM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/22/2014 8:16 PM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-3
Client Sample ID: 3

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/22/2014 8:43 PM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/22/2014 8:43 PM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/22/2014 8:43 PM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/22/2014 8:43 PM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/22/2014 8:43 PM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/22/2014 8:43 PM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/22/2014 8:43 PM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/22/2014 8:43 PM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/22/2014 8:43 PM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-4
Client Sample ID: 4

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/22/2014 9:10 PM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/22/2014 9:10 PM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/22/2014 9:10 PM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/22/2014 9:10 PM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/22/2014 9:10 PM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/22/2014 9:10 PM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/22/2014 9:10 PM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/22/2014 9:10 PM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/22/2014 9:10 PM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-5
Client Sample ID: 5

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/22/2014 9:37 PM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/22/2014 9:37 PM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/22/2014 9:37 PM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/22/2014 9:37 PM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/22/2014 9:37 PM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/22/2014 9:37 PM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/22/2014 9:37 PM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/22/2014 9:37 PM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/22/2014 9:37 PM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-6
Client Sample ID: 6

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/22/2014 10:03 PM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/22/2014 10:03 PM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/22/2014 10:03 PM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/22/2014 10:03 PM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/22/2014 10:03 PM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/22/2014 10:03 PM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/22/2014 10:03 PM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/22/2014 10:03 PM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/22/2014 10:03 PM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-7
Client Sample ID: 7

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/22/2014 10:30 PM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/22/2014 10:30 PM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/22/2014 10:30 PM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/22/2014 10:30 PM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/22/2014 10:30 PM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/22/2014 10:30 PM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/22/2014 10:30 PM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/22/2014 10:30 PM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/22/2014 10:30 PM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-8
Client Sample ID: 8

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/22/2014 10:57 PM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/22/2014 10:57 PM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/22/2014 10:57 PM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/22/2014 10:57 PM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/22/2014 10:57 PM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/22/2014 10:57 PM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/22/2014 10:57 PM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/22/2014 10:57 PM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/22/2014 10:57 PM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-9
Client Sample ID: 9

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/22/2014 11:24 PM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/22/2014 11:24 PM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/22/2014 11:24 PM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/22/2014 11:24 PM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/22/2014 11:24 PM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/22/2014 11:24 PM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/22/2014 11:24 PM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/22/2014 11:24 PM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/22/2014 11:24 PM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-10
Client Sample ID: 10

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/22/2014 11:51 PM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/22/2014 11:51 PM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/22/2014 11:51 PM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/22/2014 11:51 PM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/22/2014 11:51 PM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/22/2014 11:51 PM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/22/2014 11:51 PM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/22/2014 11:51 PM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/22/2014 11:51 PM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-11
Client Sample ID: 11

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/23/2014 12:18 AM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/23/2014 12:18 AM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 12:18 AM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/23/2014 12:18 AM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/23/2014 12:18 AM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/23/2014 12:18 AM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 12:18 AM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 12:18 AM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/23/2014 12:18 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-12
Client Sample ID: 12

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/23/2014 12:45 AM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/23/2014 12:45 AM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 12:45 AM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/23/2014 12:45 AM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/23/2014 12:45 AM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/23/2014 12:45 AM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 12:45 AM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 12:45 AM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/23/2014 12:45 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-13
Client Sample ID: 13

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/23/2014 1:12 AM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/23/2014 1:12 AM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 1:12 AM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/23/2014 1:12 AM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/23/2014 1:12 AM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/23/2014 1:12 AM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 1:12 AM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 1:12 AM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/23/2014 1:12 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-14
Client Sample ID: 14

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/23/2014 1:39 AM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/23/2014 1:39 AM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 1:39 AM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/23/2014 1:39 AM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/23/2014 1:39 AM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/23/2014 1:39 AM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 1:39 AM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 1:39 AM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/23/2014 1:39 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-15
Client Sample ID: 15

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.250	B C	7/24/2014 1:41 PM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.250	B C	7/24/2014 1:41 PM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.250	B C	7/24/2014 1:41 PM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.250	B C	7/24/2014 1:41 PM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.250	B C	7/24/2014 1:41 PM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.250	B C	7/24/2014 1:41 PM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.250	B C	7/24/2014 1:41 PM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.250	B C	7/24/2014 1:41 PM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.250	B C	7/24/2014 1:41 PM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-16
Client Sample ID: 16

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 12:04 PM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 12:04 PM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 12:04 PM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/24/2014 12:04 PM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/24/2014 12:04 PM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/24/2014 12:04 PM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 12:04 PM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 12:04 PM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/24/2014 12:04 PM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-17
Client Sample ID: 17

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 12:31 PM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 12:31 PM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 12:31 PM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/24/2014 12:31 PM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/24/2014 12:31 PM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/24/2014 12:31 PM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 12:31 PM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 12:31 PM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/24/2014 12:31 PM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-18
Client Sample ID: 18

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/23/2014 3:27 AM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/23/2014 3:27 AM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 3:27 AM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/23/2014 3:27 AM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/23/2014 3:27 AM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/23/2014 3:27 AM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 3:27 AM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 3:27 AM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/23/2014 3:27 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-19
Client Sample ID: 19

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/23/2014 3:54 AM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/23/2014 3:54 AM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 3:54 AM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/23/2014 3:54 AM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/23/2014 3:54 AM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/23/2014 3:54 AM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 3:54 AM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 3:54 AM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/23/2014 3:54 AM

Akhter Mehmood
Lab Director

Charles Morrow
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ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-20
Client Sample ID: 20

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/23/2014 4:22 AM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/23/2014 4:22 AM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 4:22 AM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/23/2014 4:22 AM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/23/2014 4:22 AM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/23/2014 4:22 AM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 4:22 AM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 4:22 AM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/23/2014 4:22 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-21
Client Sample ID: 21

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/23/2014 9:35 PM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/23/2014 9:35 PM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 9:35 PM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/23/2014 9:35 PM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/23/2014 9:35 PM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/23/2014 9:35 PM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 9:35 PM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 9:35 PM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/23/2014 9:35 PM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-22
Client Sample ID: 22

Date Sampled:
Sampled By:
Sample Matrix: Oil
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Oil								
PCB-1016	12674-11-2	ND		mg/kg	8082A	1.00	B C	7/23/2014 10:02 PM
PCB-1221	11104-28-2	ND		mg/kg	8082A	1.00	B C	7/23/2014 10:02 PM
PCB-1232	11141-16-5	ND		mg/kg	8082A	1.00	B C	7/23/2014 10:02 PM
PCB-1242	53469-21-9	ND		mg/kg	8082A	1.00	B C	7/23/2014 10:02 PM
PCB-1248	12672-29-6	ND		mg/kg	8082A	1.00	B C	7/23/2014 10:02 PM
PCB-1254	11097-69-1	ND		mg/kg	8082A	1.00	B C	7/23/2014 10:02 PM
PCB-1260	11096-82-5	ND		mg/kg	8082A	1.00	B C	7/23/2014 10:02 PM
PCB-1262	37324-23-5	ND		mg/kg	8082A	1.00	B C	7/23/2014 10:02 PM
PCB-1268	11100-14-4	ND		mg/kg	8082A	1.00	B C	7/23/2014 10:02 PM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-23
Client Sample ID: 23

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/23/2014 10:29 PM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/23/2014 10:29 PM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 10:29 PM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/23/2014 10:29 PM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/23/2014 10:29 PM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/23/2014 10:29 PM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 10:29 PM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 10:29 PM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/23/2014 10:29 PM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-24
Client Sample ID: 24

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/23/2014 10:56 PM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/23/2014 10:56 PM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 10:56 PM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/23/2014 10:56 PM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/23/2014 10:56 PM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/23/2014 10:56 PM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 10:56 PM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 10:56 PM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/23/2014 10:56 PM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-25
Client Sample ID: 25

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/23/2014 11:23 PM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/23/2014 11:23 PM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 11:23 PM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/23/2014 11:23 PM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/23/2014 11:23 PM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/23/2014 11:23 PM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 11:23 PM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 11:23 PM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/23/2014 11:23 PM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-26
Client Sample ID: 26

Date Sampled:
Sampled By:
Sample Matrix: Oil
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Oil								
PCB-1016	12674-11-2	ND		mg/kg	8082A	1.00	B C	7/23/2014 11:50 PM
PCB-1221	11104-28-2	ND		mg/kg	8082A	1.00	B C	7/23/2014 11:50 PM
PCB-1232	11141-16-5	ND		mg/kg	8082A	1.00	B C	7/23/2014 11:50 PM
PCB-1242	53469-21-9	ND		mg/kg	8082A	1.00	B C	7/23/2014 11:50 PM
PCB-1248	12672-29-6	ND		mg/kg	8082A	1.00	B C	7/23/2014 11:50 PM
PCB-1254	11097-69-1	ND		mg/kg	8082A	1.00	B C	7/23/2014 11:50 PM
PCB-1260	11096-82-5	ND		mg/kg	8082A	1.00	B C	7/23/2014 11:50 PM
PCB-1262	37324-23-5	ND		mg/kg	8082A	1.00	B C	7/23/2014 11:50 PM
PCB-1268	11100-14-4	ND		mg/kg	8082A	1.00	B C	7/23/2014 11:50 PM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-27
Client Sample ID: 27

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 12:17 AM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 12:17 AM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 12:17 AM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/24/2014 12:17 AM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/24/2014 12:17 AM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/24/2014 12:17 AM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 12:17 AM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 12:17 AM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/24/2014 12:17 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-28
Client Sample ID: 28

Date Sampled:
Sampled By:
Sample Matrix: Oil
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Oil								
PCB-1016	12674-11-2	ND		mg/kg	8082A	1.00	B C	7/24/2014 12:44 AM
PCB-1221	11104-28-2	ND		mg/kg	8082A	1.00	B C	7/24/2014 12:44 AM
PCB-1232	11141-16-5	ND		mg/kg	8082A	1.00	B C	7/24/2014 12:44 AM
PCB-1242	53469-21-9	ND		mg/kg	8082A	1.00	B C	7/24/2014 12:44 AM
PCB-1248	12672-29-6	ND		mg/kg	8082A	1.00	B C	7/24/2014 12:44 AM
PCB-1254	11097-69-1	ND		mg/kg	8082A	1.00	B C	7/24/2014 12:44 AM
PCB-1260	11096-82-5	ND		mg/kg	8082A	1.00	B C	7/24/2014 12:44 AM
PCB-1262	37324-23-5	ND		mg/kg	8082A	1.00	B C	7/24/2014 12:44 AM
PCB-1268	11100-14-4	ND		mg/kg	8082A	1.00	B C	7/24/2014 12:44 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-29
Client Sample ID: 29

Date Sampled:
Sampled By:
Sample Matrix: Oil
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Oil								
PCB-1016	12674-11-2	ND		mg/kg	8082A	1.00	B C	7/24/2014 1:11 AM
PCB-1221	11104-28-2	ND		mg/kg	8082A	1.00	B C	7/24/2014 1:11 AM
PCB-1232	11141-16-5	ND		mg/kg	8082A	1.00	B C	7/24/2014 1:11 AM
PCB-1242	53469-21-9	ND		mg/kg	8082A	1.00	B C	7/24/2014 1:11 AM
PCB-1248	12672-29-6	ND		mg/kg	8082A	1.00	B C	7/24/2014 1:11 AM
PCB-1254	11097-69-1	ND		mg/kg	8082A	1.00	B C	7/24/2014 1:11 AM
PCB-1260	11096-82-5	ND		mg/kg	8082A	1.00	B C	7/24/2014 1:11 AM
PCB-1262	37324-23-5	ND		mg/kg	8082A	1.00	B C	7/24/2014 1:11 AM
PCB-1268	11100-14-4	ND		mg/kg	8082A	1.00	B C	7/24/2014 1:11 AM

Akhter Mehmood
Lab Director

Charles Morrow
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ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-30
Client Sample ID: 30

Date Sampled:
Sampled By:
Sample Matrix: Oil
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Oil								
PCB-1016	12674-11-2	ND		mg/kg	8082A	1.00	B C	7/24/2014 1:39 AM
PCB-1221	11104-28-2	ND		mg/kg	8082A	1.00	B C	7/24/2014 1:39 AM
PCB-1232	11141-16-5	ND		mg/kg	8082A	1.00	B C	7/24/2014 1:39 AM
PCB-1242	53469-21-9	ND		mg/kg	8082A	1.00	B C	7/24/2014 1:39 AM
PCB-1248	12672-29-6	ND		mg/kg	8082A	1.00	B C	7/24/2014 1:39 AM
PCB-1254	11097-69-1	ND		mg/kg	8082A	1.00	B C	7/24/2014 1:39 AM
PCB-1260	11096-82-5	ND		mg/kg	8082A	1.00	B C	7/24/2014 1:39 AM
PCB-1262	37324-23-5	ND		mg/kg	8082A	1.00	B C	7/24/2014 1:39 AM
PCB-1268	11100-14-4	ND		mg/kg	8082A	1.00	B C	7/24/2014 1:39 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-31
Client Sample ID: 31

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 2:06 AM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 2:06 AM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 2:06 AM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/24/2014 2:06 AM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/24/2014 2:06 AM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/24/2014 2:06 AM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 2:06 AM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 2:06 AM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/24/2014 2:06 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-32
Client Sample ID: 32

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 2:33 AM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 2:33 AM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 2:33 AM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/24/2014 2:33 AM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/24/2014 2:33 AM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/24/2014 2:33 AM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 2:33 AM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 2:33 AM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/24/2014 2:33 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-33
Client Sample ID: 33

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:00 AM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:00 AM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:00 AM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:00 AM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:00 AM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:00 AM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:00 AM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:00 AM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:00 AM

Akhter Mehmood
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Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-34
Client Sample ID: 34

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:28 AM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:28 AM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:28 AM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:28 AM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:28 AM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:28 AM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:28 AM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:28 AM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:28 AM

Akhter Mehmood
Lab Director

Charles Morrow
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ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-35
Client Sample ID: 35

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:55 AM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:55 AM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:55 AM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:55 AM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:55 AM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:55 AM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:55 AM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:55 AM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:55 AM

Akhter Mehmood
Lab Director

Charles Morrow
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ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-36
Client Sample ID: 36

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:22 AM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:22 AM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:22 AM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:22 AM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:22 AM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:22 AM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:22 AM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:22 AM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:22 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-37
Client Sample ID: 37

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:49 AM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:49 AM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:49 AM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:49 AM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:49 AM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:49 AM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:49 AM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:49 AM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:49 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-38
Client Sample ID: 38

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:16 AM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:16 AM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:16 AM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:16 AM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:16 AM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:16 AM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:16 AM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:16 AM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:16 AM

Akhter Mehmood
Lab Director

Charles Morrow
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ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-39
Client Sample ID: 39

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:43 AM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:43 AM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:43 AM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:43 AM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:43 AM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:43 AM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:43 AM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:43 AM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:43 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-40
Client Sample ID: 40

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 6:11 AM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 6:11 AM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 6:11 AM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/24/2014 6:11 AM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/24/2014 6:11 AM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/24/2014 6:11 AM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 6:11 AM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 6:11 AM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/24/2014 6:11 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-41
Client Sample ID: 41

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/23/2014 1:33 AM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/23/2014 1:33 AM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 1:33 AM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/23/2014 1:33 AM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/23/2014 1:33 AM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/23/2014 1:33 AM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 1:33 AM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/23/2014 1:33 AM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/23/2014 1:33 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-42
Client Sample ID: 42

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 1:59 AM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 1:59 AM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 1:59 AM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/24/2014 1:59 AM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/24/2014 1:59 AM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/24/2014 1:59 AM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 1:59 AM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 1:59 AM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/24/2014 1:59 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-43
Client Sample ID: 43

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.250	B C	7/24/2014 2:20 PM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.250	B C	7/24/2014 2:20 PM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.250	B C	7/24/2014 2:20 PM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.250	B C	7/24/2014 2:20 PM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.250	B C	7/24/2014 2:20 PM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.250	B C	7/24/2014 2:20 PM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.250	B C	7/24/2014 2:20 PM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.250	B C	7/24/2014 2:20 PM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.250	B C	7/24/2014 2:20 PM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-44
Client Sample ID: 44

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 2:51 AM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 2:51 AM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 2:51 AM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/24/2014 2:51 AM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/24/2014 2:51 AM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/24/2014 2:51 AM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 2:51 AM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 2:51 AM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/24/2014 2:51 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-45
Client Sample ID: 45

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:17 AM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:17 AM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:17 AM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:17 AM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:17 AM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:17 AM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:17 AM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:17 AM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:17 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-46
Client Sample ID: 46

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:43 AM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:43 AM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:43 AM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:43 AM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:43 AM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:43 AM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:43 AM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:43 AM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/24/2014 3:43 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-47
Client Sample ID: 47

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:08 AM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:08 AM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:08 AM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:08 AM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:08 AM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:08 AM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:08 AM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:08 AM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:08 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-48
Client Sample ID: 48

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:34 AM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:34 AM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:34 AM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:34 AM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:34 AM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:34 AM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:34 AM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:34 AM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/24/2014 4:34 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-49
Client Sample ID: 49

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:00 AM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:00 AM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:00 AM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:00 AM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:00 AM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:00 AM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:00 AM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:00 AM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:00 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-50
Client Sample ID: 50

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:26 AM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:26 AM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:26 AM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:26 AM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:26 AM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:26 AM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:26 AM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:26 AM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:26 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-51
Client Sample ID: 51

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:51 AM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:51 AM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:51 AM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:51 AM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:51 AM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:51 AM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:51 AM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:51 AM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/24/2014 5:51 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-52
Client Sample ID: 52

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 6:17 AM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 6:17 AM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 6:17 AM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/24/2014 6:17 AM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/24/2014 6:17 AM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/24/2014 6:17 AM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 6:17 AM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 6:17 AM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/24/2014 6:17 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-53
Client Sample ID: 53

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 6:43 AM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 6:43 AM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 6:43 AM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/24/2014 6:43 AM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/24/2014 6:43 AM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/24/2014 6:43 AM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 6:43 AM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 6:43 AM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/24/2014 6:43 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-54
Client Sample ID: 54

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 7:09 AM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 7:09 AM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 7:09 AM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/24/2014 7:09 AM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/24/2014 7:09 AM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/24/2014 7:09 AM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 7:09 AM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 7:09 AM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/24/2014 7:09 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-55
Client Sample ID: 55

Date Sampled:
Sampled By:
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 7:34 AM
PCB-1221	11104-28-2	ND		mg/kg	8082A	0.025	B C	7/24/2014 7:34 AM
PCB-1232	11141-16-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 7:34 AM
PCB-1242	53469-21-9	ND		mg/kg	8082A	0.025	B C	7/24/2014 7:34 AM
PCB-1248	12672-29-6	ND		mg/kg	8082A	0.025	B C	7/24/2014 7:34 AM
PCB-1254	11097-69-1	ND		mg/kg	8082A	0.025	B C	7/24/2014 7:34 AM
PCB-1260	11096-82-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 7:34 AM
PCB-1262	37324-23-5	ND		mg/kg	8082A	0.025	B C	7/24/2014 7:34 AM
PCB-1268	11100-14-4	ND		mg/kg	8082A	0.025	B C	7/24/2014 7:34 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-56
Client Sample ID: 61

Date Sampled:
Sampled By:
Sample Matrix: Wipes
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Wipe								
PCB-1016	12674-11-2	ND		ug/wipe	8082A	1.00	B C	7/24/2014 8:00 AM
PCB-1221	11104-28-2	ND		ug/wipe	8082A	1.00	B C	7/24/2014 8:00 AM
PCB-1232	11141-16-5	ND		ug/wipe	8082A	1.00	B C	7/24/2014 8:00 AM
PCB-1242	53469-21-9	ND		ug/wipe	8082A	1.00	B C	7/24/2014 8:00 AM
PCB-1248	12672-29-6	ND		ug/wipe	8082A	1.00	B C	7/24/2014 8:00 AM
PCB-1254	11097-69-1	ND		ug/wipe	8082A	1.00	B C	7/24/2014 8:00 AM
PCB-1260	11096-82-5	ND		ug/wipe	8082A	1.00	B C	7/24/2014 8:00 AM
PCB-1262	37324-23-5	ND		ug/wipe	8082A	1.00	B C	7/24/2014 8:00 AM
PCB-1268	11100-14-4	ND		ug/wipe	8082A	1.00	B C	7/24/2014 8:00 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-57
Client Sample ID: 62

Date Sampled:
Sampled By:
Sample Matrix: Wipes
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Wipe								
PCB-1016	12674-11-2	ND		ug/wipe	8082A	1.00	B C	7/24/2014 8:26 AM
PCB-1221	11104-28-2	ND		ug/wipe	8082A	1.00	B C	7/24/2014 8:26 AM
PCB-1232	11141-16-5	ND		ug/wipe	8082A	1.00	B C	7/24/2014 8:26 AM
PCB-1242	53469-21-9	ND		ug/wipe	8082A	1.00	B C	7/24/2014 8:26 AM
PCB-1248	12672-29-6	ND		ug/wipe	8082A	1.00	B C	7/24/2014 8:26 AM
PCB-1254	11097-69-1	ND		ug/wipe	8082A	1.00	B C	7/24/2014 8:26 AM
PCB-1260	11096-82-5	ND		ug/wipe	8082A	1.00	B C	7/24/2014 8:26 AM
PCB-1262	37324-23-5	ND		ug/wipe	8082A	1.00	B C	7/24/2014 8:26 AM
PCB-1268	11100-14-4	ND		ug/wipe	8082A	1.00	B C	7/24/2014 8:26 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-58
Client Sample ID: 63

Date Sampled:
Sampled By:
Sample Matrix: Wipes
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Wipe								
PCB-1016	12674-11-2	ND		ug/wipe	8082A	1.00	B C	7/24/2014 8:51 AM
PCB-1221	11104-28-2	ND		ug/wipe	8082A	1.00	B C	7/24/2014 8:51 AM
PCB-1232	11141-16-5	ND		ug/wipe	8082A	1.00	B C	7/24/2014 8:51 AM
PCB-1242	53469-21-9	ND		ug/wipe	8082A	1.00	B C	7/24/2014 8:51 AM
PCB-1248	12672-29-6	ND		ug/wipe	8082A	1.00	B C	7/24/2014 8:51 AM
PCB-1254	11097-69-1	ND		ug/wipe	8082A	1.00	B C	7/24/2014 8:51 AM
PCB-1260	11096-82-5	ND		ug/wipe	8082A	1.00	B C	7/24/2014 8:51 AM
PCB-1262	37324-23-5	ND		ug/wipe	8082A	1.00	B C	7/24/2014 8:51 AM
PCB-1268	11100-14-4	ND		ug/wipe	8082A	1.00	B C	7/24/2014 8:51 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-59
Client Sample ID: 64

Date Sampled:
Sampled By:
Sample Matrix: Wipes
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Wipe								
PCB-1016	12674-11-2	ND		ug/wipe	8082A	1.00	B C	7/24/2014 9:17 AM
PCB-1221	11104-28-2	ND		ug/wipe	8082A	1.00	B C	7/24/2014 9:17 AM
PCB-1232	11141-16-5	ND		ug/wipe	8082A	1.00	B C	7/24/2014 9:17 AM
PCB-1242	53469-21-9	ND		ug/wipe	8082A	1.00	B C	7/24/2014 9:17 AM
PCB-1248	12672-29-6	ND		ug/wipe	8082A	1.00	B C	7/24/2014 9:17 AM
PCB-1254	11097-69-1	ND		ug/wipe	8082A	1.00	B C	7/24/2014 9:17 AM
PCB-1260	11096-82-5	ND		ug/wipe	8082A	1.00	B C	7/24/2014 9:17 AM
PCB-1262	37324-23-5	ND		ug/wipe	8082A	1.00	B C	7/24/2014 9:17 AM
PCB-1268	11100-14-4	ND		ug/wipe	8082A	1.00	B C	7/24/2014 9:17 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-60
Client Sample ID: 65

Date Sampled:
Sampled By:
Sample Matrix: Wipes
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Wipe								
PCB-1016	12674-11-2	ND		ug/wipe	8082A	1.00	B C	7/24/2014 9:42 AM
PCB-1221	11104-28-2	ND		ug/wipe	8082A	1.00	B C	7/24/2014 9:42 AM
PCB-1232	11141-16-5	ND		ug/wipe	8082A	1.00	B C	7/24/2014 9:42 AM
PCB-1242	53469-21-9	ND		ug/wipe	8082A	1.00	B C	7/24/2014 9:42 AM
PCB-1248	12672-29-6	ND		ug/wipe	8082A	1.00	B C	7/24/2014 9:42 AM
PCB-1254	11097-69-1	ND		ug/wipe	8082A	1.00	B C	7/24/2014 9:42 AM
PCB-1260	11096-82-5	ND		ug/wipe	8082A	1.00	B C	7/24/2014 9:42 AM
PCB-1262	37324-23-5	ND		ug/wipe	8082A	1.00	B C	7/24/2014 9:42 AM
PCB-1268	11100-14-4	ND		ug/wipe	8082A	1.00	B C	7/24/2014 9:42 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-61
Client Sample ID: 66

Date Sampled:
Sampled By:
Sample Matrix: Wipes
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Wipe								
PCB-1016	12674-11-2	ND		ug/wipe	8082A	1.00	B C	7/24/2014 10:08 AM
PCB-1221	11104-28-2	ND		ug/wipe	8082A	1.00	B C	7/24/2014 10:08 AM
PCB-1232	11141-16-5	ND		ug/wipe	8082A	1.00	B C	7/24/2014 10:08 AM
PCB-1242	53469-21-9	ND		ug/wipe	8082A	1.00	B C	7/24/2014 10:08 AM
PCB-1248	12672-29-6	ND		ug/wipe	8082A	1.00	B C	7/24/2014 10:08 AM
PCB-1254	11097-69-1	ND		ug/wipe	8082A	1.00	B C	7/24/2014 10:08 AM
PCB-1260	11096-82-5	ND		ug/wipe	8082A	1.00	B C	7/24/2014 10:08 AM
PCB-1262	37324-23-5	ND		ug/wipe	8082A	1.00	B C	7/24/2014 10:08 AM
PCB-1268	11100-14-4	ND		ug/wipe	8082A	1.00	B C	7/24/2014 10:08 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Project Name: ex-HAWES FFG-53

Lab Project #: 41114
Lab Sample #: 41114-62
Client Sample ID: 67

Date Sampled:
Sampled By:
Sample Matrix: Wipes
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Wipe								
PCB-1016	12674-11-2	ND		ug/wipe	8082A	1.00	B C	7/24/2014 10:34 AM
PCB-1221	11104-28-2	ND		ug/wipe	8082A	1.00	B C	7/24/2014 10:34 AM
PCB-1232	11141-16-5	ND		ug/wipe	8082A	1.00	B C	7/24/2014 10:34 AM
PCB-1242	53469-21-9	ND		ug/wipe	8082A	1.00	B C	7/24/2014 10:34 AM
PCB-1248	12672-29-6	ND		ug/wipe	8082A	1.00	B C	7/24/2014 10:34 AM
PCB-1254	11097-69-1	ND		ug/wipe	8082A	1.00	B C	7/24/2014 10:34 AM
PCB-1260	11096-82-5	ND		ug/wipe	8082A	1.00	B C	7/24/2014 10:34 AM
PCB-1262	37324-23-5	ND		ug/wipe	8082A	1.00	B C	7/24/2014 10:34 AM
PCB-1268	11100-14-4	ND		ug/wipe	8082A	1.00	B C	7/24/2014 10:34 AM

Akhter Mehmood
Lab Director

Charles Morrow
QAQC Director

ANALYTICAL REPORT

Methodology

All analyses are adapted from one or more of the following reference methods:

"Guidelines Establishing Test Procedures for the Analysis of Pollutants"' Code of Federal Regulations, Vol. 40, Part 136
"Test Methods for Evaluating Solid Waste", SW846 Third Edition, September 1986, USEPA.
Code of Federal Regulations Vol. 40, Part 261, "Appendix II Method 1311 Toxicity Characteristic Leaching Procedure."
Standard Methods for the Examination of Water and Wastewater", 18th & 21st editions
"Methods for the Chemical Analysis of Water and Wastes", EPA600/4-79-020, March 1983, U.S. EPA, EMSL
"Annual Book of Standards, Section 11-Water", American Society for Testing and Materials (ASTM)
"Methods for the Determination of Organic Compounds in Drinking Water", EPA 600/4-88/039, December 1988

Qualifiers

B	Detected in method blank	E	Detected above calibration limits, result estimated
H	Parameter run out of hold time	J	Detected below PQL, result estimated
P	Incorrect Preservative	R	See report notes
SUB	Sub-Contracted to Certified Lab	N	Not NELAP/TNI certified for parameter
C	NELAP/TNI certification Not Available		

Abbreviations

ppm	Parts Per Million (mg/kg or mg/L)	PQL	Practical Quantitation Level
ppb	Parts Per Billion (ug/kg or ug/L)	attached	Subcontract Lab Report Attached
g	gram (1000 g = 1Kg)	ND	Not Detected
kg	kilogram (1 kg = 1000 g)	NA	Not Applicable
mg	milligram (1000 mg = 1 g)	NS	Not Spiked
mg/kg	milligram per kilogram (ppm)	NP	No PCB pattern detected
ug/kg	microgram per kilogram (ppb)	NR	Not Requested
ug	microgram (1000 ug = 1 mg)	NI	Not Ignitable
L	liter (1 L = 1000 mL)	NFL	No Free Liquid
ml	milliliter (1000 ml = 1 L)	NTU	Nephelometric Turbidity Units
ul	microliter (1000 ul = 1 ml)	S.U.	Standard Unit
mg/L	milligram per liter (ppm)	RPD	Relative Percent Difference
ug/L	microgram per liter (ppb)	RSD	Relative Standard Deviation
ng/kg	nanogram per kilogram	MS/MSD	Matrix Spike/Matrix Spike Duplicate
BTU/lb	British Thermal Units per pound	LCS	Laboratory Control Sample
CFU/mL	Colony Forming Units per milliliter	BS	Blank Spike (Method Spike)
MPN/100 ml	Most Probable Number per 100 mL	o F	degrees Fahrenheit
mS/cm	milli Siemans per centimeter	o C	degrees Celsius
uS/cm	micro Siemans per centimeter	umhos	Conductivity Units
ug/sq cm	microgram per square centimeter	ohms	Resistivity Units
ug/sq ft	microgram per square feet	RL	Reporting Limit
ug/wipe	microgram per wipe	P/N	Positive / Negative

Note: All non-aqueous samples, with the exception of oils, wipes, and paint chips are dry weight corrected
PQL-The Practical Quantitation Limit (PQL) is the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
RL-Reporting Limit is greater than or equal to PQL.

Mid-Atlantic
Environmental Laboratories, Inc.
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New Castle, DE 19720-2700
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Fax: 302-654-1058
www.maelinc.com
mael@maelinc.com

CHAIN OF CUSTODY

Lab Use Only
Job # 41114 99

Client Name: Global - NISMO	Invoice To: Global	Sample On Ice: ☐ Yes x No	Data Format Requested: ☐ Results Only	Report Format: ☐ Fax
Address: 4701 S. 16th Street	Purchase Order #: PHL14-0377	Sample Disposal: ☐ Client X MAEL	x QC Package	X E-mail PDF
	Project Name: ex-HAWES FFG-53	Site Location: ☐ NJ X PA ☐ DE ☐ MD ☐ Other	☐ NJRDD + Hazsite ☐ NJFDD + Hazsite ☐ MDE	☐ Portal Posting Only
City, State, Zip: Philadelphia, PA 19112	Bottle Order # Quote # 20140630J		☐ Excel Summary	

Contact Name: Jim Sirles
Phone # 215-897-6753
Fax # 215-897-6297
E-mail: james.sirles.ctr@navy.mil
Remarks: SEE ATTACHED SAMPLING LOG

Regulatory Program
☐ DERBCAP ☐ PA UST
☐ PA Clean Fill ☐ PA ACT II
☐ NJGWQC ☐ NJ SRP
☐ NJ UST ☐ MDE
☐ Site Specific ☐ Non regulatory
☐ Other (Specify): NAVSEA

Failure to include regulatory program may result in PQLs incompatible to regulatory limit. If not specified, assumed to be non-regulatory.

Turn Around Time
☐ <24 Hours (Same Day)
☐ 24 Hours (Next Day)
☐ 48 Hours (2 Days)
☐ 72 Hours (3 Days)
☐ 96 Hours (4 Days)
X Standard (1 Week)
☐ 2 Weeks
☐ Other – Specify

Laboratory Sample #	Client Sample ID	Sampling Info Date	Sampling Info Time	AM PM	Sampled By:	Sample Type Grab	Sample Type Comp	Matrix	# Cntrs	Analysis Requested
41114-1-62										

Bottles Supplied By MAEL? Yes NoX | Logged By: Wayne Wh 7/17/14 | QA Reviewed: | Page of

Relinquished By: James Sirles	Date: 7/17/14	Time: 1935	Received By:	Date: 7/17/14	Time: 14:35
Relinquished By:	Date: 7/17/14	Time: 15:35	Received By: Wayne Wh	Date: 7/17/14	Time: 15:35

All samples are disposed 30 days after receipt unless otherwise requested. By signing this Chain of Custody Agreement, customer expressly agrees to pay Mid-Atlantic Environmental Laboratories, Inc. for all charges reasonably incurred in connection with analysis and reporting of these samples

State Certified DE NJ | NJ - 34003 nelac PA - 68-03586 | DE certification - MD certification

Sample Temperature	
Temp as Read	
Temp Corrected	

ADDENDUM TO POLYCHLORINATED BIPHENYL SAMPLING AND ANALYSIS LOGIN SHEETS AND ANALYSIS REPORT _____**of**

Subj: PCB SAMPLING AND ANALYSIS SURVEY FOR **ex- HAWES FFG-53**
Ref: (a) COMNAVSEASYSCOM WASHINGTON DC ltr 4770 Ser 00T/248 of 21 Sep 95
(Subj: NAVSEA PCB Advisory 95-1)

1. The following statement is provided regarding the number of samples taken as required by reference (a):

20 Samples of ELECTRICAL CABLE were taken

10 Samples of VENTILATION DUCT GASKETS were taken.

5 Samples of BULKHEAD INSULATION were taken

10 Samples of OILS AND GREASES were taken.

5 Samples of DOUBLE-BACKED ADHESIVE TAPE were taken

0 Sample of ALUMINIZED PAINT were taken

5 Samples of RUBBER APPLICATIONS (i.e., shock mounts, hatch gaskets, pipe hangars, etc.) were taken

7 Quality Control Samples (FIELD BLANKS and TOOL CHECKS) were taken.

2. A representative sample was taken of each of the applications identified above. No other applications meeting the criteria of reference (a) were available for sampling on board.

JAMILE KING	GEORGE GOINS
SAMPLER(S)	SAMPLER(S)
Printed Name	Printed Name

Vessel Name and Hull Number: ex- HAWES FFG-53

ELECTRICAL CABLING SAMPLING LOG-IN SHEET (20 Samples required)					
Smpl No.	Smpl Date Time	Location (Compartment Name/Number)	DESCRIPTION OF CABLE (Size, Color, Manufacturer, MIL-SPEC, etc) Sample Size: 2-1/2" x 1/4"	Cable Year	Result
1	7/10/14 0856	CIC 01-113-0-C	GRAY, CHESTER CABLE MNW-7 SPL PVC 1-1/4"	1981	
2	7/10/14 0915	SONAR CONTROL 01-140-0-C	BLACK, OKONITE CO. PLT 3 LS-TSGU-50 MZ4643/16-U6UN 2-1/2"	1987	
3	7/10/14 0932	RADIO 01-156-0-C	BLACK, MONROE CABLE CO, INC LS2U-15 M24643145-02U0XL POLY, 1-1/2"	1998	
4	7/10/14 0943	TRANSMITTER ROOM 01-156-1-C	GRAY, CHESTER CABLE MNW-10 SPL PVC 1"	1981	
5	7/10/14 1053	NAV AIR 01-180-0-Q	GRAY, COLLYERSSGU-50 SPL PVC 1-1/4"	1984	
6	7/10/14 1230	RICER 1-100-0-Q	BLACK, CONTINENTAL CABLE LSTSGU M2464/16-01UN XL POLYO 1-1/4"	1992	
7	7/10/14 1309	TACTAS 2-388-2-Q	BLACK, AIW CORP TYPE LSTNW-3 M24643/48 01UN XLPOLYO 1"	1988	
8	7/10/14 1328	COC 2-328-0-Q	BLACK, BICC CRAND REX LSTTSU M24643/23-01UN XLPOLYO 1-1/2"	1998	
9	7/10/14 1430	MEDICAL 2-152-2-L	GRAY, BRAND REX TTSU-SP-L PVC 1-1/2"	1982	
10	7/10/14 1445	REPAIR #2 2-55-1-A	BLACK, COLLYER LSDGU-3 M24643/15-01UN ¾"	1980	
11	7/11/14 0747	REPAIR #2 2-55-1-A	BLACK, CAROL CABLE CO WEST THOF-42 NEOP 2-1/2"	1982	

Vessel Name and Hull Number: ex- HAWES FFG-53

ELECTRICAL CABLING SAMPLING LOG-IN SHEET (20 Samples required)					
Smpl No.	Smpl Date Time	Location (Compartment Name/Number)	DESCRIPTION OF CABLE (Size, Color, Manufacturer, MIL-SPEC, etc) Sample Size: 2-1/2" x 1/4"	Cable Year	Result
12	7/11/14 0754	PASSAGEWAY 2-40-2-L	GRAY, COLLYER CO TSGU-75 SPL PVC 2-1/2"	1982	
13	7/11/14 0802	CSMC/IC GYRO 2-79-0-C	BLACK MONROE CABLE CO LS3SU-3 M24643 XLPOLYO ¾"COLLYER LSTSGU-23-246 43-26-05 UN 2"	1987	
14	7/11/14 0808	CSMC/IC GYRO 2-79-0-C	BLACK, COLLYER LSTSGU-23-246 43-26-05 UN 2"	1987	
15	7/11/14 0815	PASSAGEWAY 2-140-01-L	BLACK, COLLYER TSOF-42-STD PVC 2-1/2"	1981	
16	7/11/14 0825	TRUNK 2-187-2-T	WHITE, MONROE CABLE CO LSTSGU-14-M24643/16-04UN 1-1/2"	2004	
17	7/11/14 0830	AUX MACHINERY ROOM #2 5-212-0-E	BLACK, MONROE CO LSTTUS M2463/23 XLPOLYO 1-1/2"	2002	
18	7/11/14 0835	AUX MACHINERY ROOM #2 5-212-0-E	BLACK, MONROE CABLE CORP LSDHOF-4 M24643/3	1992	
19	7/11/14 0840	MAIN ENGINE ROOM U/L 5-250-0-E	BLACK, BICC GENERAL LSDSGU-100 M24643/16 2-1/2"	2001	
20	7/11/14 0910	TACTAS 2-388-2-Q	GRAY, PLASTOID CO PP2855 ½"	1986	

Vessel Name and Hull Number: ex- HAWES FFG-53

OIL SAMPLING LOG-IN SHEET (5 Samples of Oil and 5 Samples of Grease Required)				
Smpl No.	Smpl Date Time	Location (Compartment Name/Number)	DESCRIPTION OF OILS/GREASES (Lube, Hydraulic Oils and/or grease and equipment retrieved from): Sample Size: 1/4" to 1"depth	Result
21	7/11/14 1025	AVIATION STOREROOM #3 2-407-0-A	GREASE, AFT CAPSTAN,	
22	7/11/14 1033	AFTER STEERING 5-368-01-E	HYDRAULIC OIL, STEERING GEAR	
23	7/11/14 1040	AFTER STEERING 5-368-01-E	GREASE, STEERING GEAR	
24	7/11/14 1048	RAST MACHINERY ROOM 2-388-0-E	GREASE, RAST MOTOR	
25	7/11/14 1244	AUX MACHINERY ROOM #1 5-180-0-E	GREASE, FIN SYST. INBOARD BEARING	
26	7/11/14 1306	MAIN ENGINE ROOM L/L 5-250-0-E	LUBE OIL, LUBE PUMP FILTER SYSTEM	
27	7/11/14 1321	NIXIE ROOM #2 2-397-1-Q	GREASE, NIXIE WINCH BRAKE	
28	7/11/14 1359	AUX MACHINERY ROOM #1 5-212-0-E	LUBE OIL, GENERATOR	
29	7/11/14 1416	PASSAGEWAY 1-212-0-L	HYDRAULIC OIL, PORT BYPASS VALVE	
30	7/11/14 1437	GENERAL WORKSHOP 2-292-2-Q	LUBE OIL, LUBE OIL STORAGE TANK	

Vessel Name and Hull Number: ex- HAWES FFG-53

VENTILATION GASKET SAMPLING LOG-IN SHEET 10 Samples Required				
Smpl No.	Smpl Date Time	Location (Compartment Name/Number)	DESCRIPTION OF VENTILATION GASKET (Rubber/Wool Felt, etc) Sample Size: 2" Strip	Result
31	7/14/14 0752	MK-92 EQUIP. ROOM 02-116-1-Q	BLACK RUBBER	
32	7/14/14 0815	SONAR CONTROL 01-140-0-C	BLACK RUBBER	
33	7/14/14 0823	CMC OFFICE 01-204-2-Q	BLACK RUBBER	
34	7/14/14 0840	PASSAGEWAY 1-212-0-L	BLACK RUBBER	
35	7/14/14 0853	WINDLASS ROOM 2-32-0-Q	BLACK RUBBER	
36	7/14/14 0912	CCS 2-292-01-C	BLACK RUBBER	
37	7/14/14 0921	REPAIR #3 2-344-2-A	BLACK RUBBER	
38	7/14/14 0930	NIXIE ROOM #2 2-397-1-Q	BLACK RUBBER	
39	7/14/14 0942	PASSAGEWAY 1-108-2-L	BLACK RUBBER	
40	7/14/14 0953	PASSAGEWAY 3-188-0-L	BLACK RUBBER	

Vessel Name and Hull Number: ex- HAWES FFG-53

BULKHEAD INSULATION SAMPLING LOG-IN SHEET (5 Samples Required)				
Smpl No.	Smpl Date Time	Location (Compartment Name/Number)	DESCRIPTION OF INSULATION (Type, Color, Etc.) Sample Size: 2-1/2" x 1/2"	Result
41	7/14/14 1020	SWITCHBOARD #1 3-180-2-C	YELLOW THERMAL	
42	7/14/14 1026	CCS 2-292-01-C	YELLOW ACOUSTIC	
43	7/14/14 1035	ELECTRICAL SHOP 2-316-2-Q	YELLOW THERMAL	
44	7/14/14 1043	TACTAS 2-388-2-Q	YELLOW THERMAL	
45	7/14/14 1054	FAN ROOM 2-244-2-Q	YELLOW ACOUSTIC	

RUBBER APPLICATION SAMPLING LOG-IN SHEET (5 Samples Required)				
Smpl No.	Smpl Date Time	Location (Compartment Name/Number)	DESCRIPTION (SEE NOTE BELOW) Sample Size: 2-1/2" x 1/2"	Result
46	7/14/14 1245	CIC 01-113-0-C	BLACK RUBBER, ELECTRICAL CHANNEL	
47	7/14/14 1303	PILOT HOUSE 02-100-0-C	BLACK RUBBER , SHOCK MOUNT	
48	7/14/14 1310	STIR 01-193-0-Q	BLACK RUBBER, PIPE HANGER	
49	7/14/14 1321	ARMORY 2-48-1-A	BLACK RUBBER, ELECTRICAL CHANNEL	
50	7/14/14 1337	PASSAGEWAY 2-368-01-L	BLACK RUBBER, PIPE HANGER	

Rubber applications (high temperature applications) include but are not limited to:
Isolation shock mounts for electronic equipment
Pipe hangar lines
Pipe Block hangers
NOT VENTILATION GASKETS

Vessel Name and Hull Number: ex- HAWES FFG-53

DOUBLE-BACKED ADHESIVE TAPE SAMPLING LOG-IN SHEET (5 Samples Required)				
Smpl No.	Smpl Date Time	Location (Compartment Name/Number)	DESCRIPTION OF EQUIPMENT (Where Retrieved and color) Sample Size: Strip	Result
51	7/14/14 1350	CIWS VESTUBULE 01-308-1-T	COMPARTMENT CHECKOFF LIST, BLACK TAPE	
52	7/14/14 1418	BERTHING 2-100-01-L	COMPARTMENT CHECKOFF LIST, BLACK TAPE	
53	7/14/14 1423	CLEANING GEAR STOREROOM 3-56-0-A	COMPARTMENT CHECKOFF LIST, BLACK TAPE	
54	7/14/14 1434	BARBER SHOP 2-140-0-Q	COMPARTMENT CHECKOFF LIST, BLACK TAPE	
55	7/14/14 1445	LAN STOREROOM 2-328-0-Q	COMPARTMENT CHECKOFF LIST, BLACK TAPE	

ALUMINIZED PAINT SAMPLING LOG-IN SHEET (5 Samples Required)				
Smpl No.	Smpl Date Time	Location (Compartment Name/Number)	DESCRIPTION OF EQUIPMENT WHERE RETRIEVED Sample Size: 1/8" to 1/4" depth in container	Result
56			NO ALUMINIZED PAINT OBSERVED ON BOARD	
57			NO ALUMINIZED PAINT OBSERVED ON BOARD	
58			NO ALUMINIZED PAINT OBSERVED ON BOARD	
59			NO ALUMINIZED PAINT OBSERVED ON BOARD	
60			NO ALUMINIZED PAINT OBSERVED ON BOARD	

Vessel Name and Hull Number: ex- HAWES FFG-53

FIELD BLANKS SAMPLING LOG-IN SHEET (2 Samples required: One after the 30th Sample and one after the last solid sample taken)				
Smpl No.	Smpl Date Time	Location (Compartment Name/Number)	DESCRIPTION	Result
FB-61	7/11/14 1439	GENERAL WORKSHOP 2-292-2-Q	AFTER SAMPLE 30	
FB-62	7/14/14 1500	LAN STOREROOM 2-328-0-Q	AFTER SAMPLE 55	

TOOL CHECKS SAMPLING LOG-IN SHEET (5 Samples required; One after every 10 Solid Samples and one after the last solid sample taken)				
Smpl No.	Smpl Date Time	Location (Compartment Name/Number)	DESCRIPTION	Result
TC-63	7/10/14 1450	REPAIR #2 2-55-1-A	TOOL BLANK #1	
TC-64	7/11/14 0915	TACTAS 2-388-2-Q	TOOL BLANK #2	
TC-65	7/14/14 0957	PASSAGEWAY 3-188-0-L	TOOL BLANK #3	
TC-66	7/14/14 1340	PASSAGEWAY 2-368-01-L	TOOL BLANK #4	
TC-67	7/14/14 1457	SHIP'S OFFICE 2-328-0-Q	TOOL BLANK #5	

Chain of Custody

Mid-Atlantic
Environmental Laboratories, Inc.
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New Castle, DE 19720-2700
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Fax: 302-654-1058
www.maelinc.com
mael@maelinc.com

CHAIN OF CUSTODY

Lab Use Only
Job # 41114 76

Client Name: Global - NISMO	Invoice To: Global	Sample On Ice: ☐ Yes x No	Data Format Requested: ☐ Results Only	Report Format: ☐ Fax
Address: 4701 S. 16th Street	Purchase Order #: PHL14-0377	Sample Disposal: ☐ Client X MAEL	x QC Package	X E-mail PDF
	Project Name: ex-HAWES FFG-53	Site Location: ☐ NJ X PA ☐ DE ☐ MD ☐ Other	☐ NJRDD + Hazsite ☐ NJFDD + Hazsite ☐ MDE	☐ Portal Posting Only
City, State, Zip: Philadelphia, PA 19112	Bottle Order # Quote # 20140630J		☐ Excel Summary	

Contact Name: Jim Sirles
Phone # 215-897-6753
Fax # 215-897-6297
E-mail: james.sirles.ctr@navy.mil
Remarks: SEE ATTACHED SAMPLING LOG

Regulatory Program
☐ DERBCAP ☐ PA UST
☐ PA Clean Fill ☐ PA ACT II
☐ NJGWQC ☐ NJ SRP
☐ NJ UST ☐ MDE
☐ Site Specific ☐ Non regulatory
☐ Other (Specify): NAVSEA

Failure to include regulatory program may result in PQLs incompatible to regulatory limit. If not specified, assumed to be non-regulatory.

Turn Around Time
☐ <24 Hours (Same Day)
☐ 24 Hours (Next Day)
☐ 48 Hours (2 Days)
☐ 72 Hours (3 Days)
☐ 96 Hours (4 Days)
X Standard (1 Week)
☐ 2 Weeks
☐ Other – Specify

Laboratory Sample #	Client Sample ID	Sampling Info Date	Sampling Info Time	AM PM	Sampled By:	Sample Type Grab	Sample Type Comp	Matrix	# Cntrs	Analysis Requested
41114-1-62										

Bottles Supplied By MAEL? Yes NoX | Logged By: [signature] 7/17/14 | QA Reviewed: | Page of

Relinquished By: James Sirles	Date: 7/17/14	Time: 1935	Received By: [signature]	Date: 7/17/14	Time: 14:35
Relinquished By: [signature]	Date: 7/17/14	Time: 15:35	Received By: [signature]	Date: 7/17/14	Time: 15:35

All samples are disposed 30 days after receipt unless otherwise requested. By signing this Chain of Custody Agreement, customer expressly agrees to pay Mid-Atlantic Environmental Laboratories, Inc. for all charges reasonably incurred in connection with analysis and reporting of these samples

Sample Temperature	
Temp as Read	
Temp Corrected	

NSF Certified DE NJ
NJ - 06903 PA - 68-00585
DE certification - MD certification

ADDENDUM TO POLYCHLORINATED BIPHENYL SAMPLING AND ANALYSIS LOGIN SHEETS AND ANALYSIS REPORT _____**of**

Subj: PCB SAMPLING AND ANALYSIS SURVEY FOR **ex- HAWES FFG-53**
Ref: (a) COMNAVSEASYSCOM WASHINGTON DC ltr 4770 Ser 00T/248 of 21 Sep 95
(Subj: NAVSEA PCB Advisory 95-1)

1. The following statement is provided regarding the number of samples taken as required by reference (a):

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10 Samples of VENTILATION DUCT GASKETS were taken.

5 Samples of BULKHEAD INSULATION were taken

10 Samples of OILS AND GREASES were taken.

5 Samples of DOUBLE-BACKED ADHESIVE TAPE were taken

0 Sample of ALUMINIZED PAINT were taken

5 Samples of RUBBER APPLICATIONS (i.e., shock mounts, hatch gaskets, pipe hangars, etc.) were taken

7 Quality Control Samples (FIELD BLANKS and TOOL CHECKS) were taken.

2. A representative sample was taken of each of the applications identified above. No other applications meeting the criteria of reference (a) were available for sampling on board.

JAMILE KING	GEORGE GOINS
SAMPLER(S)	SAMPLER(S)
Printed Name	Printed Name

Vessel Name and Hull Number: ex- HAWES FFG-53

ELECTRICAL CABLING SAMPLING LOG-IN SHEET (20 Samples required)					
Smpl No.	Smpl Date Time	Location (Compartment Name/Number)	DESCRIPTION OF CABLE (Size, Color, Manufacturer, MIL-SPEC, etc) Sample Size: 2-1/2" x 1/4"	Cable Year	Result
1	7/10/14 0856	CIC 01-113-0-C	GRAY, CHESTER CABLE MNW-7 SPL PVC 1-1/4"	1981	
2	7/10/14 0915	SONAR CONTROL 01-140-0-C	BLACK, OKONITE CO. PLT 3 LS-TSGU-50 MZ4643/16-U6UN 2-1/2"	1987	
3	7/10/14 0932	RADIO 01-156-0-C	BLACK, MONROE CABLE CO, INC LS2U-15 M24643145-02U0XL POLY, 1-1/2"	1998	
4	7/10/14 0943	TRANSMITTER ROOM 01-156-1-C	GRAY, CHESTER CABLE MNW-10 SPL PVC 1"	1981	
5	7/10/14 1053	NAV AIR 01-180-0-Q	GRAY, COLLYERSSGU-50 SPL PVC 1-1/4"	1984	
6	7/10/14 1230	RICER 1-100-0-Q	BLACK, CONTINENTAL CABLE LSTSGU M2464/16-01UN XL POLYO 1-1/4"	1992	
7	7/10/14 1309	TACTAS 2-388-2-Q	BLACK, AIW CORP TYPE LSTNW-3 M24643/48 01UN XLPOLYO 1"	1988	
8	7/10/14 1328	COC 2-328-0-Q	BLACK, BICC CRAND REX LSTTSU M24643/23-01UN XLPOLYO 1-1/2"	1998	
9	7/10/14 1430	MEDICAL 2-152-2-L	GRAY, BRAND REX TTSU-SP-L PVC 1-1/2"	1982	
10	7/10/14 1445	REPAIR #2 2-55-1-A	BLACK, COLLYER LSDGU-3 M24643/15-01UN ¾"	1980	
11	7/11/14 0747	REPAIR #2 2-55-1-A	BLACK, CAROL CABLE CO WEST THOF-42 NEOP 2-1/2"	1982	

Vessel Name and Hull Number: ex- HAWES FFG-53

ELECTRICAL CABLING SAMPLING LOG-IN SHEET (20 Samples required)					
Smpl No.	Smpl Date Time	Location (Compartment Name/Number)	DESCRIPTION OF CABLE (Size, Color, Manufacturer, MIL-SPEC, etc) Sample Size: 2-1/2" x 1/4"	Cable Year	Result
12	7/11/14 0754	PASSAGEWAY 2-40-2-L	GRAY, COLLYER CO TSGU-75 SPL PVC 2-1/2"	1982	
13	7/11/14 0802	CSMC/IC GYRO 2-79-0-C	BLACK MONROE CABLE CO LS3SU-3 M24643 XLPOLYO ¾"COLLYER LSTSGU-23-246 43-26-05 UN 2"	1987	
14	7/11/14 0808	CSMC/IC GYRO 2-79-0-C	BLACK, COLLYER LSTSGU-23-246 43-26-05 UN 2"	1987	
15	7/11/14 0815	PASSAGEWAY 2-140-01-L	BLACK, COLLYER TSOF-42-STD PVC 2-1/2"	1981	
16	7/11/14 0825	TRUNK 2-187-2-T	WHITE, MONROE CABLE CO LSTSGU-14-M24643/16-04UN 1-1/2"	2004	
17	7/11/14 0830	AUX MACHINERY ROOM #2 5-212-0-E	BLACK, MONROE CO LSTTUS M2463/23 XLPOLYO 1-1/2"	2002	
18	7/11/14 0835	AUX MACHINERY ROOM #2 5-212-0-E	BLACK, MONROE CABLE CORP LSDHOF-4 M24643/3	1992	
19	7/11/14 0840	MAIN ENGINE ROOM U/L 5-250-0-E	BLACK, BICC GENERAL LSDSGU-100 M24643/16 2-1/2"	2001	
20	7/11/14 0910	TACTAS 2-388-2-Q	GRAY, PLASTOID CO PP2855 ½"	1986	

Vessel Name and Hull Number: ex- HAWES FFG-53

OIL SAMPLING LOG-IN SHEET (5 Samples of Oil and 5 Samples of Grease Required)				
Smpl No.	Smpl Date Time	Location (Compartment Name/Number)	DESCRIPTION OF OILS/GREASES (Lube, Hydraulic Oils and/or grease and equipment retrieved from): Sample Size: 1/4" to 1"depth	Result
21	7/11/14 1025	AVIATION STOREROOM #3 2-407-0-A	GREASE, AFT CAPSTAN,	
22	7/11/14 1033	AFTER STEERING 5-368-01-E	HYDRAULIC OIL, STEERING GEAR	
23	7/11/14 1040	AFTER STEERING 5-368-01-E	GREASE, STEERING GEAR	
24	7/11/14 1048	RAST MACHINERY ROOM 2-388-0-E	GREASE, RAST MOTOR	
25	7/11/14 1244	AUX MACHINERY ROOM #1 5-180-0-E	GREASE, FIN SYST. INBOARD BEARING	
26	7/11/14 1306	MAIN ENGINE ROOM L/L 5-250-0-E	LUBE OIL, LUBE PUMP FILTER SYSTEM	
27	7/11/14 1321	NIXIE ROOM #2 2-397-1-Q	GREASE, NIXIE WINCH BRAKE	
28	7/11/14 1359	AUX MACHINERY ROOM #1 5-21Z-0-E	LUBE OIL, GENERATOR	
29	7/11/14 1416	PASSAGEWAY 1-212-0-L	HYDRAULIC OIL, PORT BYPASS VALVE	
30	7/11/14 1437	GENERAL WORKSHOP 2-292-2-Q	LUBE OIL, LUBE OIL STORAGE TANK	

Vessel Name and Hull Number: ex- HAWES FFG-53

VENTILATION GASKET SAMPLING LOG-IN SHEET 10 Samples Required				
Smpl No.	Smpl Date Time	Location (Compartment Name/Number)	DESCRIPTION OF VENTILATION GASKET (Rubber/Wool Felt, etc) Sample Size: 2" Strip	Result
31	7/14/14 0752	MK-92 EQUIP. ROOM 02-116-1-Q	BLACK RUBBER	
32	7/14/14 0815	SONAR CONTROL 01-140-0-C	BLACK RUBBER	
33	7/14/14 0823	CMC OFFICE 01-204-2-Q	BLACK RUBBER	
34	7/14/14 0840	PASSAGEWAY 1-212-0-L	BLACK RUBBER	
35	7/14/14 0853	WINDLASS ROOM 2-32-0-Q	BLACK RUBBER	
36	7/14/14 0912	CCS 2-292-01-C	BLACK RUBBER	
37	7/14/14 0921	REPAIR #3 2-344-2-A	BLACK RUBBER	
38	7/14/14 0930	NIXIE ROOM #2 2-397-1-Q	BLACK RUBBER	
39	7/14/14 0942	PASSAGEWAY 1-108-2-L	BLACK RUBBER	
40	7/14/14 0953	PASSAGEWAY 3-188-0-L	BLACK RUBBER	

Vessel Name and Hull Number: ex- HAWES FFG-53

BULKHEAD INSULATION SAMPLING LOG-IN SHEET (5 Samples Required)				
Smpl No.	Smpl Date Time	Location (Compartment Name/Number)	DESCRIPTION OF INSULATION (Type, Color, Etc.) Sample Size: 2-1/2" x 1/2"	Result
41	7/14/14 1020	SWITCHBOARD #1 3-180-2-C	YELLOW THERMAL	
42	7/14/14 1026	CCS 2-292-01-C	YELLOW ACOUSTIC	
43	7/14/14 1035	ELECTRICAL SHOP 2-316-2-Q	YELLOW THERMAL	
44	7/14/14 1043	TACTAS 2-388-2-Q	YELLOW THERMAL	
45	7/14/14 1054	FAN ROOM 2-244-2-Q	YELLOW ACOUSTIC	

RUBBER APPLICATION SAMPLING LOG-IN SHEET (5 Samples Required)				
Smpl No.	Smpl Date Time	Location (Compartment Name/Number)	DESCRIPTION (SEE NOTE BELOW) Sample Size: 2-1/2" x 1/2"	Result
46	7/14/14 1245	CIC 01-113-0-C	BLACK RUBBER, ELECTRICAL CHANNEL	
47	7/14/14 1303	PILOT HOUSE 02-100-0-C	BLACK RUBBER , SHOCK MOUNT	
48	7/14/14 1310	STIR 01-193-0-Q	BLACK RUBBER, PIPE HANGER	
49	7/14/14 1321	ARMORY 2-48-1-A	BLACK RUBBER, ELECTRICAL CHANNEL	
50	7/14/14 1337	PASSAGEWAY 2-368-01-L	BLACK RUBBER, PIPE HANGER	

Rubber applications (high temperature applications) include but are not limited to:
Isolation shock mounts for electronic equipment
Pipe Block hangers
Pipe hangar lines
NOT VENTILATION GASKETS

Vessel Name and Hull Number: ex- HAWES FFG-53

DOUBLE-BACKED ADHESIVE TAPE SAMPLING LOG-IN SHEET (5 Samples Required)				
Smpl No.	Smpl Date Time	Location (Compartment Name/Number)	DESCRIPTION OF EQUIPMENT (Where Retrieved and color) Sample Size: Strip	Result
51	7/14/14 1350	CIWS VESTUBULE 01-308-1-T	COMPARTMENT CHECKOFF LIST, BLACK TAPE	
52	7/14/14 1418	BERTHING 2-100-01-L	COMPARTMENT CHECKOFF LIST, BLACK TAPE	
53	7/14/14 1423	CLEANING GEAR STOREROOM 3-56-0-A	COMPARTMENT CHECKOFF LIST, BLACK TAPE	
54	7/14/14 1434	BARBER SHOP 2-140-0-Q	COMPARTMENT CHECKOFF LIST, BLACK TAPE	
55	7/14/14 1445	LAN STOREROOM 2-328-0-Q	COMPARTMENT CHECKOFF LIST, BLACK TAPE	

ALUMINIZED PAINT SAMPLING LOG-IN SHEET (5 Samples Required)				
Smpl No.	Smpl Date Time	Location (Compartment Name/Number)	DESCRIPTION OF EQUIPMENT WHERE RETRIEVED Sample Size: 1/8" to 1/4" depth in container	Result
56			NO ALUMINIZED PAINT OBSERVED ON BOARD	
57			NO ALUMINIZED PAINT OBSERVED ON BOARD	
58			NO ALUMINIZED PAINT OBSERVED ON BOARD	
59			NO ALUMINIZED PAINT OBSERVED ON BOARD	
60			NO ALUMINIZED PAINT OBSERVED ON BOARD	

Vessel Name and Hull Number: ex- HAWES FFG-53

FIELD BLANKS SAMPLING LOG-IN SHEET (2 Samples required: One after the 30th Sample and one after the last solid sample taken)				
Smpl No.	Smpl Date Time	Location (Compartment Name/Number)	DESCRIPTION	Result
FB-61	7/11/14 1439	GENERAL WORKSHOP 2-292-2-Q	AFTER SAMPLE 30	
FB-62	7/14/14 1500	LAN STOREROOM 2-328-0-Q	AFTER SAMPLE 55	

TOOL CHECKS SAMPLING LOG-IN SHEET (5 Samples required; One after every 10 Solid Samples and one after the last solid sample taken)				
Smpl No.	Smpl Date Time	Location (Compartment Name/Number)	DESCRIPTION	Result
TC-63	7/10/14 1450	REPAIR #2 2-55-1-A	TOOL BLANK #1	
TC-64	7/11/14 0915	TACTAS 2-388-2-Q	TOOL BLANK #2	
TC-65	7/14/14 0957	PASSAGEWAY 3-188-0-L	TOOL BLANK #3	
TC-66	7/14/14 1340	PASSAGEWAY 2-368-01-L	TOOL BLANK #4	
TC-67	7/14/14 1457	SHIP'S OFFICE 2-328-0-Q	TOOL BLANK #5	

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Internal Chain of Custody - PCBs

Sample Number(s) Associated with this Chain of Custody: 41114
Sample Matrix: Solid

Relinquished By:	Date	Time	Sample Type:	Received By:	Date	Time	Sample Type:
	07/17/14	15:50	S	Refrigerator	07/17/14	15:50	S
Refrigerator	07/21/14	8:30	S		07/21/14	8:30	S
	07/21/14	10:10	S	Refrigerator	07/21/14	10:10	S
	07/21/14	11:40	E	Freezer	07/21/14	11:40	E
Freezer	07/22/14	15:50	E		07/22/14	15:50	E
Freezer	07/23/14	8:20	E		07/23/14	8:20	E
Freezer	07/24/14	9:30	E		07/24/14	9:30	E

Original Sample (S) Digestate (D) TCLP Extract (T)
Extract (E) ZHE TCLP Extract (Z)

Laboratory Chronicle

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Laboratory Chronicle

Job ID	41114
Date / Time Received	07/17/2014 3:35:54 PM

Sample ID	41114-1
Matrix	Solid

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A				7/22/2014 7:49:00 PM

Sample ID	41114-2
Matrix	Solid

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A				7/22/2014 8:16:00 PM

Sample ID	41114-3
Matrix	Solid

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A				7/22/2014 8:43:00 PM

Sample ID	41114-4
Matrix	Solid

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A				7/22/2014 9:10:00 PM

Sample ID	41114-5
Matrix	Solid

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A				7/22/2014 9:37:00 PM

Sample ID	41114-6
Matrix	Solid

Mid-Atlantic Environmental Laboratories, Inc.

Laboratory Chronicle

Job ID	41114
Date / Time Received	07/17/2014 3:35:54 PM

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A				7/22/2014 10:03:00 PM

Sample ID	41114-7
Matrix	Solid

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A				7/22/2014 10:30:00 PM

Sample ID	41114-8
Matrix	Solid

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A				7/22/2014 10:57:00 PM

Sample ID	41114-9
Matrix	Solid

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A				7/22/2014 11:24:00 PM

Sample ID	41114-10
Matrix	Solid

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A				7/22/2014 11:51:00 PM

Sample ID	41114-11
Matrix	Solid

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A				7/23/2014 12:18:00 AM

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Laboratory Chronicle

Job ID	41114
Date / Time Received	07/17/2014 3:35:54 PM

Sample ID	41114-12				
Matrix	Solid				
Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A				7/23/2014 12:45:00 AM

Sample ID	41114-13				
Matrix	Solid				
Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A				7/23/2014 1:12:00 AM

Sample ID	41114-14				
Matrix	Solid				
Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A				7/23/2014 1:39:00 AM

Sample ID	41114-15				
Matrix	Solid				
Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A				7/24/2014 1:41:00 PM

Sample ID	41114-16				
Matrix	Solid				
Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A				7/24/2014 12:04:00 PM

Sample ID	41114-17
Matrix	Solid

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Laboratory Chronicle

Job ID	41114
Date / Time Received	07/17/2014 3:35:54 PM

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A				7/24/2014 12:31:00 PM

Sample ID	41114-18
Matrix	Solid

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A				7/23/2014 3:27:00 AM

Sample ID	41114-19
Matrix	Solid

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A				7/23/2014 3:54:00 AM

Sample ID	41114-20
Matrix	Solid

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A				7/23/2014 4:22:00 AM

Sample ID	41114-21
Matrix	Solid

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A				7/23/2014 9:35:00 PM

Sample ID	41114-22
Matrix	Oil

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Oil	8082A				7/23/2014 10:02:00 PM

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Laboratory Chronicle

Job ID	41114
Date / Time Received	07/17/2014 3:35:54 PM

Sample ID	41114-23
Matrix	Solid

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A				7/23/2014 10:29:00 PM

Sample ID	41114-24
Matrix	Solid

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A				7/23/2014 10:56:00 PM

Sample ID	41114-25
Matrix	Solid

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A				7/23/2014 11:23:00 PM

Sample ID	41114-26
Matrix	Oil

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Oil	8082A				7/23/2014 11:50:00 PM

Sample ID	41114-27
Matrix	Solid

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A				7/24/2014 12:17:00 AM

Sample ID	41114-28
Matrix	Oil

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Laboratory Chronicle

Job ID	41114
Date / Time Received	07/17/2014 3:35:54 PM

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Oil	8082A				7/24/2014 12:44:00 AM

Sample ID	41114-29
Matrix	Oil

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Oil	8082A				7/24/2014 1:11:00 AM

Sample ID	41114-30
Matrix	Oil

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Oil	8082A				7/24/2014 1:39:00 AM

Sample ID	41114-31
Matrix	Solid

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A				7/24/2014 2:06:00 AM

Sample ID	41114-32
Matrix	Solid

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A				7/24/2014 2:33:00 AM

Sample ID	41114-33
Matrix	Solid

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A				7/24/2014 3:00:00 AM

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Laboratory Chronicle

Job ID	41114
Date / Time Received	07/17/2014 3:35:54 PM

Sample ID	41114-34
Matrix	Solid

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A				7/24/2014 3:28:00 AM

Sample ID	41114-35
Matrix	Solid

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A				7/24/2014 3:55:00 AM

Sample ID	41114-36
Matrix	Solid

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A				7/24/2014 4:22:00 AM

Sample ID	41114-37
Matrix	Solid

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A				7/24/2014 4:49:00 AM

Sample ID	41114-38
Matrix	Solid

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A				7/24/2014 5:16:00 AM

Sample ID	41114-39
Matrix	Solid

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Laboratory Chronicle

Job ID	41114
Date / Time Received	07/17/2014 3:35:54 PM

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A				7/24/2014 5:43:00 AM

Sample ID	41114-40
Matrix	Solid

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A				7/24/2014 6:11:00 AM

Sample ID	41114-41
Matrix	Solid

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A				7/24/2014 12:04:00 PM

Sample ID	41114-42
Matrix	Solid

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A				7/24/2014 1:59:00 AM

Sample ID	41114-43
Matrix	Solid

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A				7/24/2014 2:20:00 PM

Sample ID	41114-44
Matrix	Solid

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A				7/24/2014 2:51:00 AM

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Job ID	41114
Date / Time Received	07/17/2014 3:35:54 PM

Sample ID	41114-45
Matrix	Solid

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A				7/24/2014 3:17:00 AM

Sample ID	41114-46
Matrix	Solid

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A				7/24/2014 3:43:00 AM

Sample ID	41114-47
Matrix	Solid

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A				7/24/2014 4:08:00 AM

Sample ID	41114-48
Matrix	Solid

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A				7/24/2014 4:34:00 AM

Sample ID	41114-49
Matrix	Solid

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A				7/24/2014 5:00:00 AM

Sample ID	41114-50
Matrix	Solid

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Laboratory Chronicle

Job ID	41114
Date / Time Received	07/17/2014 3:35:54 PM

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A				7/24/2014 5:26:00 AM

Sample ID	41114-51
Matrix	Solid

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A				7/24/2014 5:51:00 AM

Sample ID	41114-52
Matrix	Solid

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A				7/24/2014 6:17:00 AM

Sample ID	41114-53
Matrix	Solid

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A				7/24/2014 6:17:00 AM

Sample ID	41114-54
Matrix	Solid

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A				7/24/2014 7:09:00 AM

Sample ID	41114-55
Matrix	Solid

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A				7/24/2014 7:34:00 AM

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Laboratory Chronicle

Job ID	41114
Date / Time Received	07/17/2014 3:35:54 PM

Sample ID	41114-56				
Matrix	Wipes				
Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Wipe	8082A				7/24/2014 8:00:00 AM

Sample ID	41114-57				
Matrix	Wipes				
Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Wipe	8082A				7/24/2014 8:26:00 AM

Sample ID	41114-58				
Matrix	Wipes				
Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Wipe	8082A				7/24/2014 8:51:00 AM

Sample ID	41114-59				
Matrix	Wipes				
Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Wipe	8082A				7/24/2014 9:17:00 AM

Sample ID	41114-60				
Matrix	Wipes				
Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Wipe	8082A				7/24/2014 9:42:00 AM

Sample ID	41114-61
Matrix	Wipes

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Laboratory Chronicle

Job ID	41114
Date / Time Received	07/17/2014 3:35:54 PM

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Wipe	8082A				7/24/2014 10:08:00 AM

Sample ID	41114-62
Matrix	Wipes

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Wipe	8082A				7/24/2014 10:34:00 AM

Methodology Summary

Methodology Summary

Lab Project #: 41114

41114-1

Analysis	Method ID
PCBs - Non-aqueous	8082A

41114-2

Analysis	Method ID
PCBs - Non-aqueous	8082A

41114-3

Analysis	Method ID
PCBs - Non-aqueous	8082A

41114-4

Analysis	Method ID
PCBs - Non-aqueous	8082A

41114-5

Analysis	Method ID
PCBs - Non-aqueous	8082A

41114-6

Analysis	Method ID
PCBs - Non-aqueous	8082A

41114-7

Analysis	Method ID
PCBs - Non-aqueous	8082A

41114-8

Analysis	Method ID
PCBs - Non-aqueous	8082A

41114-9

Analysis	Method ID
PCBs - Non-aqueous	8082A

41114-10

Analysis	Method ID
PCBs - Non-aqueous	8082A

41114-11

Analysis	Method ID
PCBs - Non-aqueous	8082A

41114-12

Analysis	Method ID
PCBs - Non-aqueous	8082A

41114-13

Analysis	Method ID
PCBs - Non-aqueous	8082A

41114-14

Analysis	Method ID
PCBs - Non-aqueous	8082A

Methodology Summary

Lab Project #: 41114

41114-15

Analysis	Method ID
PCBs - Non-aqueous	8082A

41114-16

Analysis	Method ID
PCBs - Non-aqueous	8082A

41114-17

Analysis	Method ID
PCBs - Non-aqueous	8082A

41114-18

Analysis	Method ID
PCBs - Non-aqueous	8082A

41114-19

Analysis	Method ID
PCBs - Non-aqueous	8082A

41114-20

Analysis	Method ID
PCBs - Non-aqueous	8082A

41114-21

Analysis	Method ID
PCBs - Non-aqueous	8082A

41114-22

Analysis	Method ID
PCBs - Oil	8082A

41114-23

Analysis	Method ID
PCBs - Non-aqueous	8082A

41114-24

Analysis	Method ID
PCBs - Non-aqueous	8082A

41114-25

Analysis	Method ID
PCBs - Non-aqueous	8082A

41114-26

Analysis	Method ID
PCBs - Oil	8082A

41114-27

Analysis	Method ID
PCBs - Non-aqueous	8082A

41114-28

Analysis	Method ID
PCBs - Oil	8082A

Methodology Summary

Lab Project #: 41114

41114-29

Analysis	Method ID
PCBs - Oil	8082A

41114-30

Analysis	Method ID
PCBs - Oil	8082A

41114-31

Analysis	Method ID
PCBs - Non-aqueous	8082A

41114-32

Analysis	Method ID
PCBs - Non-aqueous	8082A

41114-33

Analysis	Method ID
PCBs - Non-aqueous	8082A

41114-34

Analysis	Method ID
PCBs - Non-aqueous	8082A

41114-35

Analysis	Method ID
PCBs - Non-aqueous	8082A

41114-36

Analysis	Method ID
PCBs - Non-aqueous	8082A

41114-37

Analysis	Method ID
PCBs - Non-aqueous	8082A

41114-38

Analysis	Method ID
PCBs - Non-aqueous	8082A

41114-39

Analysis	Method ID
PCBs - Non-aqueous	8082A

41114-40

Analysis	Method ID
PCBs - Non-aqueous	8082A

41114-41

Analysis	Method ID
PCBs - Non-aqueous	8082A

41114-42

Analysis	Method ID
PCBs - Non-aqueous	8082A

Methodology Summary

Lab Project #: 41114

41114-43

Analysis	Method ID
PCBs - Non-aqueous	8082A

41114-44

Analysis	Method ID
PCBs - Non-aqueous	8082A

41114-45

Analysis	Method ID
PCBs - Non-aqueous	8082A

41114-46

Analysis	Method ID
PCBs - Non-aqueous	8082A

41114-47

Analysis	Method ID
PCBs - Non-aqueous	8082A

41114-48

Analysis	Method ID
PCBs - Non-aqueous	8082A

41114-49

Analysis	Method ID
PCBs - Non-aqueous	8082A

41114-50

Analysis	Method ID
PCBs - Non-aqueous	8082A

41114-51

Analysis	Method ID
PCBs - Non-aqueous	8082A

41114-52

Analysis	Method ID
PCBs - Non-aqueous	8082A

41114-53

Analysis	Method ID
PCBs - Non-aqueous	8082A

41114-54

Analysis	Method ID
PCBs - Non-aqueous	8082A

41114-55

Analysis	Method ID
PCBs - Non-aqueous	8082A

41114-56

Analysis	Method ID
PCBs - Wipe	8082A

Methodology Summary

Lab Project #: 41114

41114-57

Analysis	Method ID
PCBs - Wipe	8082A

41114-58

Analysis	Method ID
PCBs - Wipe	8082A

41114-59

Analysis	Method ID
PCBs - Wipe	8082A

41114-60

Analysis	Method ID
PCBs - Wipe	8082A

41114-61

Analysis	Method ID
PCBs - Wipe	8082A

41114-62

Analysis	Method ID
PCBs - Wipe	8082A

Methodology Summary

Lab Project #: 41114

All analyses are adapted from one or more of the following reference methods:

"Guidelines Establishing Test Procedures for the Analysis of Pollutants"' Code of Federal Regulations, Vol. 40, Part 136
"Test Methods for Evaluating Solid Waste", SW846 Third Edition, September 1986, USEPA.
Code of Federal Regulations Vol. 40, Part 261, "Appendix II _ Method 1311 Toxicity Characteristic Leaching Procedure (TCLP)".
Standard Methods for the Examination of Water and Wastewater", 20th edition
"Methods for the Chemical Analysis of Water and Wastes", EPA600/4-79-020, March 1983, U.S. EPA, EMSL
"Annual Book of Standards, Section 11-Water", American Society for Testing and Materials (ASTM)
"Methods for the Determination of Organic Compounds in Drinking Water", EPA 600/4-88/039, December 1988

If applicable, all modifications to the standard methods are decribed in the following pages.

Abbreviations

U	Not Detected	B	Compound found in Method Blank
E	Estimated Concentration	J	Compound detected below reportable reporting limit, result estimated
NFL	No Free Liquid		
NR	Not Reactive	NA	Not Applicable
NS	Not Requested	NI	Not Ignitable
<	Less than the MDL or PQL	ND	Not Detected
NP	No PCB pattern detected	MDL	Method Detection Limit - specified by either the method or determined by performing an MDL study
LCS	Laboratory Control Sample		
BS	Blank Spike (Method Spike)		
MS/MSD	Matrix Spike/Matrix Spike Duplicate	PQL	Practical Quantitation Level
RSD	Relative Standard Deviation	RPD	Relative Percent Difference
NTU	Nephelometric Turbidity Units	umhos	Conductivity Units
deg. C	Degrees Celsius	ohms	Resistivity Units
deg. F	Degrees Fahrenheit	L	Liter
ppb	Parts Per Billion	ppm	Parts Per Million
ug	Microgram (1000 ug = 1 mg)	mg	Milligram (1000 mg = 1 g)
g	gram (1000 g = 1Kg)	kg	Kilogram
ul	Microliter (1000 ul = 1 ml)	ml	Milliliter (1000 ml = 1 L)
S.U.	Standard Unit		

PCBs

Mid Atlantic
Environmental Laboratories, Inc.

PCB Batch QC Summary

Instrument: 1A **Matrix:** Solid
Column: RTX-CLP 30 m x 1.5 um x 0.5 um I.D.
Date Analyzed: 07/22/2014 **Analytical Batch #:** 072214 1a **Prep Batch #:** 072114PCB

Laboratory Control Sample (Method Spike) and Matrix Spike/Matrix Spike Duplicate concentration: 500 ppb (QC +/- 30%)
Initial Calibration (ICV) and Continuing Calibration (CCV) concentration:500 ppb (QC +/- 30%)
Instrument and Method Blanks are to be less than 100 ppb *Initial weight: Final volume: 0.8g / 8mL*

Sample Number	Date Received	Date Extracted	TCMX found	TCMX % Recovery	DCB found	DCB % Recovery	Conc Found	AR1016 % Recovery	AR1260 % Recovery
CCV	NA	NA	48.1878	96.4	49.2047	98.4		98.0	85.2
MB #072114	NA	7/21/2014	45.0818	90.2	51.9078	103.8	ND		
LCS #072114	NA	7/21/2014	54.6877	109.4	42.8329	85.7		94.5	85.0
41114-1	07/17/14	7/21/2014	48.1759	96.4	54.3587	108.7	ND		
41114-2	07/17/14	7/21/2014	45.0297	90.1	57.9243	115.8	ND		
41114-3	07/17/14	7/21/2014	37.0934	74.2	54.0080	108.0	ND		
41114-4	07/17/14	7/21/2014	42.0721	84.1	62.1457	124.3	ND		
41114-5	07/17/14	7/21/2014	51.1049	102.2	56.5474	113.1	ND		
41114-6	07/17/14	7/21/2014	51.3230	102.6	64.0658	128.1	ND		
41114-7	07/17/14	7/21/2014	46.5238	93.0	59.3639	118.7	ND		
41114-8	07/17/14	7/21/2014	42.5588	85.1	51.6189	103.2	ND		
41114-9	07/17/14	7/21/2014	49.2905	98.6	35.4194	70.8	ND		
41114-10	07/17/14	7/21/2014	59.3967	118.8	61.3118	122.6	ND		
41114-11	07/17/14	7/21/2014	48.9269	97.9	55.2815	110.6	ND		
41114-12	07/17/14	7/21/2014	50.9210	101.8	60.3750	120.8	ND		
41114-13	07/17/14	7/21/2014	56.2861	112.6	59.4491	118.9	ND		
41114-14	07/17/14	7/21/2014	38.4943	77.0	56.7833	113.6	ND		
41114-18	07/17/14	7/21/2014	47.0051	94.0	55.8371	111.7	ND		
41114-19	07/17/14	7/21/2014	52.9372	105.9	61.8505	123.7	ND		
41114-20	07/17/14	7/21/2014	46.3477	92.7	61.7440	123.5	ND		
CCV	NA	NA	54.2305	108.5	62.5440	125.1		111.5	92.0

[1] Matrix Interference
[2] Outside method limits but within laboratory acceptance limits
[3] Surrogate diluted out
[4] Sample concentration exceeds spike concentration
[5] Sample not spiked/spiked incorrectly
[6] Outside method limits

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PCB Batch QC Summary

Instrument: 1A **Matrix:** Soli
Column: RTX-CLP 30 m x 1.5 um x 0.5 um I.D.
Date Analyzed: 07/23/2014 **Analytical Batch #:** 072314 1a **Prep Batch #:** 072114PCB

Laboratory Control Sample (Method Spike) and Matrix Spike/Matrix Spike Duplicate concentration: 500 ppb (QC +/- 30%)
Initial Calibration (ICV) and Continuing Calibration (CCV) concentration:500 ppb (QC +/- 30%)
Instrument and Method Blanks are to be less than 100 ppb *Initial weight.Final volume: 10ml*

Sample Number	Date Received	Date Extracted	TCMX found	TCMX % Recovery	DCB found	DCB % Recovery	Conc Found	AR1016 % Recovery	AR1260 % Recovery
CCV	NA	NA	56.1736	112.3	41.5181	83.0		84.0	98.4
MB #072114	NA	7/21/2014	59.7197	119.4	63.9185	127.8	ND		
LCS #072114	NA	7/21/2014	49.0150	98.0	57.5504	115.1		120.2	110.2
41114-21	07/17/14	7/21/2014	54.9228	109.8	47.6159	95.2	ND		
41114-22	07/17/14	7/21/2014	44.4283	88.9	57.5208	115.0	ND		
41114-23	07/17/14	7/21/2014	52.3294	104.7	54.5671	109.1	ND		
41114-24	07/17/14	7/21/2014	44.6823	89.4	58.5877	117.2	ND		
41114-25	07/17/14	7/21/2014	57.1385	114.3	61.1500	122.3	ND		
41114-26	07/17/14	7/21/2014	60.3584	120.7	48.2288	96.5	ND		
41114-27	07/17/14	7/21/2014	55.0707	110.1	48.6353	97.3	ND		
41114-28	07/17/14	7/21/2014	61.6597	123.3	43.7072	87.4	ND		
41114-29	07/17/14	7/21/2014	53.1523	106.3	59.7207	119.4	ND		
41114-30	07/17/14	7/21/2014	60.9957	122.0	54.7363	109.5	ND		
41114-31	07/17/14	7/21/2014	51.3679	102.7	58.7737	117.5	ND		
41114-32	07/17/14	7/21/2014	55.8988	111.8	56.3629	112.7	ND		
41114-33	07/17/14	7/21/2014	60.4225	120.8	60.7169	121.4	ND		
41114-34	07/17/14	7/21/2014	57.7962	115.6	48.8305	97.7	ND		
41114-35	07/17/14	7/21/2014	58.0518	116.1	51.8411	103.7	ND		
41114-36	07/17/14	7/21/2014	55.2096	110.4	59.0688	118.1	ND		
41114-37	07/17/14	7/21/2014	56.6450	113.3	51.0738	102.1	ND		
41114-38	07/17/14	7/21/2014	54.3714	108.7	60.9137	121.8	ND		
41114-39	07/17/14	7/21/2014	62.7775	125.6	55.8602	111.7	ND		
41114-40	07/17/14	7/21/2014	42.9455	85.9	56.0777	112.2	ND		
CCV	NA	NA	49.2060	98.4	43.7470	87.5		96.5	100.4

[1] Matrix Interference
[2] Outside method limits but within laboratory acceptance limits
[3] Surrogate diluted out
[4] Sample concentration exceeds spike concentration
[5] Sample not spiked/spiked incorrectly
[6] Outside method limits

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PCB Batch QC Summary

Instrument: 2A **Matrix:** Solid
Column: RTX-CLP 30 m x 1.5 um x 0.5 um I.D.
Date Analyzed: 07/23/2014 **Analytical Batch #:** 072314 2a **Prep Batch #:** 072114PCB

Laboratory Control Sample (Method Spike) and Matrix Spike/Matrix Spike Duplicate concentration: 500 ppb (QC +/- 30%)
Initial Calibration (ICV) and Continuing Calibration (CCV) concentration:500 ppb (QC +/- 30%)
Instrument and Method Blanks are to be less than 100 ppb *Initial weight. Final volume: 10ml*

Sample Number	Date Received	Date Extracted	TCMX found	TCMX % Recovery	DCB found	DCB % Recovery	Conc Found	AR1016 % Recovery	AR1260 % Recovery
CCV	NA	NA	45.6665	91.3	47.4126	94.8		116.3	111.5
MB #072114	NA	7/21/2014	57.1571	114.3	63.9086	127.8	ND		
LCS #072114	NA	7/21/2014	50.4933	101.0	53.7620	107.5		116.0	117.8
41114-41	07/17/14	7/21/2014	45.1789	90.4	48.1402	96.3	ND		
41114-42	07/17/14	7/21/2014	50.1696	100.3	51.0503	102.1	ND		
41114-44	07/17/14	7/21/2014	44.7746	89.5	49.3434	98.7	ND		
41114-45	07/17/14	7/21/2014	44.5950	89.2	49.3869	98.8	ND		
41114-46	07/17/14	7/21/2014	45.9324	91.9	60.9310	121.9	ND		
41114-47	07/17/14	7/21/2014	51.5743	103.1	46.1807	92.4	ND		
41114-48	07/17/14	7/21/2014	50.1696	100.3	51.0503	102.1	ND		
41114-49	07/17/14	7/21/2014	37.0778	74.2	40.2691	80.5	ND		
41114-50	07/17/14	7/21/2014	39.2647	78.5	40.7385	81.5	ND		
41114-51	07/17/14	7/21/2014	39.5600	79.1	44.7220	89.4	ND		
41114-52	07/17/14	7/21/2014	43.0670	86.1	46.7950	93.6	ND		
41114-53	07/17/14	7/21/2014	43.9270	87.9	56.0833	112.2	ND		
41114-54	07/17/14	7/21/2014	37.0181	74.0	42.6184	85.2	ND		
41114-55	07/17/14	7/21/2014	40.3515	80.7	36.7730	73.5	ND		
41114-56	07/17/14	7/21/2014	37.6248	75.2	38.0469	76.1	ND		
41114-57	07/17/14	7/21/2014	38.2137	76.4	35.0552	70.1	ND		
41114-58	07/17/14	7/21/2014	46.2535	92.5	43.1894	86.4	ND		
41114-59	07/17/14	7/21/2014	49.0543	98.1	46.1812	92.4	ND		
41114-60	07/17/14	7/21/2014	47.7176	95.4	48.0409	96.1	ND		
41114-61	07/17/14	7/21/2014	47.4009	94.8	46.0603	92.1	ND		
41114-62	07/17/14	7/21/2014	51.9268	103.9	50.0731	100.1	ND		
CCV	NA	NA	44.7544	89.5	44.4760	89.0		112.5	109.3

[1] Matrix Interference
[2] Outside method limits but within laboratory acceptance limits
[3] Surrogate diluted out
[4] Sample concentration exceeds spike concentration
[5] Sample not spiked/spiked incorrectly
[6] Outside method limits

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PCB Batch QC Summary

Instrument: 1A **Matrix:** Solid
Column: RTX-CLP 30 m x 1.5 um x 0.5 um I.D.
Date Analyzed: 07/24/2014 **Analytical Batch #:** 072414 1a **Prep Batch #:** 7212014

Laboratory Control Sample (Method Spike) and Matrix Spike/Matrix Spike Duplicate concentration: 500 ppb (QC +/- 30%)
Initial Calibration (ICV) and Continuing Calibration (CCV) concentration:500 ppb (QC +/- 30%)
Instrument and Method Blanks are to be less than 0.025 ppb *Initial weight: Final volume: 0.8g to 8ml*

Sample Number	Date Received	Date Extracted	TCMX found	TCMX % Recovery	DCB found	DCB % Recovery	Conc Found	AR1016 % Recovery	AR1260 % Recovery
CCV	NA	NA	55.7322	111.5	44.2083	88.4		98.0	99.7
41114-16	07/17/14	7/21/2014	59.1347	118.3	53.1527	106.3			
41114-17	07/17/14	7/21/2014	60.2533	120.5	54.8610	109.7			
41114-15	07/17/14	7/21/2014	52.9648	105.9	NA [1]	NA [1]			
41114-43	07/17/14	7/21/2014	51.0593	102.1	NA [1]	NA [1]			
CCV	NA	NA	45.1558	90.3	46.5605	93.1		81.7	103.8

[1] Matrix Interference
[2] Outside method limits but within laboratory acceptance limits
[3] Surrogate diluted out
[4] Sample concentration exceeds spike concentration
[5] Sample not spiked/spiked incorrectly
[6] Outside method limits

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f: 215-897-6098

5500
Ser 109/JS:hh
17 Jul 14

From: Project Manager, Global, NAVSEA Inactive Ships On-Site Maintenance Office, Philadelphia, PA
To: Director, Naval Sea Systems Command, Inactive Ships On-Site Maintenance Office, Philadelphia, PA

Subj: DECLASSIFICATION OF EX-HAWES (FFG-53)

Ref: (a) Contract N00189-12-D-Z009
(b) INACTSHIPOFF INST 4770.3E

1. In accordance with references (a) and (b), a Declassification Inspection/Survey was conducted to locate and remove all classified material left on board the ex-HAWES (FFG-53).

2. Ex-HAWES (FFG-53) is certified to be free of all classified documents and equipment.

3. The following documents are UNCLASSIFIED and are available for review:

a. Damage Control Book and plates
b. Tank Conversion Tables
c. Booklet of general Plans

J. J. LaPenna

ENCL. (5)

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Ser 113/JS:hh
28 Jul 14

From: Project Manager, Global, NAVSEA Inactive Ships On-Site Maintenance Office, Philadelphia, PA
To: Director, Naval Sea Systems Command, Inactive Ships On-Site Maintenance Office, Philadelphia, PA

Subj: DEMILITARIZATION OF EX-HAWES (FFG-53)

Ref: (a) Contract N00189-12-D-Z009
(b) Demilitarization manual DODM 4160.28-M

1. In accordance with references (a) and (b), demilitarization requirements were completed on the ex-HAWES (FFG-53).

2. The ship's name and hull numbers have been obliterated. All other demilitarization required by reference (b) will be completed during dismantlement at the designated disposal facility.

J. J. LaPenna

Enclosure (6)

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Ser 114/JS:hh
28 Jul 14

From: Project Manager, Global, NAVSEA Inactive Ships On-Site Maintenance Office, Philadelphia, PA
To: Director, Naval Sea Systems Command, Inactive Ships On-Site Maintenance Office, Philadelphia, PA

Subj: CONDITION OF SALE ITEMS EX-HAWES (FFG-53)

Ref: (a) Contract N00189-12-D-Z009
(b) INACTSHIPOFF INST 4770.3E

1. There are no Condition of Sale Items.

for
J. J. LaPenna

Enclosure (7)

TANK	SYSTEM	SOUNDING TUBE LOCATION	SOUNDING FEET / INCHES	CONTENTS	APPROX GALLONS CONVERSION CHART	100% CAP	DATE SOUNDED
5-56-0-F	FUEL OIL STORAGE	HAZMAT P-WAY	0		0	4,691	12/8/2010
5-64-0-F	FUEL OIL STORAGE	CSMC P-WAY	9/9	Seawater	13,190	13,301	12/8/2010
5-84-1-F	FUEL OIL STORAGE	CSMC P-WAY	0		0	17,831	12/8/2010
5-84-2-F	FUEL OIL STORAGE	CSMC P-WAY	0		0	17,831	12/8/2010
5-100-3-F	FUEL OIL STORAGE	2-100-01-L	16/2	Seawater	10,620	10,343	12/8/2010
5-100-4-F	FUEL OIL STORAGE	2-100-01-L	16/7	Seawater	10,810	10,343	12/8/2010
5-116-1-F	FUEL OIL STORAGE	2-100-01-L	0		0	21,150	12/8/2010
5-116-2-F	FUEL OIL STORAGE	2-100-01-L	0		0	21,150	12/8/2010
5-140-1-F	FUEL OIL STORAGE	2-168-1-L	5/5	Seawater	9,635	9,153	12/8/2010
5-140-2-F	FUEL OIL STORAGE	2-168-1-L	5/5	Seawater	9,635	9,153	12/8/2010
5-164-2-F	FUEL OIL STORAGE	2-168-2-L	0		0	3,207	12/8/2010
5-164-3-F	FUEL OIL STORAGE	2-168-1-L	0		0	3,175	12/8/2010
5-250-1-F	FUEL OIL STORAGE	1-212-0-L	6/2	Seawater	11,280	10,819	12/8/2010
5-250-2-F	FUEL OIL STORAGE	1-212-0-L	6/5	Seawater	10,526	10,819	12/8/2010
5-132-0-F (COST)	FUEL OIL STORAGE	2-100-01-L	0		0	6,286	12/8/2010
5-292-2-W	PW	5-292-0-E	0		0	2,346	12/8/2010
5-308-2-W	PW	5-292-0-E	4/4	Seawater	1809	2,123	12/8/2010
5-292-3-W	PW	5-292-0-E	0		0	2,346	12/8/2010
5-308-1-W	PW	5-292-0-E	3/6	Seawater	1583	2,123	12/8/2010
5-328-2-W BLST	OILY WASTE/BALLAST	2-328-2-L	4/9	Seawater	4927	5136	12/8/2010
5-328-1-W BLST	OILY WASTE/BALLAST	FLIGHT DECK	7/6	Seawater	5131	5136	12/8/2010
5-32-0-W C/B	OILY WASTE/BALLAST	HAZMAT P-WAY	0		0	8387	12/8/2010
5-116-0-WC/B	OILY WASTE/BALLAST	2-100-01-L	0		0	14023	12/8/2010
5-164-0-F OWWHT	OILY WASTE/BALLAST	4-160-0-Q	0		0	2220	12/8/2010
5-170-0-F WORT	OILY WASTE/BALLAST	4-160-0-Q	0		0	4271	12/8/2010
5-192-2-F AUX I	OILY WASTE/BALLAST	5-180-0-E	0		0	178	12/8/2010
5-222-1-F AUX II	OILY WASTE/BALLAST	5-212-0-E	0		0	404	12/8/2010
5-290-2-F MER	OILY WASTE/BALLAST	5-250-0-E	0		0	106	12/8/2010
5-321-1-F AUX III	OILY WASTE/BALLAST	5-292-0-E	0		0	206	12/8/2010
5-204-1-F	FO SERVICE	MESSLINE P-WAY	0		0	14,963	12/8/2010
5-204-2-F	FO SERVICE	SCULLERY P-WAY	0		0	14,963	12/8/2010
2-276-2-JP5 EM	FO SERVICE	1-278-2-Q	0		0	342	12/8/2010
1A 5-201-1-F	FO SERVICE	2-180-0-Q	0		0	343	12/8/2010
1B 5-201-3-F	FO SERVICE	2-180-0-Q	0		0	427	12/8/2010
2/3 3-240-2-F	FO SERVICE	HORSESHOE PWAY	0		0	817	12/8/2010
2/3 3-240-1-F	FO SERVICE	HORSESHOE PWAY	0		0	817	12/8/2010
4A 3-292-4-F	FO SERVICE	1-278-2-Q	0		0	385	12/8/2010
4B 3-292-6-F	FO SERVICE	1-278-2-Q	0		0	401	12/8/2010
5-328-0-J	JP-5	2-328-2-L		Seawater	9,162	8,692	12/8/2010
5-344-0-J	JP-5	2-328-2-L		Seawater	9,299	9,834	12/8/2010
3-316-1-J	JP-5	1-278-1-Q	0		0	1,264	12/8/2010
3-322-1-J	JP-5	1-278-1-Q	0		0	1,207	12/8/2010
3-272-2-L (2190)	LUBE OIL	1-278-2-Q	0		0	1,027	12/8/2010
3-278-2-L (2190)	LUBE OIL	1-278-2-Q	0		0	1,171	12/8/2010
3-286-2-L (2190)	LUBE OIL	1-278-2-Q	0		0	802	12/8/2010
3-278-1-L (2190)	LUBE OIL	1-278-2-Q	0		0	1,052	12/8/2010
3-286-1-L (2190)	LUBE OIL	1-278-2-Q	0		0	710	12/8/2010
23699 Storage	LUBE OIL	1-278-2-Q	0		0	140	12/8/2010
4-208-4 (2104)	LUBE OIL	1-278-2-Q	0		0	278	12/8/2010
3-236-1 (2104)	LUBE OIL	1-278-2-Q	0		0	307	12/8/2010
3-236-2 (2104)	LUBE OIL	1-278-2-Q	0		0	307	12/8/2010
3-292-8 (2104)	LUBE OIL	1-278-2-Q	0		0	267	12/8/2010

ENCL. (8)

GLOBAL

AN OWL COMPANY

10 March 2011

From: Safety Health & Environmental Manager
To: Project Manager

Subject: **ex-HAWES** **MERCURY INVENTORY**

The inventory of all mercury-containing components was performed, Results are as follows: All Fluorescent Lighting Contains MERCURY

Compartment Number	Compartment Name	Qty	Inventory	Status
02-116-1-Q	MK-92 EQUIPMENT ROOM / CAS	2	HEAT SENSOR	NOT REMOVED
01-100-O-L	COMMANDING OFFICER STATEROOM	2	HEAT SENSOR	NOT REMOVED
01-180-O-Q	NAV AIR	3	HEAT SENSOR	NOT REMOVED
01-193-O-Q	STIR	2	HEAT SENSOR	NOT REMOVED
01-215-2-L	EXECUTIVE OFFICER STATEROOM	2	HEAT SENSOR	NOT REMOVED
01-231-O-M	76mm MAG	8	HEAT SENSOR	NOT REMOVED
01-305-O-M	CIWS MAG	2	HEAT SENSOR	NOT REMOVED
1-100-O-Q	RICER	2	HEAT SENSOR	NOT REMOVED
1-132-1-Q	SPS-49 COOLING ROOM	2	HEAT SENSOR	NOT REMOVED
1-140-O-L	OFFICER STATEROOM	2	HEAT SENSOR	NOT REMOVED
1-232-1-M	MK-25 MAG	1	HEAT SENSOR	NOT REMOVED
1-240-1-K	PAINT LOCKER	2	HEAT SENSOR	NOT REMOVED

ENCL. (9)

Compartment Number	Compartment Name	Qty	Inventory	Status
1-156-2-L	SUPPLY OFFICER STATEROOM	2	HEAT SENSOR	NOT REMOVED
1-164-2-L	WEAPONS OFFICER STATEROOM	2	HEAT SENSOR	NOT REMOVED
1-164-1-L	OFFICER STATEROOM	2	HEAT SENSOR	NOT REMOVED
1-171-1-L	ENGINEERING OFFICER STATEROOM	2	HEAT SENSOR	NOT REMOVED
1-172-2-L	OPERTIONS OFFICER STATEROOM	2	HEAT SENSOR	NOT REMOVED
1-180-O-L	WARD ROOM	1	HEAT SENSOR	NOT REMOVED
1-220-O-M	TORPEDO MAG	2	HEAT SENSOR	NOT REMOVED
1-278-2-Q	PORT HELO HANGER	4	HEAT SENSOR	NOT REMOVED
1-278-1-Q	STARBOARD HELO HANGER	4	HEAT SENSOR	NOT REMOVED
1-258-1-Q	400 Hz ROOM	2	HEAT SENSOR	NOT REMOVED
1-255-1-M	SUS MAG	2	HEAT SENSOR	NOT REMOVED
2-32-O-Q	WINDLASS ROOM	2	HEAT SENSOR	NOT REMOVED
4-32-O-Q	SONAR EQUIPMENT ROOM	2	HEAT SENSOR	NOT REMOVED
4-48-1-Q	SONAR COOLING EQUIPMENT ROOM	2	HEAT SENSOR	NOT REMOVED
4-56-O-M	SMALL ARMS MAG	2	HEAT SENSOR	NOT REMOVED
3-32-1-K	FLAMMABLE LIQUID STATEROOM	2	HEAT SENSOR	NOT REMOVED
3-48-2-A	MEDICAL STOREROOM	2	HEAT SENSOR	NOT REMOVED
3-84-O-E	AC MACHINERY ROOM	2	HEAT SENSOR	NOT REMOVED
2-100-O-L	COMBAT SYSTEMS LOUNGE	2	HEAT SENSOR	NOT REMOVED
2-100-01-L	COMBAT SYSTEMS BERTHING	5	HEAT SENSOR	NOT REMOVED

Compartment Number	Compartment Name	Qty	Inventory	Status
3-100-1-l	OPERATIONS BERTHING LOUNGE	2	HEAT SENSOR	NOT REMOVED
3-100-O-l	OPERATIONS BERTHING	5	HEAT SENSOR	NOT REMOVED
4-100-O-E	APM MACHINERY ROOM	2	HEAT SENSOR	NOT REMOVED
2-140-2-Q	RTGR PUP VAULT	1	HEAT SENSOR	NOT REMOVED
2-168-1-L	CPO BERTHING	8	HEAT SENSOR	NOT REMOVED
2-168-2-l	CPO LOUNGE	1	HEAT SENSOR	NOT REMOVED
2-180-2-L	CPO MESS	1	HEAT SENSOR	NOT REMOVED
3-144-O-L	ENGINEERING BERTHING	5	HEAT SENSOR	NOT REMOVED
3-144-O-L	ENGINEERING LOUNGE	2	HEAT SENSOR	NOT REMOVED
4-172-1-E	FIRE PUMP ROOM	2	HEAT SENSOR	NOT REMOVED
4-140-O-Q	LAUNDRY	3	HEAT SENSOR	NOT REMOVED
4-160-O-Q	CHT PUMP ROOM	1	HEAT SENSOR	NOT REMOVED
5-180-O-E	AUXILLIARY MACHINERY #1	2	HEAT SENSOR	NOT REMOVED
3-200-2-E	ELEVATOR MACHINERY ROOM	2	HEAT SENSOR	NOT REMOVED
2-212-O-L	CREW'S MESS	4	HEAT SENSOR	NOT REMOVED
2-238-1-Q	TRASH DISOSAL ROOM	2	HEAT SENSOR	NOT REMOVED
5-212-O-E	AUXILLIARY MACHINERY #2 L/L	4	HEAT SENSOR	NOT REMOVED
5-250-O-E	MAIN ENGIN ROOM U/L	2	HEAT SENSOR	NOT REMOVED

Compartment Number	Compartment Name	Qty	Inventory	Status
5-292-O-E	AUXILLIARY MACHINERY ROOM #3	4	HEAT SENSOR	NOT REMOVED
2-292-01-C	CCS	2	HEAT SENSOR	NOT REMOVED
2-316-2-Q	ELECTRICAL SHOP	1	HEAT SENSOR	NOT REMOVED
2-355-2-K	GAS CYLINDER STOREROOM	2	HEAT SENSOR	NOT REMOVED
2-376-2-A	MEDICAL STOREROOM #2	2	HEAT SENSOR	NOT REMOVED
2-383-2-J	HELO REFUELING ROOM	2	HEAT SENSOR	NOT REMOVED
2-388-O-E	RAST MACHINERY ROOM	2	HEAT SENSOR	NOT REMOVED
2-288-2-Q	TACTAS	2	HEAT SENSOR	NOT REMOVED
2-397-1-Q	NIXIE ROOM #2	2	HEAT SENSOR	NOT REMOVED
5-368-01-E	AFTER STEERING PORT/ STARBOARD POCKETS	3	HEAT SENSOR	NOT REMOVED

SURVEYOR: J.King

EHS MANAGER:
John T. Smashey

Copy to: Inspection Department

CONFIDENTIAL PEST CONSULTANTS
SHIP: INSECT & VERMIN INSPECTION

SHIP NAME: EX-HAWES (FFG53)

PEST EVIDENCE FOUND:

FLEAS: YES_____ NO: ✓

FLIES: YES_____ NO: ✓

BED BUGS: YES _____ NO: ✓

MICE: YES _____ NO: ✓

ROACHES: YES _____ NO: ✓

RATS: YES _____ NO: ✓

OTHER:

TECHNICIAN SIGNITURE & LIC. 843388

CUSTOMER SIGNITURE: 7/7/14

ENCL. (10)

GLOBAL

AN OWL COMPANY

18 JAN. 2011

From: Safety Health & Environmental Manager
To: Program Manager

Subject: EX- HAWES (FFG-53) REFRIGERANT RECOVERY & UNITARY SYSTEMS INVENTORY

Ref. (a): NAVSHIPS Tech Manual Chapter 50
(b): MA-496 A

1. Reference (a) and (b) requires refrigerant recovery from Refrigerating Plants and Air Conditioning Systems in accordance with the Clean Air Act Amendment of 1990. The following refrigerant systems are identified aboard ex-HAWES and surveyed on 18 JAN. 2011 . These systems indentified below still contain refrigerants.

** = UNKNOWN

Compartment Number	Compartment Name	Type	Lbs.	System
2-212-O-L	Crew's Mess	404A	4.50 oz.	Silver King Milk Machine
2-212-O-L	Crew's Mess	404A	24 oz.	Wilshire Ice Maker
2-212-O-L	Crew's Mess	404A	24 oz.	Cornelius Ice maker
2-212-O-L	Crew's Mess	**	5.4 oz.	Salad Bar
2-212-O-L	Crew's Mess	**	4.6 oz. 4.5 oz.	Taylor Ice Cream Server
2-212-O-L	Crew's Mess	404A	**	Cospolich Reefer

ENCL. (11)

Compartment Number	Compartment Name	Type	Lbs.	System
2-180-O-Q	Galley	**	**	Cospolich Reefer
2-180-O-Q	Galley	**	**	Cospolich Reefer
2-180-O-Q	Galley	**	**	Cospolich Reefer
2-180-O-Q	Galley	**	**	Cospolich Salad Bar
1-180-O-L	Ward Room	**	**	Wilshire Ice Maker
2-168-2-L	CPO Lounge	**	**	Milk Machine Removed
2-168-2-L	CPO Lounge	**	**	Ice Maker Removed
1-180-O-L	Ward Room	R-12	2 lbs.	Cospolich Salad Bar
1-180-O-L	Ward Room	134A	**	Cospolich Reefer
1-180-O-L	Ward Room	**	**	Wilshire Ice Maker
2-180-2-L	CPO Mess	**	**	Cospolich Reefer
2-180-2-L	CPO Mess	401A	3.75 oz.	Norris Milk Dispenser
5-212-O-E	Auxiliary Machinery Room #2	R-12	**	A/C Plant
5-180-O-E	Auxiliary Machinery Room #1	134A	**	A/C Plant
3-84-O-E	A/C Machinery Room	134A	**	A/C Machinery

	Compartment Name	Type	Lbs.	System

2. Total numbers of items on inventory is. 21

John T. Smashey

Copy to: Inspection Department

ALL AMERICAN AIR
1006 ELMWOOD AVE.
BLACKWOOD, NJ 08012

CONTRACTORS INVOICE

WORK PERFORMED AT:

EX-HAWES
NAVAL SHIP

TO:

GLOBAL
A1 FLAGSHIP COMPANY

DATE	YOUR WORK ORDER NO.	OUR BID NO.
6-12-11	106	

DESCRIPTION OF WORK PERFORMED

Work peformed on the EX-HAWES:

Freon and oils from three (3) main air conditioning systems and two (2) reefer systems, after careful evaluation systems did not produce any freon that was recoverable. However, all oils and oil filters were removed and put in proper containers that were supplied by Global. Systems were oiled dry and cleaned thoroughly

Total cost of job

Charles J Carter
6-21-11

All Material is guaranteed to be as specified, and the above work was performed in accordance with the drawings and specifications provided for the above work and was completed in a substantial workmanlike manner for the agreed sum of _____ Dollars ($_____)

This is a ☐ Partial ☒ Full Invoice due and payable by: 06 (Month) 21 (Day) 2011 (Year)

In accordance with our ☒ Agreement ☐ Proposal No. 06 Dated 12 (Month) 12 (Day) 2011 (Year)

IC3822

CONTRACTORS INVOICE

GLOBAL
A 1st FLAGSHIP COMPANY

NAVSEA Inactive Ships
On-Site Maintenance Office
4701 South 16th Street
Building 545
Philadelphia, PA 19112
o: 215-897-6775
f: 215-897-6098

5500
Ser 111/JL:hh
22 Jul 14

From: Project Manager, Global, NAVSEA Inactive Ships On-Site Maintenance Office, Philadelphia, PA
To: Director, Naval Sea Systems Command, Inactive Ships On-Site Maintenance Office, Philadelphia, PA

Subj: EQUIPMENT CONTAINING HYDRAULIC FLUID ON EX-HAWES (FFG-53)

Ref: (a) Contract N00189-12-D-Z009
(b) INACTSHIPOFF INST 4770.3E

Encl: (1) List of Equipment Remediation

1. The following items will still contain hydraulic oil:

   a. Steering gear unit
   b. Steering gear oil tank
   c. Anchor Windlass

2. Enclosure (1) lists equipment that has been remediated.

3. Ex-HAWES (FFG-53) did not contain FRYQUEL hydraulic fluid.

J. J. LaPenna

ITEM #	EQUIPMENT TYPE	SPACE #	COMPL	S/F	SUP	QA	COR	REMARKS
	ENGINE ROOM							
1	GTE 1A & 1B	5-250-0-E	12/4/2010	12/4/2010	GUINN	12/4/2010	12/4/2010	
2	LUBE OIL SERVICE PUMP CASINGS	5-250-0-E	12/4/2010	12/4/2010	GUINN	12/4/2010	12/4/2010	
3	LUBE OIL SERVICE PUMPS 1A & 1B	5-250-0-E	12/4/2010	12/4/2010	GUINN	12/4/2010	12/4/2010	
4	MRG SUMP	5-250-0-E	12/4/2010	12/4/2010	GUINN	12/4/2010	12/4/2010	
5	LUBE OIL COAST DOWN PUMP	5-250-0-E	12/4/2010	12/4/2010	GUINN	12/4/2010	12/4/2010	
6	MRG LUBE OIL COOLER	5-250-0-E	12/4/2010	12/4/2010	GUINN	12/4/2010	12/4/2010	
7	JP-5 EMERGENCY HEAD TANK	5-250-0-E	12/4/2010	12/4/2010	GUINN	12/4/2010	12/4/2010	
	AUX #3							
8	SSDG DIESEL OIL SUMP	5-292-0-E	12/4/2010	12/4/2010	GUINN	12/4/2010	12/4/2010	
9	SSDG LUBE OIL STORAGE TANK AFTER COOLER	5-292-0-E	12/4/2010	12/4/2010	GUINN	12/4/2010	12/4/2010	
10	SSDG STORAGE TANK COOLER	5-292-0-E	12/4/2010	12/4/2010	GUINN	12/4/2010	12/4/2010	
11	SSDG COOLING COIL	5-292-0-E	12/4/2010	12/4/2010	GUINN	12/4/2010	12/4/2010	
12	SSDG DUPLEX STRAINER	5-292-0-E	12/4/2010	12/4/2010	GUINN	12/4/2010	12/4/2010	
13	SSDG HEAT EXCHANGER PUMP	5-292-0-E	12/4/2010	12/4/2010	GUINN	12/4/2010	12/4/2010	
14	LPAC #2	5-292-0-E	12/4/2010	12/4/2010	GUINN	12/4/2010	12/4/2010	
15	LPAC COMPRESSOR SUMP	5-292-0-E	12/4/2010	12/4/2010	GUINN	12/4/2010	12/4/2010	
16	LPAC HEAT EXCHANGER	5-292-0-E	12/4/2010	12/4/2010	GUINN	12/4/2010	12/4/2010	
17	LPAC SEPERATOR HANDLING TANK	5-292-0-E	12/4/2010	12/4/2010	GUINN	12/4/2010	12/4/2010	
19	LPAC DUPLEX STRAINER	5-292-0-E	12/4/2010	12/4/2010	GUINN	12/4/2010	12/4/2010	
20	BROMINATOR RECIRD PUMP #1, #2	5-292-0-E	12/4/2010	12/4/2010	GUINN	12/4/2010	12/4/2010	

ITEM #	EQUIPMENT TYPE	SPACE #	COMPL	S/F	SUP	QA	COR	REMARKS
21	REVERSE OSMOSIS #1, #2	5-292-0-E	12/4/2010	12/4/2010	GUINN	12/4/2010	12/4/2010	
22	REVERSE OSMOSIS HP PUMP	5-292-0-E	12/4/2010	12/4/2010	GUINN	12/4/2010	12/4/2010	
23	EMERGENCY DIESEL #5 PIPING	5-292-0-E	12/4/2010	12/4/2010	GUINN	12/4/2010	12/4/2010	
24	JP-5 SERVICE TRANSFER / STRIPPING PUMP	5-292-0-E	12/4/2010	12/4/2010	GUINN	12/4/2010	12/4/2010	
25	JP-5 COALEASER #1, #2	5-292-0-E	12/4/2010	12/4/2010	GUINN	12/4/2010	12/4/2010	
26	LSB SUMP	5-292-0-E	12/4/2010	12/4/2010	GUINN	12/4/2010	12/4/2010	
	AUX #2							
27	SSDG #2, #3	5-212-0-E	12/4/2010	12/4/2010	GUINN	12/4/2010	12/4/2010	
28	LUBE OIL SUMP / STORAGE TANK	5-212-0-E	12/4/2010	12/4/2010	GUINN	12/4/2010	12/4/2010	
29	AFTER COOLER TANK / NALCOOL STORAGE TANK	5-212-0-E	12/4/2010	12/4/2010	GUINN	12/4/2010	12/4/2010	
30	WASTE HEAT EXCHANGERS	5-212-0-E	12/4/2010	12/4/2010	GUINN	12/4/2010	12/4/2010	
31	A/C COMPRESSORS #2, #3	5-212-0-E	12/4/2010	12/4/2010	GUINN	12/4/2010	12/4/2010	
32	LPAC COMPRESSOR #1	5-212-0-E	12/4/2010	12/4/2010	GUINN	12/4/2010	12/4/2010	
33	LPAC SEPERATOR HOLDING TANK #1	5-212-0-E	12/4/2010	12/4/2010	GUINN	12/4/2010	12/4/2010	
34	LPAC EXCHANGER #1	5-212-0-E	12/4/2010	12/4/2010	GUINN	12/4/2010	12/4/2010	
35	LPAC DUPLEX STRAINER #1	5-212-0-E	12/4/2010	12/4/2010	GUINN	12/4/2010	12/4/2010	
36	GENERATOR COOLING COIL TANK #2, #3	5-212-0-E	12/4/2010	12/4/2010	GUINN	12/4/2010	12/4/2010	
37	FUEL OIL SERVICE PUMP #1A, #1B	5-212-0-E	12/4/2010	12/4/2010	GUINN	12/4/2010	12/4/2010	
38	STRIPPING PUMP	5-212-0-E	12/4/2010	12/4/2010	GUINN	12/4/2010	12/4/2010	
39	AUX FUEL OIL PUMP	5-212-0-E	12/4/2010	12/4/2010	GUINN	12/4/2010	12/4/2010	
40	FUEL OIL TRANSFER PUMP #1, #2	5-212-0-E	12/4/2010	12/4/2010	GUINN	12/4/2010	12/4/2010	

ITEM #	EQUIPMENT TYPE	SPACE #	COMPL	S/F	SUP	QA	COR	REMARKS
41	FUEL OIL PURIFIER #1, #2	5-212-0-E	12/4/2010	12/4/2010	GUINN	12/4/2010	12/4/2010	
42	FUEL OIL SEPERATOR #1A, #1B	5-212-0-E	12/4/2010	12/4/2010	GUINN	12/4/2010	12/4/2010	
43	SSDG DUPLEX STRAINER #2, #3	5-212-0-E	12/4/2010	12/4/2010	GUINN	12/4/2010	12/4/2010	
	AUX #1							
44	PORT FIN STABILIZER SERVICE / STORAGE TANK	5-180-0-E	12/4/2010	12/4/2010	GUINN	12/4/2010	12/4/2010	
45	PORT FIN STABILIZER OIL SUMP	5-180-0-E	12/4/2010	12/4/2010	GUINN	12/4/2010	12/4/2010	
46	WASTE HEAT EXCHANGERS	5-180-0-E	12/4/2010	12/4/2010	GUINN	12/4/2010	12/4/2010	
47	WASTE HEAT PUMP #1	5-180-0-E	12/4/2010	12/4/2010	GUINN	12/4/2010	12/4/2010	
48	REEFER COMPRESSORS #1, #2	5-180-0-E	12/4/2010	12/4/2010	GUINN	12/4/2010	12/4/2010	
49	REEFER CONDENSORS #1, #2	5-180-0-E	12/4/2010	12/4/2010	GUINN	12/4/2010	12/4/2010	
50	REEFER RECEIVERS #1, #2	5-180-0-E	12/4/2010	12/4/2010	GUINN	12/4/2010	12/4/2010	
51	SSDG LUBE OIL STORAGE TANK #1	5-180-0-E	12/4/2010	12/4/2010	GUINN	12/4/2010	12/4/2010	
52	SSDG EDUCTOR PIPING #2	5-180-0-E	12/4/2010	12/4/2010	GUINN	12/4/2010	12/4/2010	
53	COIL COOLING TANK #1	5-180-0-E	12/4/2010	12/4/2010	GUINN	12/4/2010	12/4/2010	
54	STBD FIN STABILIZER SERVICE / STORAGE TANK	5-180-0-E	12/4/2010	12/4/2010	GUINN	12/4/2010	12/4/2010	
55	STBD FIN STABILIZER OIL SUMP	5-180-0-E	12/4/2010	12/4/2010	GUINN	12/4/2010	12/4/2010	
56	SSDG LUBE OIL SUMP #1	5-180-0-E	12/4/2010	12/4/2010	GUINN	12/4/2010	12/4/2010	
	TACTAS							
57	WINCH DRAINS PORT / STBD	2-368-2-Q	12/4/2010	12/4/2010	GUINN	12/4/2010	12/4/2010	
58	LUBE OIL STORAGE TANK	2-368-2-Q	12/4/2010	12/4/2010	GUINN	12/4/2010	12/4/2010	
59	#8 EDUCTOR PIPING, BILGE PUMP, PRIMING TANK	2-368-2-Q	12/4/2010	12/4/2010	GUINN	12/4/2010	12/4/2010	

ITEM #	EQUIPMENT TYPE	SPACE #	COMPL	S/F	SUP	QA	COR	REMARKS
	AFT STEERING							
60	LUBE OIL STORAGE TANK	5-368-01-E	12/4/2010	12/4/2010	GUINN	12/4/2010	12/4/2010	
	GMLS							
61	GMLS LAUNCHER EQUIPMENT	3-64-0-M	12/4/2010	12/4/2010	GUINN	12/4/2010	12/4/2010	
	76 MM GUN							
62	76 MM GUN EQUIPMENT	3-64-0-M	12/4/2010	12/4/2010	GUINN	12/4/2010	12/4/2010	
	BOAT PLATFORM							
63	BOAT DAVIT	01-175-2-WD	12/4/2010	12/4/2010	GUINN	12/4/2010	12/4/2010	
	RAST MACHINERY ROOM							
64	RAST MACHINERY	2-368-0-Q	12/4/2010	12/4/2010	GUINN	12/4/2010	12/4/2010	
	TOTAL ITEMS:	**64**						
	GLOBAL ACCEPTED:	**64**	**100%**					
	COR ACCEPTED:	**64**	**100%**					

USS HAWES

EMPTIED HYDRAULIC SYSTEMS

The location of drained hydraulic systems are as follows:

		SPACE	EQUIPMENT	# IN SPACE	OIL TYPE
1.	2-368-0-Q	RAST MACHINERY	RAST	1	2190
2.	2-140-0-0-L	REEFER DECK	PORT AND STBD FIN HEAD TANKS	2	2110
3.	5-180-0-E	AUX I	PORT FIN, STBD FIN	2	2110
4.	2-390-1-A	AV STOREROOM	AFT CAPSTAN	1	80 GO 90
5.	01-212-5	BOAT DECK	BOAT DAVIT	2	80 GO 90
6.	3-200-2-E	ELEVATOR MACH RM	ELEVATOR GEARBOXES	2	80 GO 90
7.	5-292-0-E	AUX III	NR 1 AND NR 2 R.O.	2	2190

DEPARTMENT OF THE NAVY
NAVSEA INACTIVE SHIPS ON-SITE MAINTENANCE OFFICE
4701 S. 16TH STREET, BUILDING 545
NAVAL BUSINESS CENTER
PHILADELPHIA, PA 19112-5095

IN REPLY REFER TO:

4770
Ser N31/023
16 Jul 14

From: Director, Naval Sea Systems Command, Inactive Ships On-Site Maintenance Office, Philadelphia, PA
To: Director, Naval Sea Systems Command, Inactive Ships Management Office, Portsmouth, VA

Subj: FINAL WALK-THROUGH INSPECTION OF EX-HAWES (FFG 53)

Ref: (a) OPNAVINST 4770.5H
(b) INACTSHIPOFFINST 4770.3E
(c) NAVSEA INACTSHIPOFF Disposal Tasking ltr (4770) Ser N32/051 of 12 July 12

Encl: (1) Inventory of Industrial Plant Equipment (IPE) and other equipment and material of value remaining onboard Ex- HAWES (FFG 53) as of 15 July 14.

A Final Walk-Through Inspection of the subject vessel was conducted by Anthony Pappero on 15 July 2014 in accordance with references (a), (b), and (c). All disposal procedures and stripping requirements have been completed in accordance with applicable instructions and guidelines, and all material of value has been removed from the vessel with the exception of the items listed in enclosure (1).

THOMAS DEEGAN

INVENTORY OF INDUSTRIAL PLANT EQUIPMENT (IPE) AND OTHER EQUIPMENT AND MATERIAL OF VALUE REMAINING ONBOARD EX-BOULDER (LST 1190) AS OF 15 July 2014.

A. INDUSTRIAL PLANT EQUIPMENT (IPE)

	ITEM	CONDITION	LOCATION
1.	Lathe (Standard-Modern)	Fair	2-292-2-Q
2.	Milling/Drill Press (Jet Equipment & Tools)	Fair	2-292-2-Q

B. OTHER EQUIPMENT AND MATERIAL

	ITEM	CONDITION	LOCATION
1.	None		

GLOBAL
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NAVSEA Inactive Ships
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4701 South 16th Street
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5500
Ser 115/JS:hh
28 Jul 14

From: Project Manager, Global, NAVSEA Inactive Ships On-Site Maintenance Office, Philadelphia, PA
To: Director, Naval Sea Systems Command, Inactive Ships On-Site Maintenance Office, Philadelphia, PA

Subj: LIST OF EQUIPMENT NOT INCLUDED IN SALE EX-HAWES (FFG-53)

Ref: (a) Contract N00189-12-D-Z009
(b) INACTSHIPOFF INST 4770.3E

1. The following equipment is NOT INCLUDED in the sale of ex-HAWES (FFG-53):

a. Ships Brow
b. Shore Power Cables and Viking Plugs

J. J. LaPenna

Enclosure (14)

PORT FWD

ENCL (15)

PORT AFT

PORT SIDE

AFT END